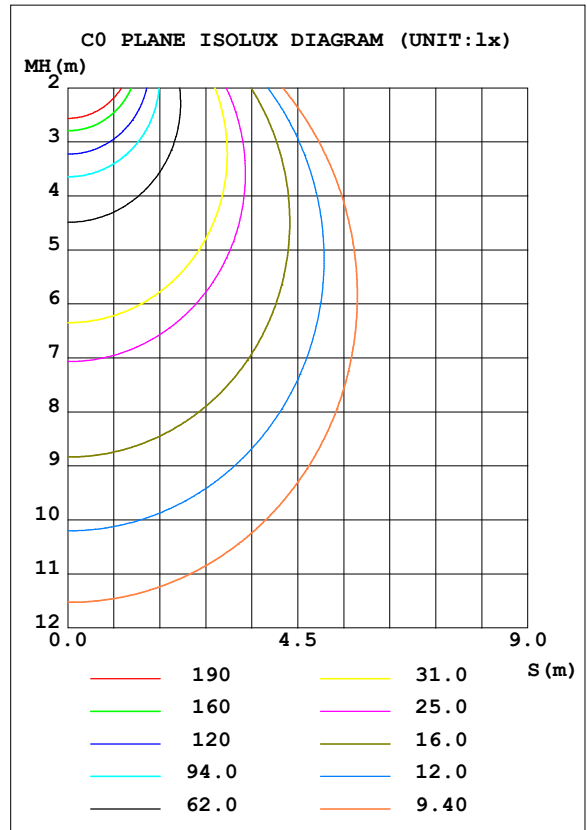
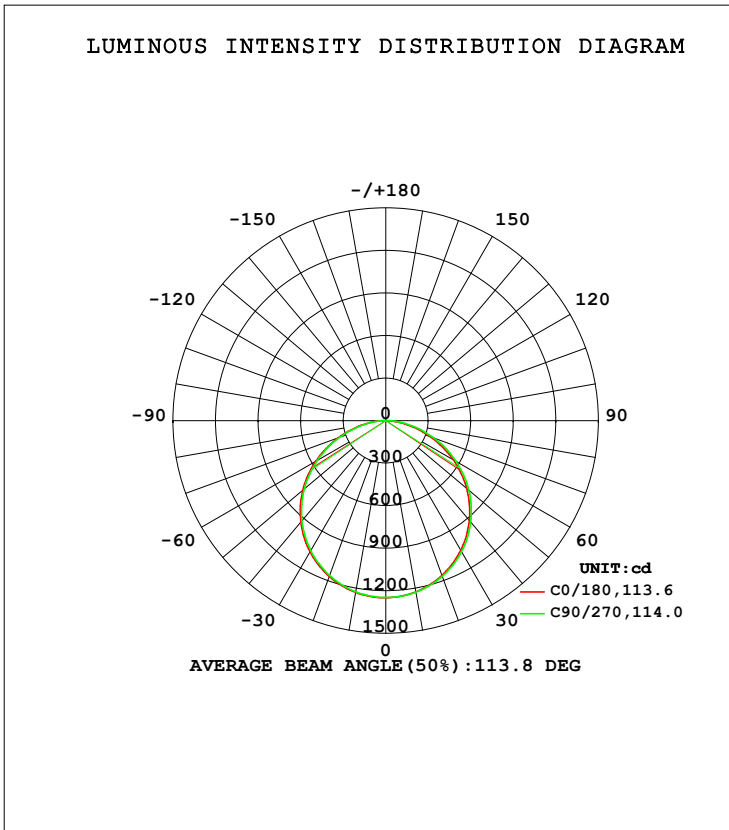


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.89 lm/W			
MODEL	BLP36W-60SQ-CW	Imax (cd)	1249	S/MH (C0/180)	1.26
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	3625.7	<input type="checkbox"/> UP, DN (C0-180)	0.0,49.9
NOMINAL FLUX (lm)	3625.71	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,50.1
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.880m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

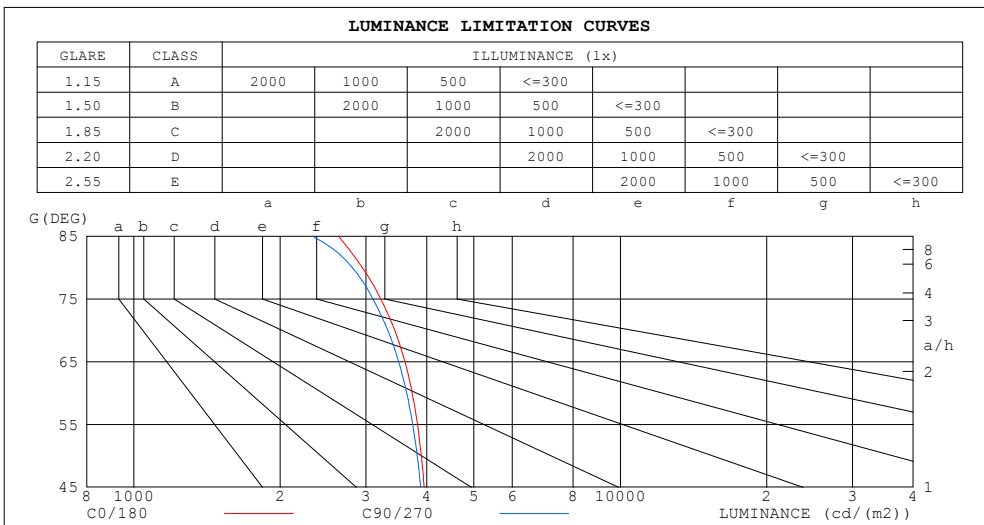
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1230	1227	1225	1223	1226	1226	1228	1229	0- 10	118.1	118.1	3.26,3.26
20	1169	1166	1161	1158	1161	1163	1168	1168	10- 20	338.9	457.0	12.6,12.6
30	1069	1065	1059	1054	1057	1061	1068	1069	20- 30	515.4	972.3	26.8,26.8
40	932.7	928.9	920.5	915.0	917.6	922.9	933.1	934.1	30- 40	624.5	1597	44,44
50	764.3	759.7	750.0	743.6	745.7	753.1	765.5	766.6	40- 50	651.2	2248	62,62
60	569.5	564.5	554.9	545.9	548.0	557.1	570.9	572.8	50- 60	590.4	2839	78.3,78.3
70	358.8	355.5	347.0	336.3	336.0	347.1	363.7	363.5	60- 70	451.5	3290	90.7,90.7
80	156.1	153.8	149.0	137.4	136.9	147.7	161.2	160.9	70- 80	262.1	3552	98,98
90	5.217	2.104	1.620	1.627	1.549	1.656	4.691	7.541	80- 90	73.61	3626	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2636	2327
80	2948	2813
75	3216	3098
70	3439	3326
65	3608	3502
60	3735	3639
55	3829	3744
50	3899	3826
45	3951	3889

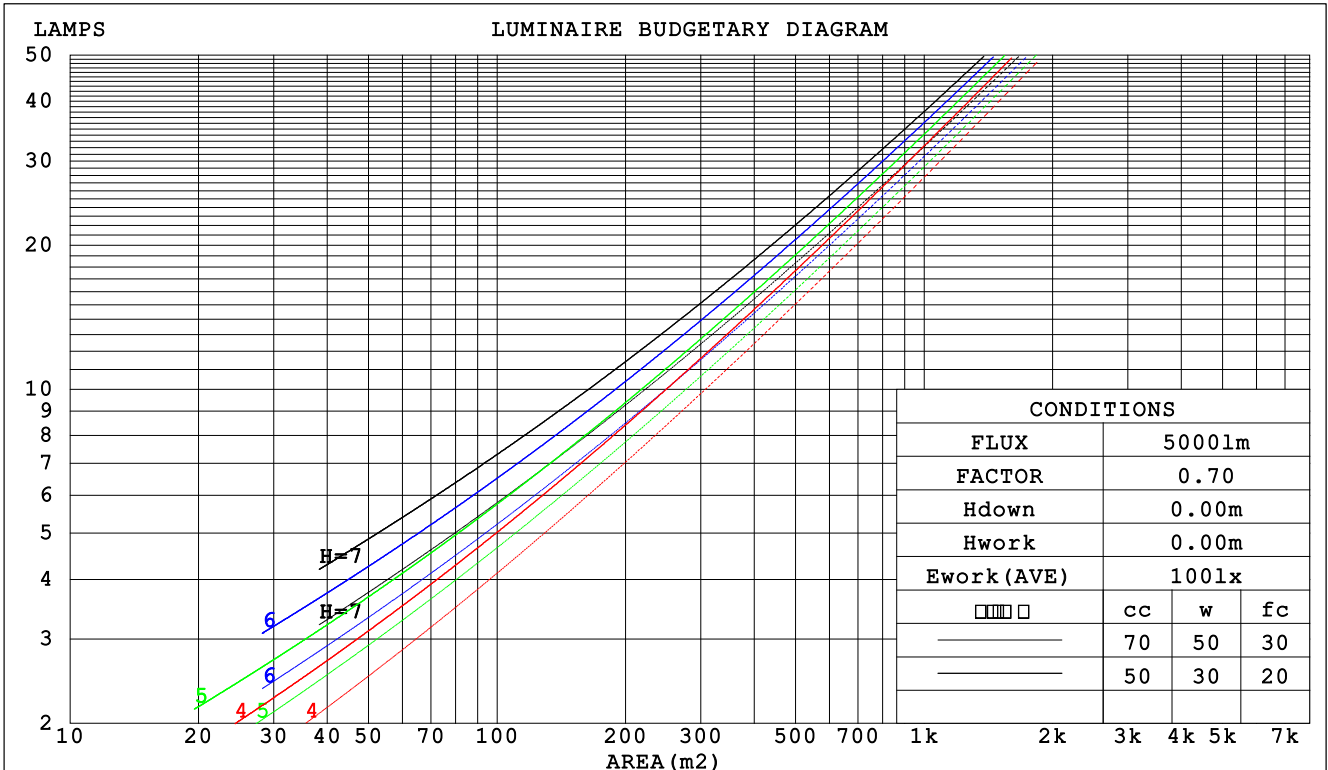
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients (WEC)			
0.0						
1.0	.313 .178 .056	.306 .175 .055	.293 .168 .054	.281 .162 .052	.269 .156 .050	
2.0	.294 .161 .049	.288 .159 .049	.276 .154 .048	.265 .149 .047	.255 .144 .046	
3.0	.272 .145 .043	.266 .143 .043	.256 .139 .042	.246 .135 .041	.237 .131 .041	
4.0	.251 .130 .038	.246 .129 .038	.237 .125 .037	.228 .122 .037	.220 .120 .036	
5.0	.232 .118 .034	.227 .117 .034	.219 .114 .034	.211 .112 .033	.204 .109 .033	
6.0	.215 .108 .031	.211 .106 .031	.204 .104 .030	.197 .102 .030	.190 .100 .030	
7.0	.200 .099 .028	.196 .098 .028	.190 .096 .028	.184 .094 .027	.178 .092 .027	
8.0	.186 .091 .026	.183 .090 .026	.178 .089 .025	.172 .087 .025	.167 .086 .025	
9.0	.175 .084 .024	.172 .084 .024	.167 .082 .023	.162 .081 .023	.157 .080 .023	
10.0	.164 .079 .022	.162 .078 .022	.157 .077 .022	.153 .076 .022	.148 .075 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients (CCEC)			
0.0	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.181 .156 .134	.154 .134 .115	.106 .092 .080	.061 .053 .046	.019 .017 .015	
2.0	.173 .132 .098	.148 .114 .084	.101 .079 .059	.058 .046 .035	.019 .015 .011	
3.0	.165 .114 .074	.141 .099 .064	.097 .069 .045	.056 .040 .027	.018 .013 .009	
4.0	.157 .101 .058	.135 .087 .050	.093 .061 .036	.054 .036 .021	.017 .012 .007	
5.0	.150 .091 .047	.129 .078 .041	.089 .055 .029	.051 .032 .017	.017 .010 .006	
6.0	.143 .082 .039	.123 .071 .034	.085 .050 .024	.049 .029 .014	.016 .010 .005	
7.0	.136 .075 .033	.117 .065 .029	.081 .046 .020	.047 .027 .012	.015 .009 .004	
8.0	.129 .070 .029	.111 .060 .025	.077 .042 .018	.045 .025 .011	.014 .008 .003	
9.0	.123 .065 .025	.106 .056 .022	.074 .039 .016	.043 .023 .009	.014 .008 .003	
10.0	.117 .060 .022	.101 .052 .020	.070 .037 .014	.041 .022 .008	.013 .007 .003	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm										
NAME: BLP36W-60SQ-CW					TYPE:36W			WEIGHT:		
SPEC.:6000K					DIM.:			SERIAL No.:		
MFR.:					SUR.:0.552*0.0.552			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	17.6	19.1	17.9	19.3	19.5	17.5	19.0	17.8	19.2	19.4
3H	19.1	20.6	19.4	20.8	21.0	19.0	20.4	19.3	20.7	20.9
4H	19.8	21.1	20.1	21.4	21.6	19.6	21.0	19.9	21.2	21.5
6H	20.2	21.5	20.6	21.8	22.0	20.1	21.3	20.4	21.6	21.9
8H	20.4	21.6	20.7	21.9	22.2	20.2	21.4	20.6	21.7	22.0
12H	20.5	21.7	20.8	21.9	22.3	20.3	21.5	20.6	21.8	22.1
4H 2H	18.2	19.5	18.5	19.8	20.1	18.1	19.5	18.4	19.7	20.0
3H	19.9	21.1	20.3	21.4	21.7	19.8	21.0	20.2	21.3	21.6
4H	20.7	21.8	21.1	22.1	22.4	20.6	21.7	20.9	22.0	22.3
6H	21.3	22.2	21.7	22.6	23.0	21.1	22.1	21.5	22.5	22.8
8H	21.5	22.4	21.9	22.8	23.1	21.3	22.2	21.8	22.6	23.0
12H	21.6	22.5	22.1	22.8	23.2	21.5	22.3	21.9	22.7	23.1
8H 4H	21.0	21.9	21.4	22.2	22.6	20.9	21.8	21.3	22.1	22.5
6H	21.7	22.5	22.1	22.9	23.3	21.6	22.3	22.0	22.7	23.2
8H	22.0	22.7	22.5	23.1	23.5	21.9	22.5	22.3	23.0	23.4
12H	22.2	22.8	22.7	23.2	23.7	22.1	22.6	22.5	23.1	23.6
12H 4H	21.0	21.8	21.4	22.2	22.6	20.9	21.7	21.3	22.1	22.5
6H	21.8	22.4	22.2	22.9	23.3	21.7	22.3	22.1	22.7	23.2
8H	22.1	22.7	22.6	23.1	23.6	22.0	22.5	22.5	23.0	23.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 3626 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.5)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

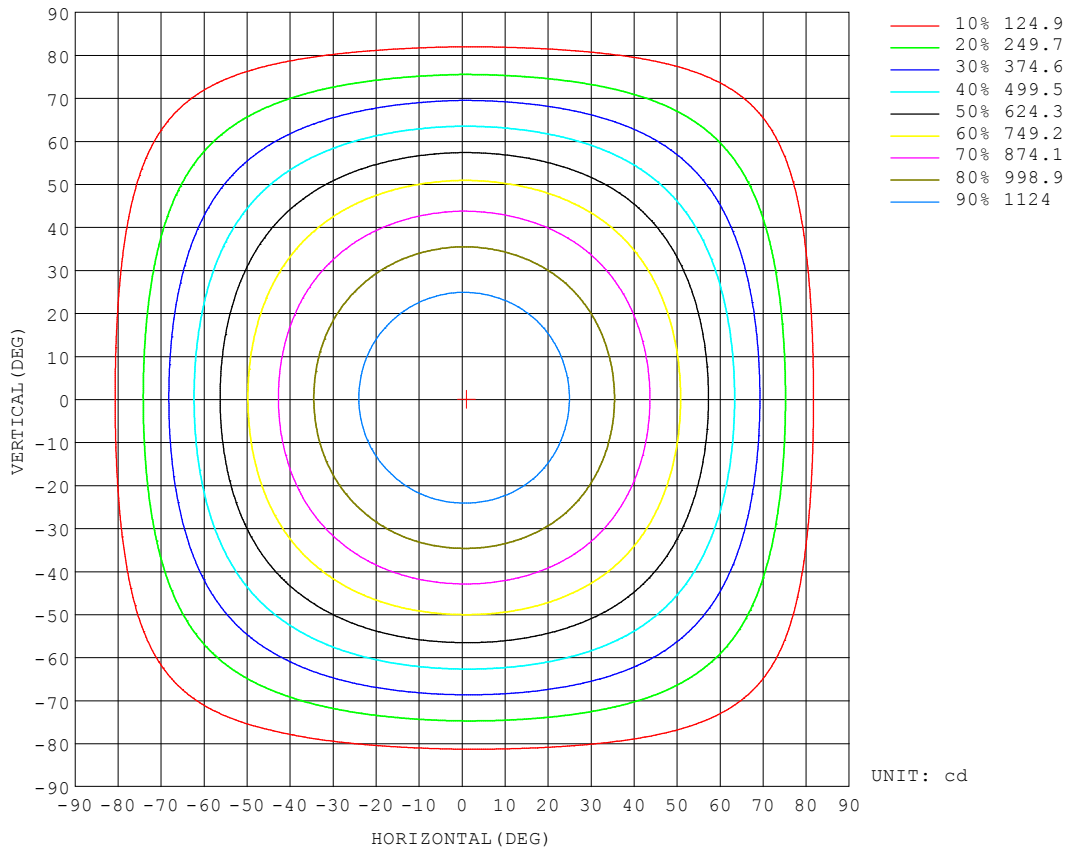
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

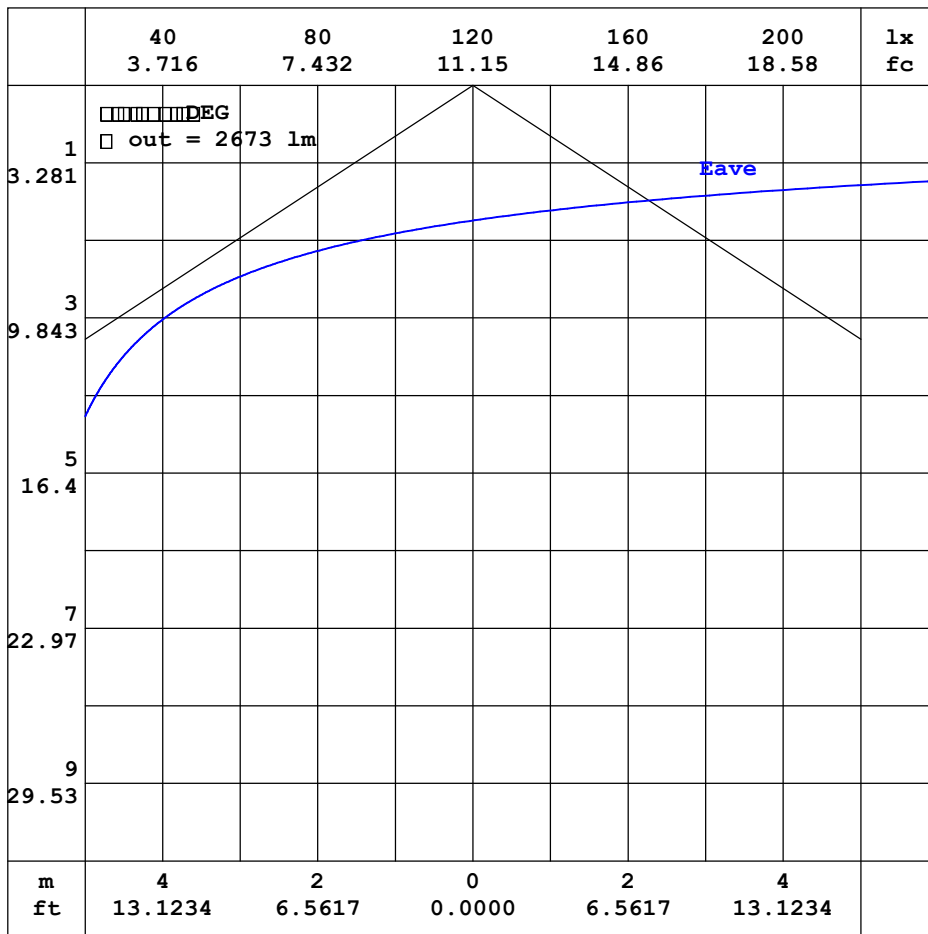


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:



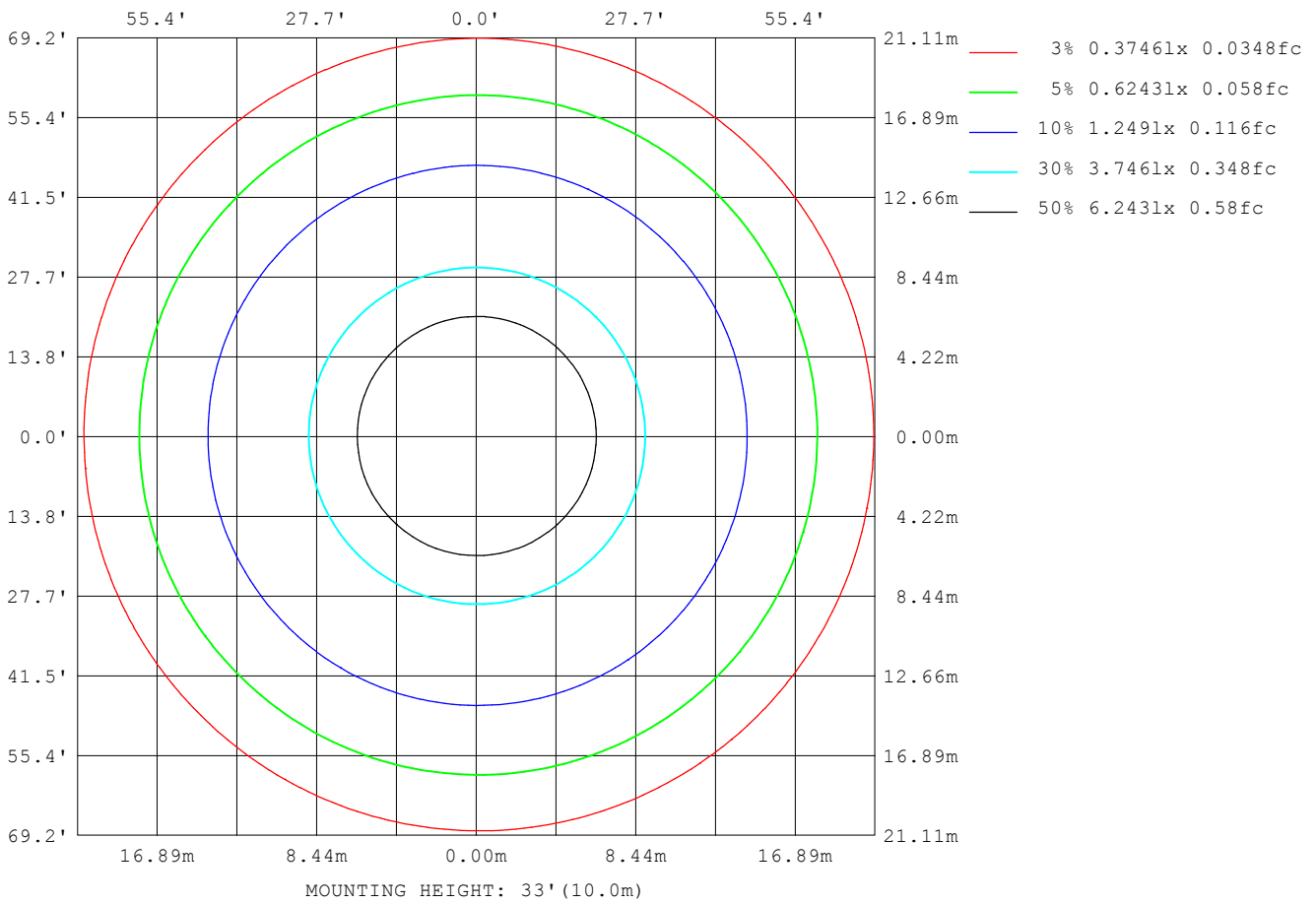
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

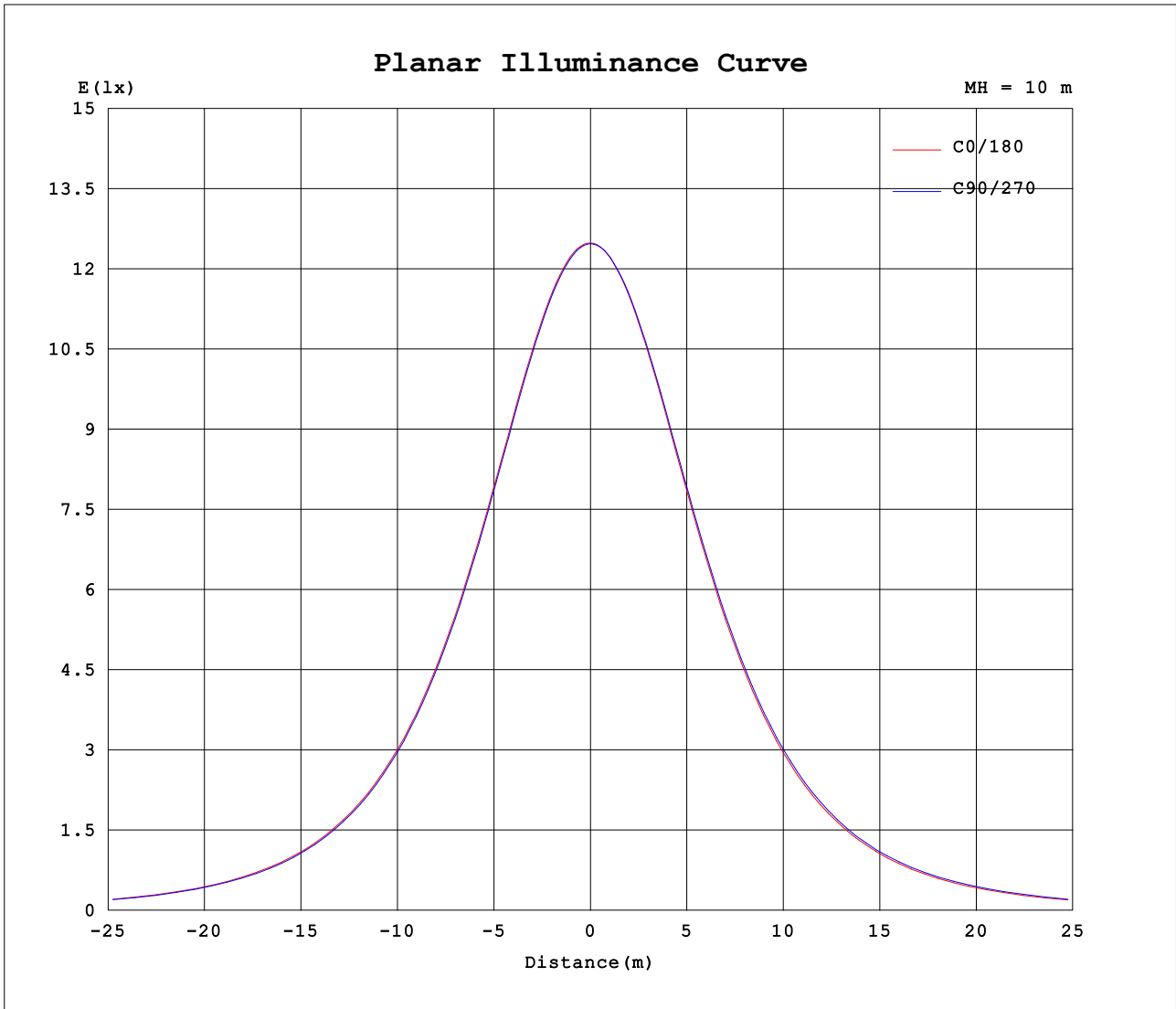
AvgL	cd/m2
L_0~180 (65) av	3523
L_0~180 (75) av	3080
L_0~180 (85) av	2344
L_90~270 (65) av	3566
L_90~270 (75) av	3196
L_90~270 (85) av	2536
L_45 (65) av	3539
L_45 (75) av	3127
L_45 (85) av	2379

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.34V I:0.1614A P:37.037W PF:0.9551 Freq:50.00Hz Lamp Flux:3625.71x1 lm		
NAME: BLP36W-60SQ-CW	TYPE:36W	WEIGHT:
SPEC.:6000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.0.552	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1249	1248	1247	1247	1249	1248	1247	1247										
5	1245	1243	1241	1240	1242	1242	1243	1243										
10	1230	1227	1225	1223	1226	1226	1228	1229										
15	1204	1202	1198	1196	1198	1199	1203	1204										
20	1169	1166	1161	1158	1161	1163	1168	1168										
25	1123	1120	1115	1111	1114	1116	1123	1124										
30	1069	1065	1059	1054	1057	1061	1068	1069										
35	1005	1001	994	989	992	996	1005	1006										
40	933	929	920	915	918	923	933	934										
45	852	848	839	833	835	842	853	855										
50	764	760	750	744	746	753	765	767										
55	670	665	655	647	650	658	671	673										
60	570	565	555	546	548	557	571	573										
65	465	461	451	442	443	453	468	469										
70	359	356	347	336	336	347	364	363										
75	254	252	245	233	232	244	260	259										
80	156	154	149	137	137	148	161	161										
85	70.1	66.2	61.9	52.2	54.5	61.4	73.0	73.1										
90	5.22	2.10	1.62	1.63	1.55	1.66	4.69	7.54										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-28

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks: