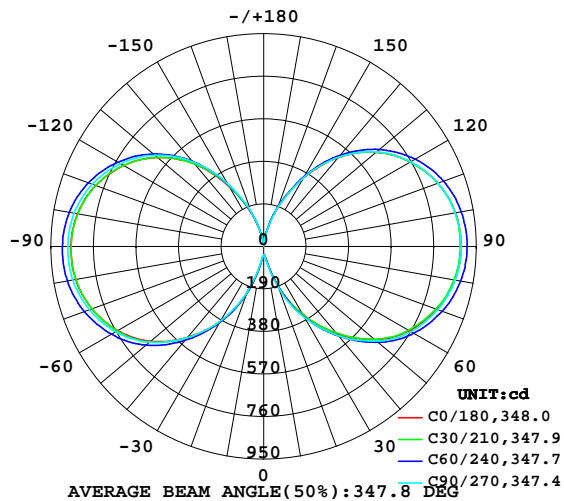


**LUMINAIRE PHOTOMETRIC TEST REPORT**

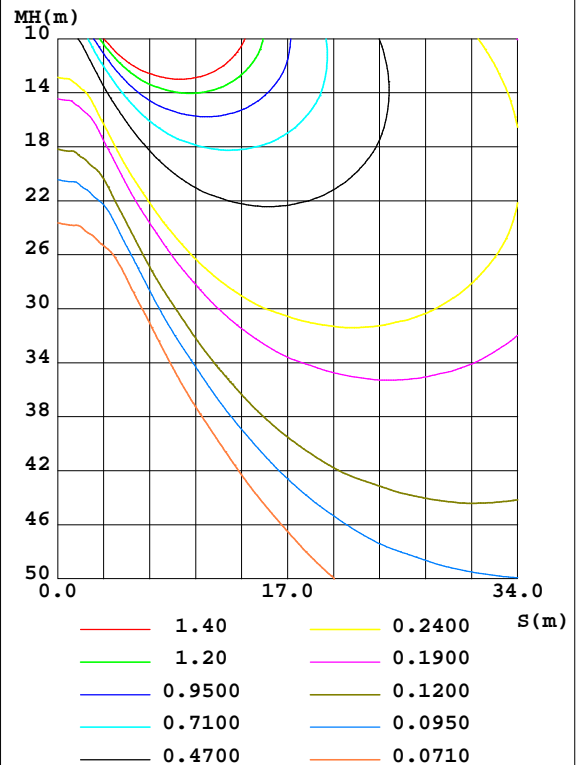
Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.46 lm/W			
MODEL	OB200c-50W-5700K	Imax(cd)	908.9	S/MH(C0/180)	6.08
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	6.08
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8302.6	$\eta$ UP,DN(C0-180)	24.9,25.1
NOMINAL FLUX(lm)	8302.62	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	24.6,25.4
LAMPS INSIDE	1	$\eta$ up(%)	49.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220	$\eta$ down(%)	50.5	CIBSE SHR MAX	1.55

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**C0 PLANE ISOLUX DIAGRAM (UNIT:lx)**



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	54.72	55.05	57.00	64.43	70.81	73.53	67.93	61.12	0- 10	4.708	4.708	0.06,0.06
20	183.9	186.0	196.8	204.9	221.6	228.5	215.9	202.8	10- 20	37.90	42.61	0.51,0.51
30	351.0	357.0	366.7	365.0	384.4	400.2	382.1	367.1	20- 30	136.8	179.4	2.16,2.16
40	507.2	510.5	520.9	514.1	530.5	547.8	532.9	517.2	30- 40	283.9	463.3	5.58,5.58
50	646.9	647.9	657.5	648.3	659.8	682.7	666.1	655.5	40- 50	460.4	923.7	11.1,11.1
60	752.4	750.6	760.2	743.1	753.2	777.1	762.9	753.5	50- 60	639.1	1563	18.8,18.8
70	823.2	821.6	827.6	811.3	816.3	838.0	827.7	824.0	60- 70	787.0	2350	28.3,28.3
80	866.0	863.8	868.1	852.4	852.5	874.5	865.7	866.6	70- 80	895.5	3245	39.1,39.1
90	881.4	878.8	881.5	860.8	861.9	882.2	874.5	875.7	80- 90	950.7	4196	50.5,50.5
100	869.9	866.9	868.1	849.0	844.8	864.0	859.8	865.3	90-100	948.9	5145	62,62
110	827.9	827.7	827.7	804.3	798.1	817.3	815.2	821.7	100-110	890.5	6036	72.7,72.7
120	756.1	758.6	757.9	727.9	723.2	743.5	739.7	744.4	110-120	777.5	6813	82.1,82.1
130	654.9	658.7	658.1	626.7	619.4	637.4	634.8	643.0	120-130	624.8	7438	89.6,89.6
140	519.1	524.1	521.0	486.9	481.4	491.9	493.9	506.6	130-140	446.9	7885	95,95
150	352.2	358.5	354.3	319.9	308.5	318.4	324.7	340.9	140-150	266.1	8151	98.2,98.2
160	182.8	190.2	186.8	165.7	153.8	155.6	163.9	177.9	150-160	117.9	8269	99.6,99.6
170	53.89	56.90	52.81	43.58	38.60	37.30	40.53	48.40	160-170	31.39	8300	100,100
180	10.64	10.50	10.48	10.53	10.64	10.50	10.48	10.53	170-180	2.467	8303	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**Conical surface Flux(90deg): 670.28 lm**

**%lum = 8.1%**

**%lamp = 8.1%**

**Conical surface Flux(120deg): 1562.8 lm**

**%lum = 18.8%**

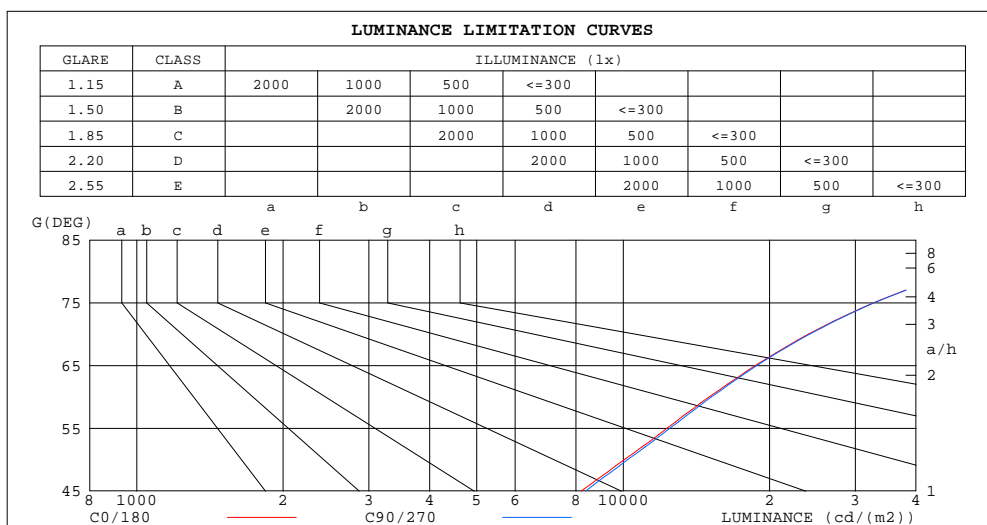
**%lamp = 18.8%**

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**LUMINANCE LIMITATION CURVES**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	100718	100794
80	49874	49991
75	32762	32878
70	24069	24199
65	18713	18841
60	15047	15204
55	12308	12493
50	10063	10228
45	8193	8370

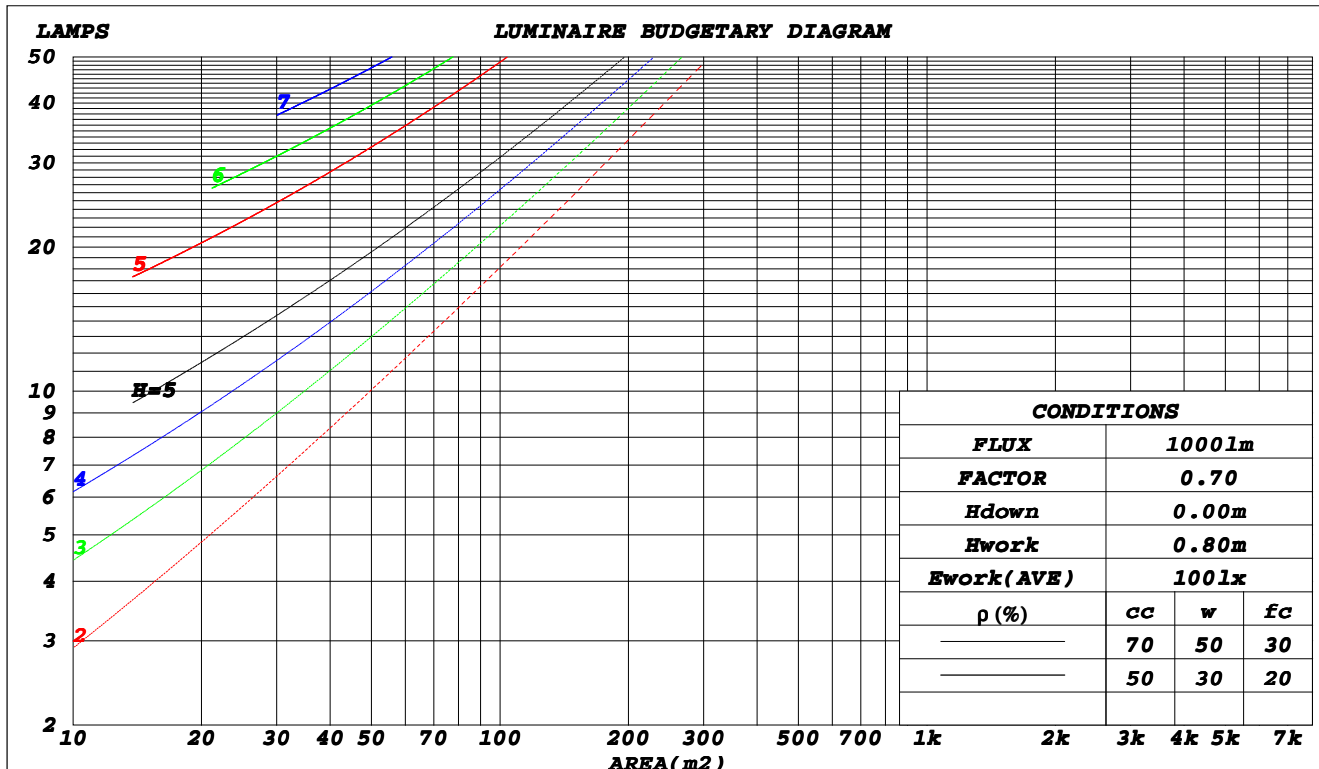
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilisation(CU)									
0.0	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.85	.79	.73	.78	.72	.68	.64	.60	.56	.52	.49	.46	.41	.38	.36	.30
2.0	.71	.62	.55	.65	.57	.51	.53	.47	.42	.42	.38	.34	.32	.29	.26	.21
3.0	.60	.51	.43	.55	.47	.40	.45	.38	.33	.36	.30	.26	.27	.23	.19	.15
4.0	.52	.42	.35	.48	.39	.32	.39	.32	.26	.30	.25	.21	.23	.19	.15	.11
5.0	.46	.36	.29	.42	.33	.26	.34	.27	.21	.27	.21	.17	.20	.16	.12	.09
6.0	.40	.31	.24	.37	.28	.22	.30	.23	.18	.24	.18	.14	.18	.13	.10	.07
7.0	.36	.27	.20	.33	.25	.19	.27	.20	.15	.21	.16	.12	.16	.12	.08	.05
8.0	.32	.24	.17	.29	.22	.16	.24	.18	.13	.19	.14	.10	.14	.10	.07	.04
9.0	.29	.21	.15	.27	.19	.14	.22	.16	.11	.17	.12	.09	.13	.09	.06	.04
10.0	.27	.19	.13	.24	.17	.12	.20	.14	.10	.16	.11	.08	.12	.08	.05	.03



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ARK  
Test Date:09 January 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: OB200c-50W-5700K\_20200109

**WEC AND CCEC**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.442	.252	.080	.420	.240	.076	.378	.217	.069	.340	.196	.063	.304	.176	.057		
2.0	.364	.199	.061	.343	.189	.058	.305	.170	.053	.270	.151	.047	.237	.134	.042		
3.0	.314	.167	.050	.296	.158	.048	.261	.141	.043	.228	.125	.038	.198	.110	.034		
4.0	.278	.144	.042	.261	.136	.040	.229	.121	.036	.199	.107	.032	.171	.093	.028		
5.0	.249	.127	.037	.234	.120	.035	.204	.106	.031	.177	.093	.028	.151	.081	.024		
6.0	.226	.113	.032	.212	.107	.031	.185	.095	.028	.159	.083	.024	.135	.071	.021		
7.0	.207	.102	.029	.194	.097	.028	.169	.085	.025	.145	.074	.022	.123	.064	.019		
8.0	.191	.093	.026	.179	.088	.025	.155	.078	.022	.133	.067	.019	.112	.058	.017		
9.0	.177	.086	.024	.166	.081	.023	.144	.071	.020	.123	.062	.018	.104	.053	.015		
10.0	.165	.079	.022	.154	.075	.021	.134	.066	.018	.115	.057	.016	.096	.048	.014		

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.567	.567	.567	.485	.485	.485	.331	.331	.331	.190	.190	.190	.061	.061	.061		
1.0	.569	.535	.504	.487	.459	.434	.333	.316	.300	.192	.183	.174	.061	.059	.056		
2.0	.564	.514	.472	.483	.443	.408	.331	.306	.284	.191	.178	.167	.061	.058	.054		
3.0	.558	.499	.453	.478	.431	.392	.328	.299	.275	.190	.175	.162	.061	.057	.053		
4.0	.550	.488	.440	.472	.422	.382	.325	.294	.269	.188	.172	.159	.060	.056	.052		
5.0	.543	.479	.432	.466	.414	.376	.321	.290	.265	.186	.170	.157	.060	.055	.052		
6.0	.535	.472	.426	.460	.409	.371	.317	.286	.263	.184	.168	.156	.059	.055	.052		
7.0	.528	.466	.422	.454	.404	.368	.314	.283	.260	.182	.167	.155	.059	.055	.051		
8.0	.522	.461	.419	.449	.399	.365	.311	.280	.259	.181	.165	.154	.058	.054	.051		
9.0	.515	.456	.416	.444	.396	.363	.308	.278	.258	.179	.164	.154	.058	.054	.051		
10.0	.510	.452	.414	.439	.393	.361	.305	.276	.257	.178	.163	.153	.058	.054	.051		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ARK  
Test Date:09 January 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: OB200c-50W-5700K\_20200109

**UGR(Unified Glare Rating) Table**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm										
NAME: OB200c-50W-5700K_20200109					TYPE:LED			WEIGHT:		
SPEC.:OB200c-50W-5700K_20200109					DIM.:			SERIAL No.:1		
MFR.: ICEPIPE					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.7	19.8	19.5	20.7	21.9	18.9	20.0	19.7	20.9	22.1
3H	22.4	23.4	23.2	24.3	25.5	22.5	23.6	23.4	24.5	25.7
4H	24.4	25.4	25.3	26.3	27.5	24.5	25.5	25.4	26.5	27.7
6H	26.6	27.5	27.5	28.5	29.7	26.7	27.7	27.6	28.6	29.8
8H	27.8	28.7	28.8	29.7	30.9	27.9	28.8	28.9	29.8	31.0
12H	29.2	30.1	30.2	31.0	32.3	29.3	30.2	30.2	31.1	32.4
4H 2H	19.9	20.8	20.8	21.8	23.0	20.0	21.0	20.9	21.9	23.1
3H	23.6	24.4	24.5	25.4	26.6	23.7	24.6	24.7	25.5	26.8
4H	25.7	26.5	26.6	27.5	28.7	25.9	26.6	26.8	27.6	28.9
6H	28.0	28.7	29.0	29.7	31.0	28.2	28.9	29.1	29.9	31.2
8H	29.3	30.0	30.3	31.0	32.3	29.5	30.1	30.4	31.1	32.4
12H	30.8	31.4	31.8	32.4	33.7	30.9	31.5	31.9	32.5	33.9
8H 4H	26.5	27.1	27.5	28.1	29.4	26.6	27.3	27.6	28.3	29.6
6H	29.1	29.6	30.1	30.6	32.0	29.2	29.8	30.2	30.8	32.1
8H	30.5	31.0	31.5	32.1	33.4	30.7	31.2	31.7	32.2	33.6
12H	32.2	32.7	33.2	33.7	35.0	32.3	32.8	33.4	33.8	35.2
12H 4H	26.7	27.3	27.7	28.3	29.7	26.8	27.4	27.8	28.4	29.7
6H	29.4	29.9	30.4	30.9	32.3	29.5	30.0	30.5	31.1	32.4
8H	31.0	31.4	32.0	32.5	33.8	31.1	31.6	32.1	32.6	34.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 8303 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.4)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ARK  
Test Date:09 January 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.100m [K=1.0000]  
Remarks: OB200c-50W-5700K\_20200109

**UTILIZATION FACTORS TABLE**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

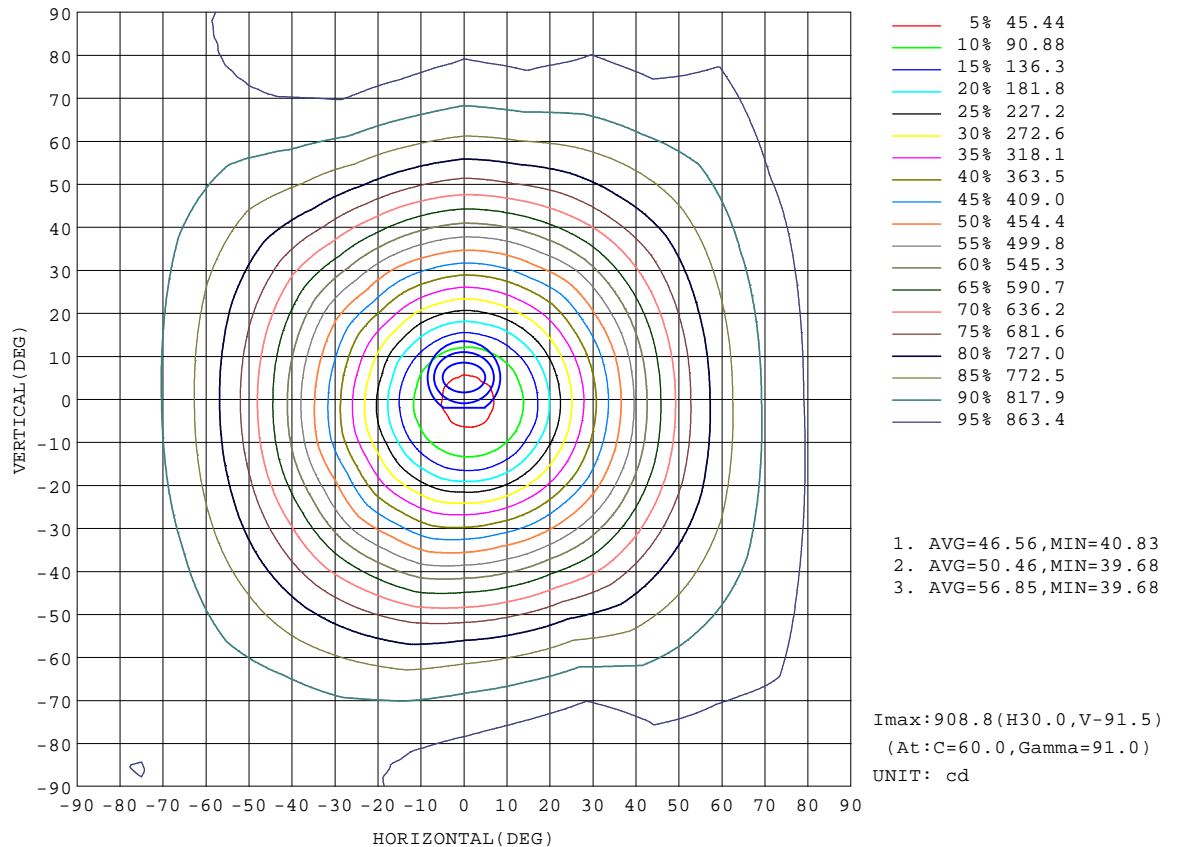
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	33	20	13	31	19	12	28	17	11	4
0.80	42	27	18	39	26	17	34	23	16	6
1.00	49	34	24	46	32	23	39	30	20	9
1.25	56	41	31	52	38	29	44	33	25	12
1.50	61	46	36	57	43	34	48	38	30	14
2.00	69	55	45	64	51	42	54	44	37	18
2.50	74	62	52	69	57	48	58	49	42	22
3.00	79	67	57	73	62	53	61	53	46	24
4.00	84	74	65	78	68	61	65	58	52	28
5.00	88	79	71	81	73	66	68	62	56	31
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**ISOCANDELA DIAGRAM**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



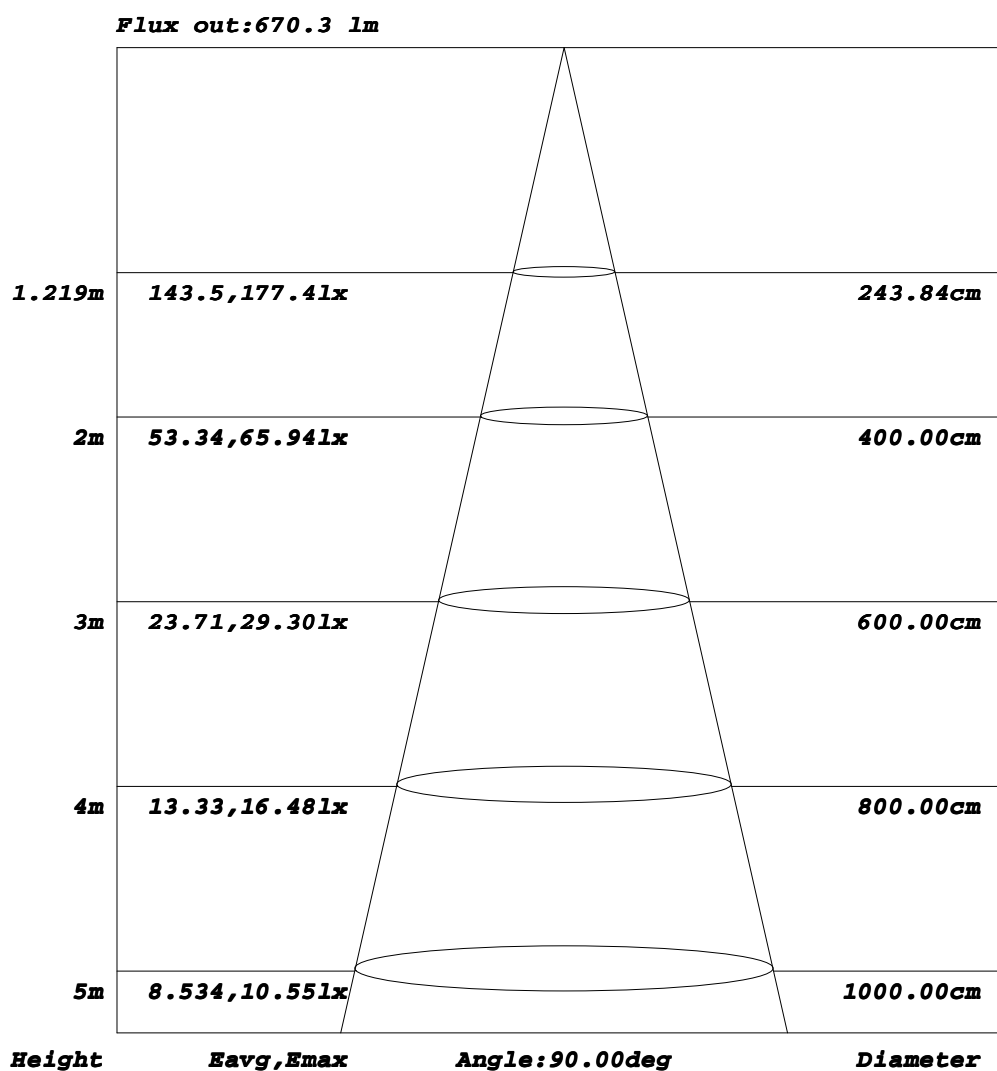
**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: ARK**  
**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**



**AAI Figure**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



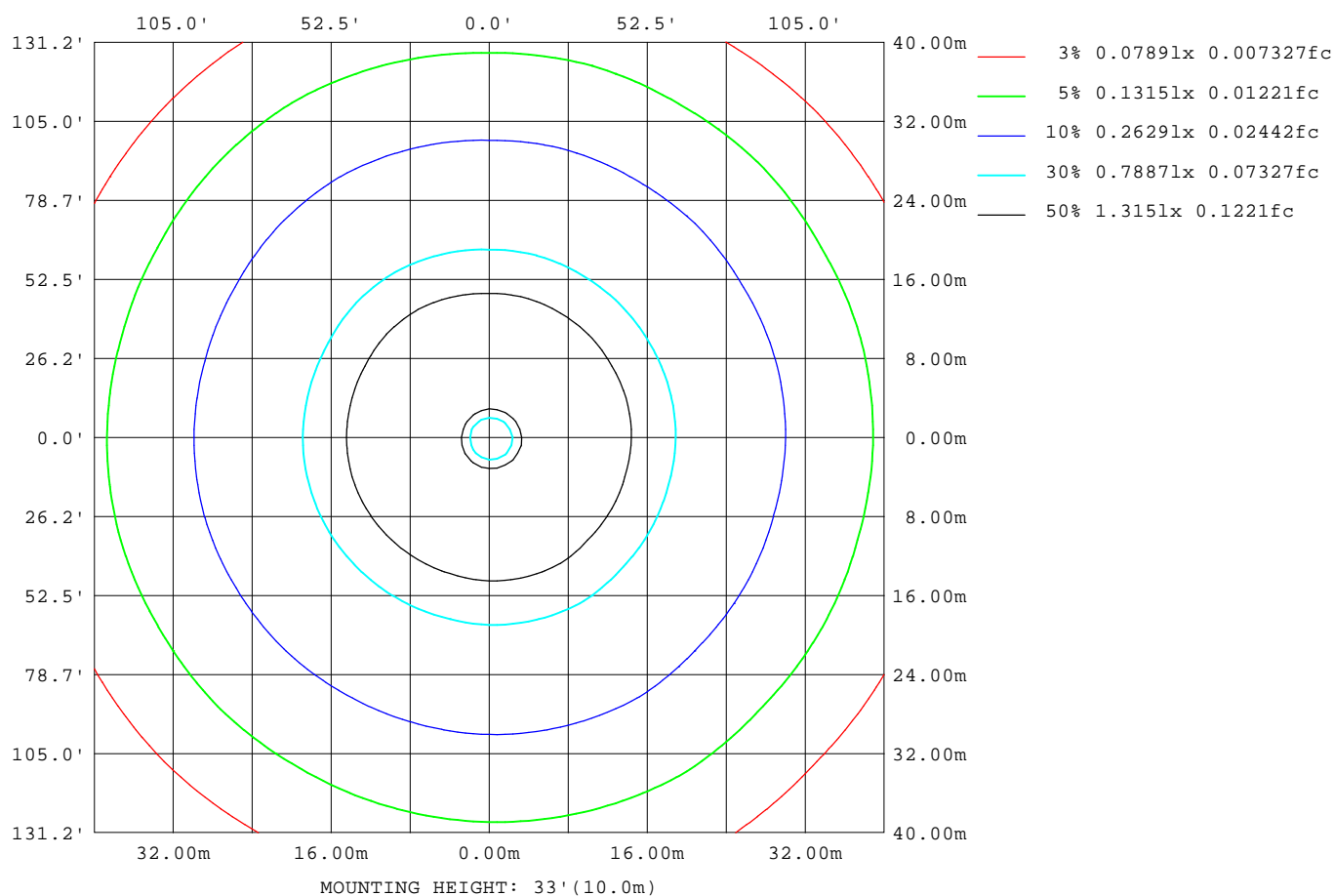
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: ARK**  
**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**ISOLUX DIAGRAM**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: ARK**  
**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**LED Avg.L Report**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

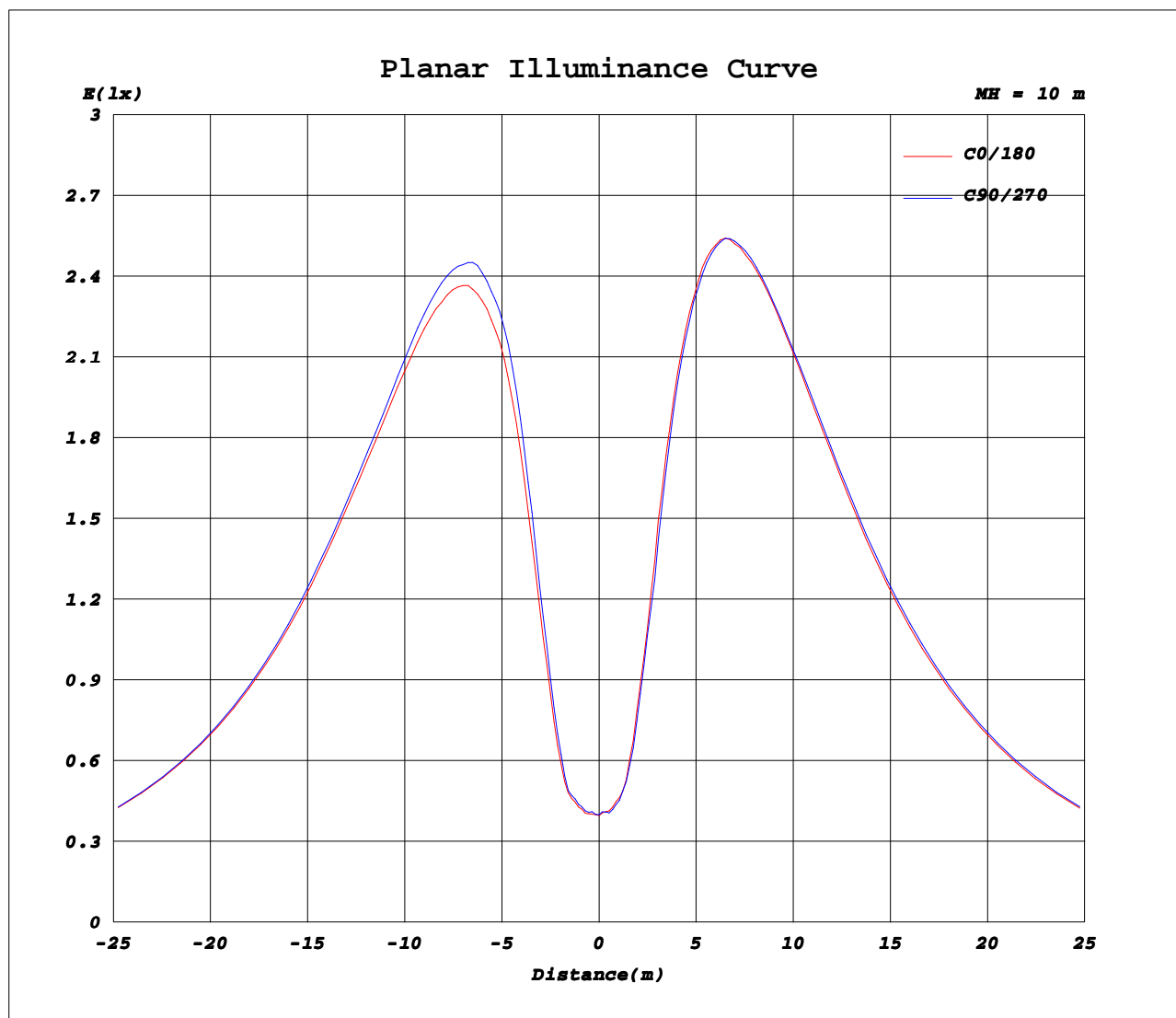
AvgL	cd/m2
L_0~180(65)av	18678
L_0~180(75)av	32565
L_0~180(85)av	99682
L_90~270(65)av	18867
L_90~270(75)av	32863
L_90~270(85)av	100533
L_45(65)av	18772
L_45(75)av	32779
L_45(85)av	100083

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

# Planar Illuminance Curve



**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: ARK**  
**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	39.7	39.7	39.7	39.7	39.8	39.8	40.0	40.2	40.1	40.2	40.3	40.1	39.7	39.7	39.7	39.7	39.8	39.8	40.0
5	42.4	42.3	41.7	42.1	42.2	42.9	43.4	43.3	43.9	45.0	44.7	44.6	45.3	45.1	44.6	44.6	44.9	45.1	44.2
10	54.7	54.2	53.6	55.1	54.4	56.2	57.0	60.8	61.9	64.4	69.4	69.4	70.8	72.8	70.8	73.5	72.0	70.3	67.9
15	106	104	102	103	106	110	113	115	121	123	128	133	135	138	140	139	138	133	129
20	184	181	184	186	187	195	197	197	204	205	214	213	222	230	225	229	223	221	216
25	271	268	271	274	281	284	288	282	286	289	297	298	305	311	310	317	311	307	300
30	351	350	350	357	363	370	367	359	368	365	380	375	384	389	387	400	392	389	382
35	430	429	428	439	445	452	445	436	445	440	456	448	458	462	462	476	470	468	460
40	507	501	503	511	523	525	521	509	516	514	526	526	530	534	533	548	548	542	533
45	579	574	576	581	597	596	592	579	585	586	594	593	598	598	601	618	621	612	601
50	647	643	645	648	666	664	657	646	650	648	656	657	660	661	664	683	686	678	666
55	706	699	703	705	727	723	717	702	700	702	706	711	710	710	715	735	741	731	720
60	752	744	748	751	775	769	760	745	744	743	748	751	753	750	754	777	785	775	763
65	791	782	786	791	815	807	796	781	780	780	783	787	788	784	788	811	822	812	798
70	823	813	818	822	848	838	828	812	809	811	811	818	816	812	816	838	852	841	828
75	848	839	845	846	874	863	851	839	831	837	831	841	838	831	838	860	875	864	850
80	866	856	863	864	893	881	868	856	846	852	846	856	853	845	851	875	890	878	866
85	878	866	874	875	905	892	878	865	855	859	854	863	860	851	860	882	898	887	874
90	881	870	878	879	908	895	882	866	856	861	856	863	862	851	860	882	899	888	875
95	879	867	876	876	906	893	879	864	852	857	851	859	857	847	856	876	894	882	871
100	870	858	868	867	896	882	868	857	842	849	839	848	845	835	843	864	881	870	860
105	853	843	853	852	879	866	852	841	824	832	820	830	826	816	824	845	862	849	841
110	828	818	828	828	855	841	828	816	800	804	794	803	798	790	798	817	833	821	815
115	795	787	795	797	822	809	797	780	768	769	763	767	763	756	765	784	797	788	781
120	756	750	755	759	781	770	758	737	731	728	724	725	723	714	724	744	753	746	740
125	710	705	711	713	731	724	712	692	686	682	676	677	675	667	675	695	703	697	692
130	655	653	657	659	674	668	658	639	633	627	621	622	619	613	620	637	643	639	635
135	592	591	592	596	608	603	593	578	569	562	556	555	555	549	555	570	574	571	569
140	519	518	522	524	533	529	521	505	496	487	481	480	481	477	481	492	497	495	494
145	438	438	441	443	451	446	441	424	414	405	395	396	397	396	401	406	413	409	413
150	352	355	356	358	360	358	354	339	331	320	313	309	308	311	313	318	321	323	325
155	265	267	264	270	268	270	262	253	246	239	231	229	228	226	225	229	234	235	236
160	183	186	189	190	192	191	187	177	168	166	157	157	154	152	158	156	160	158	164
165	112	115	116	118	116	115	109	104	100	95.6	92.4	89.7	86.9	83.6	82.6	83.7	86.5	86.8	91.0
170	53.9	55.5	56.2	56.9	55.5	55.5	52.8	50.4	45.7	43.6	41.0	39.4	38.6	37.2	37.3	37.3	38.3	39.1	40.5
175	19.0	19.6	19.2	18.8	17.3	15.2	13.1	12.8	13.0	12.8	12.0	11.7	10.7	10.6	10.7	10.9	11.4	11.9	12.7
180	10.6	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.5

**C Range: 0 - 360DEG**

**C Interval: 15.0DEG**

**Test Speed: HIGH**

**Temperature:25.3DEG**

**Operators:ARK**

**Test Date:09 January 2020**

**γ Range: 0 - 180DEG**

**γ Interval: 1.0DEG**

**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**

**Humidity:65.0%**

**Test Distance:8.100m [K=1.0000]**

**Remarks: OB200c-50W-5700K\_20200109**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:219.7V I:0.2377A P:51.10W PF:0.9787 Lamp Flux:8302.62x1 lm		
NAME: OB200c-50W-5700K_20200109	TYPE:LED	WEIGHT:
SPEC.:OB200c-50W-5700K_20200109	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	40.2	40.1	40.2	40.3	40.1														
5	44.3	43.5	43.6	42.3	42.7														
10	65.7	63.9	61.1	58.4	57.3														
15	129	125	120	114	111														
20	215	209	203	195	189														
25	301	297	289	283	276														
30	381	378	367	366	358														
35	458	457	443	443	434														
40	532	528	517	515	510														
45	601	597	589	586	581														
50	669	661	656	651	649														
55	722	714	712	704	707														
60	765	758	754	748	754														
65	802	793	791	786	791														
70	833	822	824	816	824														
75	857	845	851	839	850														
80	873	861	867	855	868														
85	880	869	873	866	877														
90	881	870	876	869	880														
95	877	866	872	865	877														
100	867	856	865	855	871														
105	849	839	848	839	854														
110	822	814	822	816	829														
115	786	781	786	784	795														
120	744	743	744	747	754														
125	697	696	698	701	708														
130	640	642	643	646	653														
135	575	578	577	583	589														
140	498	505	507	512	515														
145	417	423	425	430	435														
150	331	338	341	345	349														
155	242	249	251	260	262														
160	165	171	178	179	184														
165	95.8	102	107	112	113														
170	42.7	46.3	48.4	51.7	52.5														
175	13.5	15.1	15.7	17.0	17.4														
180	10.5	10.5	10.5	10.6	10.6														

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:ARK**  
**Test Date:09 January 2020**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

**Photometric Data Table [cd]**

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	39.68	39.68	39.69	39.73	39.77	39.80	39.95	40.17	40.14	40.21
3.0	40.47	41.24	41.12	40.73	40.95	40.68	41.10	41.23	41.52	42.03
6.0	43.54	43.69	43.08	43.87	43.71	44.15	44.52	44.92	45.37	46.32
9.0	49.95	49.64	50.11	49.89	50.30	50.51	50.79	53.68	55.81	57.28
12.0	70.16	69.08	68.43	71.08	70.68	73.17	74.76	79.19	81.06	84.06
15.0	105.9	103.8	102.4	102.7	106.1	110.0	113.4	114.5	120.8	123.2
18.0	150.4	144.5	150.3	145.8	152.9	153.4	161.0	162.2	168.8	170.4
21.0	202.0	197.5	201.5	203.5	205.6	210.6	215.9	214.1	218.3	221.4
24.0	253.9	251.8	254.5	258.3	263.4	266.4	270.1	264.4	270.0	270.5
27.0	304.4	303.4	304.3	307.5	315.9	320.3	320.6	314.5	318.0	318.8
30.0	351.0	350.5	349.6	357.0	363.3	369.9	366.7	359.2	367.5	365.0
33.0	398.6	398.1	397.6	408.7	414.0	421.0	415.6	406.2	414.5	411.1
36.0	445.8	443.8	443.5	453.5	461.2	466.8	460.2	449.9	459.1	453.7
39.0	490.8	486.7	488.3	497.5	507.4	510.1	506.1	493.7	501.6	499.0
42.0	537.2	530.8	532.7	539.4	553.4	554.7	550.4	537.7	543.0	542.5
45.0	579.3	573.6	576.2	581.2	596.8	596.2	591.8	578.9	584.9	585.6
48.0	620.6	615.7	618.0	621.8	639.4	637.6	630.8	619.6	625.4	624.7
51.0	659.7	654.6	657.1	660.7	679.8	677.5	670.2	659.3	660.3	660.3
54.0	695.9	688.1	691.9	694.6	715.9	712.0	705.4	693.0	690.3	691.2
57.0	724.8	717.2	722.5	725.0	747.6	742.0	735.0	719.3	718.7	719.6
60.0	752.4	744.3	748.0	750.6	774.9	769.0	760.2	744.6	743.8	743.1
63.0	776.4	768.1	771.1	775.6	799.4	793.1	783.1	767.0	766.1	765.3
66.0	798.1	789.1	792.8	797.3	821.9	814.2	802.2	788.1	786.7	787.3
69.0	816.6	807.9	811.7	816.1	841.5	832.0	821.1	806.9	803.5	805.2
72.0	834.2	824.2	829.9	832.0	859.4	849.1	837.9	825.2	818.3	822.6
75.0	847.9	838.8	844.7	845.9	874.1	862.6	850.9	839.2	830.5	836.9
78.0	859.6	850.2	856.9	857.5	886.3	874.8	861.8	849.9	840.2	848.2
81.0	869.4	858.7	866.2	866.6	896.3	883.6	870.9	858.3	848.6	854.9
84.0	876.4	864.8	873.7	872.4	903.6	890.0	877.1	863.3	854.2	859.4
87.0	880.0	868.0	876.6	877.4	907.0	894.1	880.6	865.2	856.2	860.5
90.0	881.4	870.1	877.9	878.8	908.3	894.9	881.5	865.5	856.5	860.8
93.0	880.7	869.4	877.3	877.7	908.0	893.5	880.5	865.1	854.2	860.3
96.0	878.8	866.0	875.4	875.0	904.1	891.0	876.7	862.4	851.0	856.3
99.0	872.4	860.1	870.5	869.3	898.6	884.3	871.1	858.5	844.5	851.2
102.0	864.0	853.5	862.8	861.8	890.4	875.6	862.9	851.2	835.4	842.9
105.0	853.1	842.5	853.4	851.7	878.8	865.5	851.7	840.7	824.2	831.8
108.0	838.9	828.2	839.3	838.0	865.1	851.1	838.3	826.8	810.3	816.0
111.0	821.4	812.6	821.8	821.8	849.1	835.2	822.1	808.9	793.9	797.4
114.0	802.1	794.0	801.7	803.5	829.4	816.1	803.7	786.9	775.3	775.9
117.0	779.9	773.0	779.9	782.6	806.1	794.4	781.7	763.2	754.0	752.4
120.0	756.1	749.8	755.2	758.6	781.1	770.4	757.9	737.3	730.8	727.9
123.0	729.6	723.3	729.5	732.6	751.4	744.5	731.1	711.0	705.1	701.6
126.0	699.5	694.9	701.2	702.4	720.4	713.4	701.6	681.9	676.3	672.0
129.0	666.9	664.0	668.7	670.4	686.3	680.6	669.5	650.1	644.4	639.5
132.0	631.1	628.9	631.6	634.4	648.9	642.9	633.1	615.4	608.6	601.6
135.0	591.8	591.0	592.0	596.0	607.6	603.3	593.3	577.6	569.0	562.4
138.0	548.6	548.4	551.0	553.8	563.6	559.9	550.3	534.9	526.1	518.4
141.0	503.4	502.6	506.1	508.5	516.9	513.1	505.8	489.8	481.6	471.5
144.0	455.0	454.9	457.6	459.8	468.0	463.4	457.4	441.5	431.4	421.4
147.0	403.2	405.1	407.7	409.5	415.3	410.9	408.2	389.8	380.7	371.4
150.0	352.2	354.9	355.8	358.5	360.0	358.4	354.3	338.8	331.4	319.9
153.0	299.2	301.1	299.9	305.2	304.0	303.8	297.0	286.9	279.9	269.7
156.0	248.6	250.5	248.5	252.6	252.7	254.0	246.2	237.1	229.5	223.5
159.0	197.9	201.2	204.7	205.6	207.0	205.1	201.5	191.5	182.8	181.1
162.0	156.2	159.5	160.3	161.8	162.0	161.0	158.1	151.2	142.7	137.3
165.0	112.0	115.4	115.9	117.8	115.9	114.6	108.5	103.5	100.1	95.56
168.0	72.87	74.85	74.92	75.90	75.00	75.62	71.57	68.25	63.75	61.39
171.0	45.59	46.76	47.25	47.95	46.64	46.61	44.72	42.26	37.19	35.21
174.0	24.70	25.20	25.11	24.91	23.36	21.79	19.63	19.11	17.28	18.42
177.0	10.66	10.61	10.56	10.51	10.49	10.47	10.49	10.49	10.52	10.53
180.0	10.64	10.59	10.54	10.50	10.48	10.46	10.48	10.49	10.52	10.53
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	40.27	40.15	39.68	39.68	39.69	39.73	39.77	39.80	39.95	40.17
3.0	42.22	42.27	41.60	42.34	41.94	41.72	41.68	41.77	40.83	41.47
6.0	46.69	46.42	47.14	47.96	47.07	48.83	46.53	46.87	46.10	46.30
9.0	60.25	60.35	63.14	64.76	62.21	64.25	61.37	60.83	60.62	57.64
12.0	90.66	90.81	94.75	100.0	95.58	97.14	93.99	92.25	90.85	87.07
15.0	128.0	133.1	135.5	138.4	139.9	139.2	137.9	133.0	129.3	128.9
18.0	178.5	181.6	186.8	192.3	187.9	193.3	187.9	184.6	180.5	180.0
21.0	232.4	233.2	239.1	247.0	243.8	247.0	241.0	238.4	233.9	233.7
24.0	281.6	280.5	288.3	295.2	294.2	298.7	293.6	290.3	284.0	283.9
27.0	330.8	328.0	336.4	341.8	339.8	349.3	344.1	340.1	332.8	331.5
30.0	379.6	375.1	384.4	389.0	386.9	400.2	392.0	389.5	382.1	381.5

**C Range: 0 - 360DEG**

**C Interval: 15.0DEG**

**Test Speed: HIGH**

**Temperature: 25.3DEG**

**Operators: ARK**

**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**

**γ Interval: 1.0DEG**

**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**

**Humidity: 65.0%**

**Test Distance: 8.100m [K=1.0000]**

**Remarks: OB200c-50W-5700K\_20200109**

**Photometric Data Table [cd]**

33.0	427.0	420.1	430.7	435.5	432.6	447.1	438.5	438.2	430.8	428.2
36.0	470.0	463.9	473.4	475.8	476.3	490.5	485.7	482.7	474.6	472.5
39.0	512.1	511.2	516.0	520.0	519.4	533.3	532.1	527.9	518.5	517.2
42.0	553.4	553.5	558.7	559.9	560.5	576.3	577.4	570.2	560.4	559.7
45.0	594.2	593.4	598.5	598.2	600.9	618.5	620.9	611.5	601.2	601.3
48.0	633.1	633.0	635.8	636.9	639.6	658.7	660.9	651.9	642.1	642.4
51.0	667.0	669.5	670.9	672.3	675.4	693.9	697.6	689.8	677.3	681.1
54.0	696.2	700.6	700.4	701.0	706.2	726.1	731.1	721.5	709.2	711.9
57.0	723.2	727.4	728.7	726.5	731.9	752.3	759.7	750.0	738.1	740.1
60.0	747.9	750.7	753.2	750.5	754.5	777.1	784.6	775.5	762.9	765.3
63.0	771.1	773.3	774.4	770.9	775.5	798.8	807.5	798.2	785.2	788.1
66.0	789.3	793.5	793.7	789.6	794.6	816.8	828.0	817.8	805.5	808.2
69.0	805.8	812.0	811.5	806.5	810.9	832.7	847.0	835.2	822.4	827.7
72.0	819.8	828.0	825.4	819.9	825.7	848.5	862.6	850.7	837.0	843.6
75.0	831.4	840.5	837.8	831.4	837.6	860.2	874.9	863.6	850.2	856.7
78.0	840.9	850.3	847.2	840.4	846.6	869.9	885.2	873.2	860.7	866.2
81.0	847.6	858.2	854.7	847.4	854.1	876.6	892.3	880.5	868.3	874.8
84.0	852.2	861.5	859.1	850.5	858.3	881.3	897.4	885.8	873.1	879.0
87.0	855.5	863.4	861.1	852.5	860.9	883.0	898.7	887.1	875.1	880.9
90.0	855.6	862.8	861.9	851.3	860.0	882.2	898.9	887.8	874.5	881.5
93.0	853.8	861.5	859.3	849.0	858.5	879.8	897.0	885.3	873.3	879.7
96.0	849.1	857.4	854.5	845.2	853.5	874.0	891.5	880.6	869.4	875.8
99.0	841.5	850.9	847.5	838.2	846.0	866.3	884.9	872.6	862.1	869.8
102.0	831.8	842.0	838.0	828.9	836.4	856.5	873.9	862.1	852.7	860.8
105.0	820.1	829.8	825.5	816.5	824.0	844.6	861.6	849.0	840.8	849.0
108.0	805.8	814.3	810.4	801.9	809.3	829.7	845.0	833.9	826.6	833.3
111.0	788.5	796.0	791.9	783.8	792.2	811.6	826.3	814.7	808.5	815.2
114.0	770.0	774.3	770.9	763.5	772.1	791.7	804.9	795.2	788.1	794.1
117.0	748.3	751.0	747.9	740.3	749.5	768.7	780.5	771.7	765.4	770.4
120.0	724.1	724.7	723.2	714.3	723.6	743.5	753.4	746.2	739.7	743.5
123.0	696.0	697.0	695.6	687.3	695.7	715.5	723.2	718.2	711.9	716.3
126.0	665.8	666.2	664.7	656.6	664.7	683.7	690.9	686.4	681.2	685.6
129.0	633.0	633.5	630.6	624.3	631.6	649.2	654.8	651.3	646.8	652.4
132.0	596.1	595.7	594.2	588.1	594.3	611.6	616.2	613.4	610.4	614.9
135.0	556.0	555.2	554.8	549.0	554.7	569.8	574.0	571.4	569.5	574.8
138.0	512.2	510.9	511.4	506.7	511.6	523.8	528.7	526.1	524.8	529.3
141.0	464.2	463.7	465.0	461.4	465.6	475.1	480.9	478.1	478.2	482.9
144.0	413.2	412.8	414.7	412.6	417.1	423.4	430.3	426.5	429.4	434.1
147.0	361.5	359.8	362.1	363.5	367.0	371.2	376.0	374.6	378.4	383.9
150.0	313.4	308.7	308.5	311.4	312.9	318.4	321.2	322.9	324.7	330.7
153.0	263.4	259.6	259.1	258.3	256.8	264.4	267.1	269.7	270.8	275.6
156.0	215.1	214.6	212.3	209.9	210.0	213.1	218.9	218.4	221.6	226.0
159.0	171.1	170.3	167.6	167.0	171.1	169.5	176.4	172.2	178.5	179.1
162.0	132.7	128.2	125.9	128.3	129.0	130.5	131.6	133.7	134.5	138.3
165.0	92.36	89.71	86.91	83.55	82.59	83.67	86.46	86.80	91.02	95.77
168.0	58.03	55.47	54.47	53.44	53.72	53.33	55.05	55.62	57.16	60.56
171.0	33.91	32.41	31.85	30.58	29.81	30.05	31.37	31.80	33.33	35.19
174.0	17.52	16.77	16.20	15.63	15.65	15.77	16.21	16.60	17.59	18.79
177.0	10.55	10.55	10.58	10.53	10.47	10.45	10.42	10.42	10.43	10.45
180.0	10.56	10.56	10.64	10.60	10.53	10.50	10.48	10.47	10.48	10.49
G/C	300.0	315.0	330.0	345.0						
0.0	40.14	40.21	40.27	40.15						
3.0	41.69	41.21	41.48	40.87						
6.0	45.72	46.04	44.69	44.43						
9.0	56.11	54.44	52.37	51.87						
12.0	86.11	81.52	75.54	74.00						
15.0	125.4	119.8	114.2	111.1						
18.0	172.4	169.2	160.6	155.4						
21.0	228.3	221.6	212.5	207.5						
24.0	280.6	272.2	265.2	259.5						
27.0	331.2	321.4	316.8	309.4						
30.0	378.4	367.1	365.7	358.3						
33.0	427.7	412.8	412.9	404.3						
36.0	471.9	457.5	457.3	448.9						
39.0	514.1	500.9	500.7	494.4						
42.0	556.4	546.8	544.2	539.5						
45.0	597.1	588.9	585.9	580.9						
48.0	637.2	630.1	626.1	623.3						
51.0	672.8	668.4	662.1	661.5						
54.0	704.5	702.3	694.0	696.3						
57.0	732.2	730.2	722.9	726.2						
60.0	757.7	753.5	748.2	753.7						
63.0	779.4	775.8	772.2	775.9						
66.0	799.4	798.1	792.2	797.3						

**C Range: 0 - 360DEG**

**C Interval: 15.0DEG**

**Test Speed: HIGH**

**Temperature: 25.3DEG**

**Operators: ARK**

**Test Date: 09 January 2020**

**γ Range: 0 - 180DEG**

**γ Interval: 1.0DEG**

**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**

**Humidity: 65.0%**

**Test Distance: 8.100m [K=1.0000]**

**Remarks: OB200c-50W-5700K\_20200109**



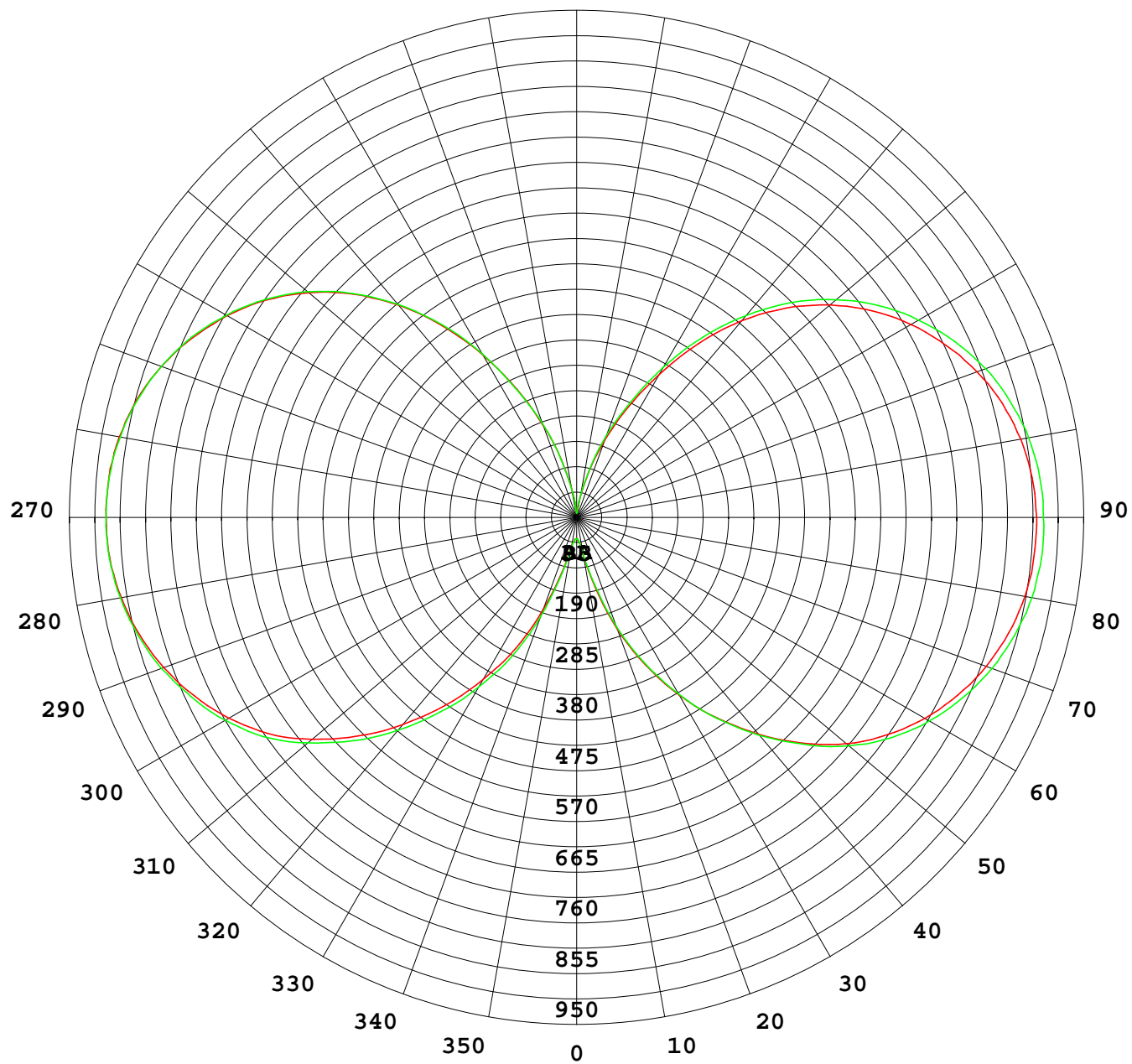
**Photometric Data Table [cd]**

69.0	817.2	817.4	810.5	817.7
72.0	832.0	836.7	825.4	836.1
75.0	844.7	850.5	839.4	850.2
78.0	855.3	861.0	850.4	861.5
81.0	862.6	869.4	857.7	871.1
84.0	868.8	874.0	864.1	876.8
87.0	870.0	874.7	867.7	879.2
90.0	870.1	875.7	868.6	880.3
93.0	868.7	874.9	867.6	879.5
96.0	865.0	872.0	863.9	876.3
99.0	858.4	867.5	858.2	872.5
102.0	849.6	858.7	849.6	865.0
105.0	838.6	847.8	839.0	853.7
108.0	824.0	833.4	825.4	839.9
111.0	808.3	815.6	809.9	823.1
114.0	788.4	794.0	791.3	801.9
117.0	767.0	769.5	770.0	779.4
120.0	742.5	744.4	746.6	753.5
123.0	716.3	718.1	720.5	727.0
126.0	686.2	687.7	690.5	698.0
129.0	653.5	655.4	657.7	664.3
132.0	617.5	616.6	622.4	628.5
135.0	578.1	577.5	583.5	589.0
138.0	535.1	535.4	541.6	545.8
141.0	488.7	490.7	495.5	499.7
144.0	440.0	441.6	446.6	451.7
147.0	389.3	392.7	396.0	401.8
150.0	337.9	340.9	345.4	348.7
153.0	283.2	286.3	296.2	296.1
156.0	232.6	235.1	241.7	245.5
159.0	184.8	191.3	194.8	200.0
162.0	144.3	147.4	150.8	155.3
165.0	102.0	106.8	112.0	112.5
168.0	64.88	66.61	69.10	71.36
171.0	38.48	40.69	43.09	44.02
174.0	20.46	21.69	23.14	23.74
177.0	10.47	10.50	10.52	10.53
180.0	10.51	10.53	10.56	10.56

**C Range: 0 - 360DEG**  
**C Interval: 15.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: ARK**  
**Test Date: 09 January 2020**

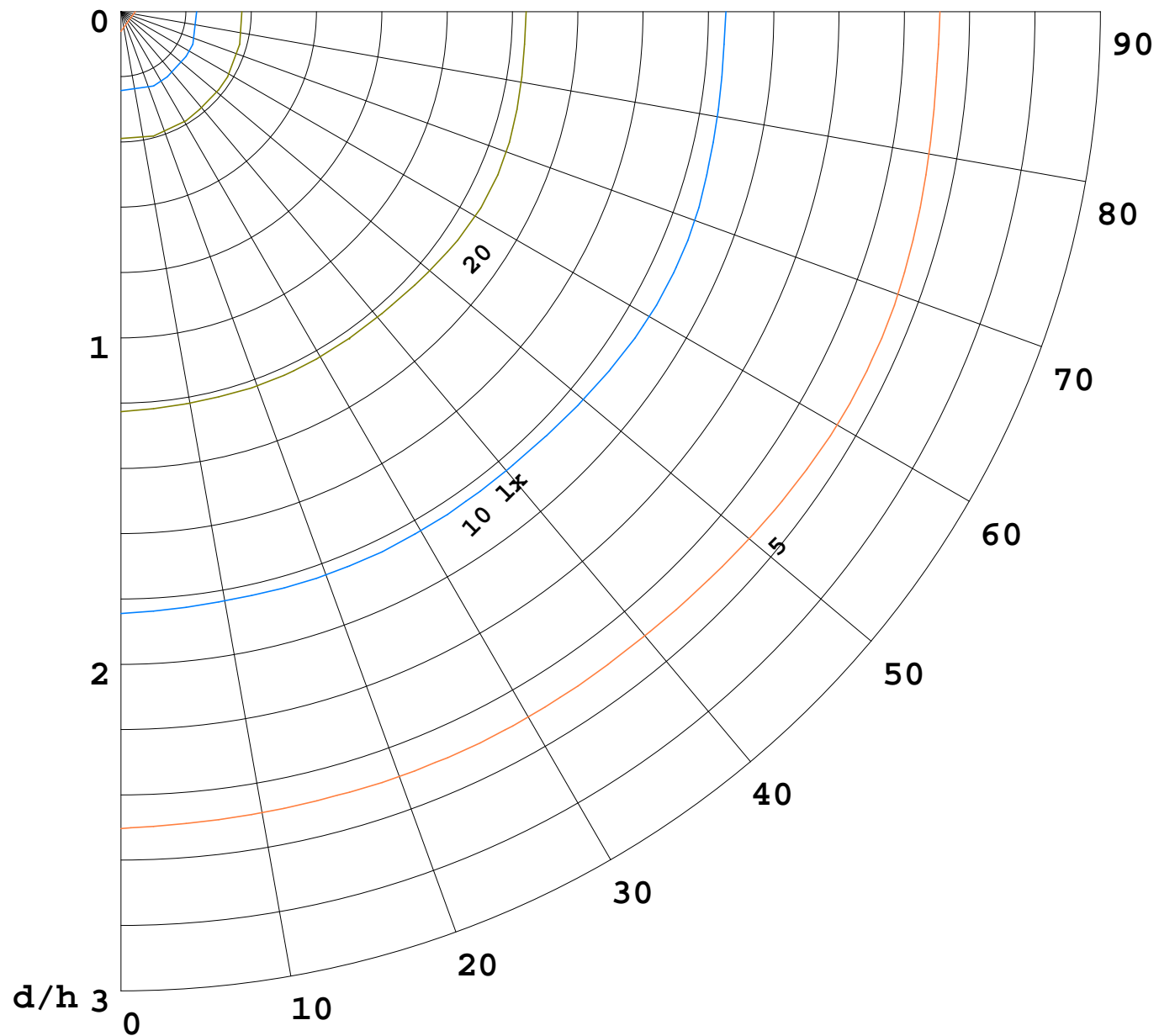
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity: 65.0%**  
**Test Distance: 8.100m [K=1.0000]**  
**Remarks: OB200c-50W-5700K\_20200109**

I(cd)



1000 lm

$K = 1$



**F** = 1000 lm  
**K** = 0.7  
**Hcc** = 0.8 m  
**Hfc** = 0.0 m  
**Eave** = 100 lx

	<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
————	70	50	30
————	50	30	20

