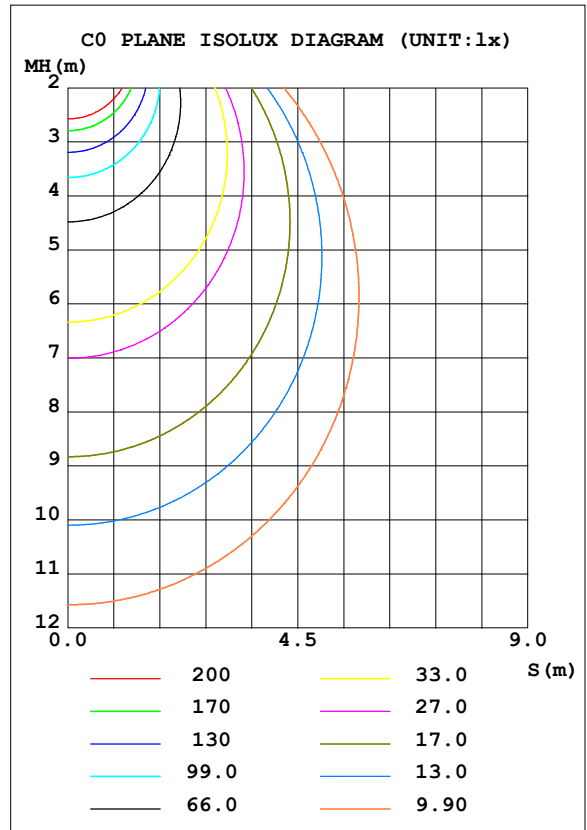
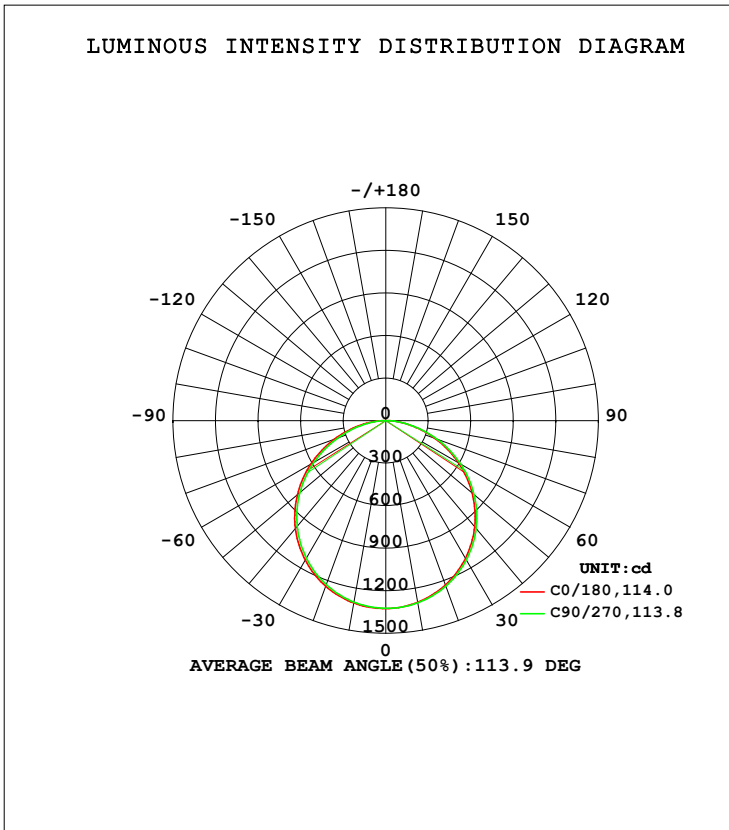


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.07 lm/W			
MODEL	BLP36W-60SQ	Imax (cd)	1325	S/MH (C0/180)	1.26
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	3861.6	<input type="checkbox"/> UP, DN (C0-180)	0.0, 49.7
NOMINAL FLUX (lm)	3861.63	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0, 50.3
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: 2020-08-29

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:

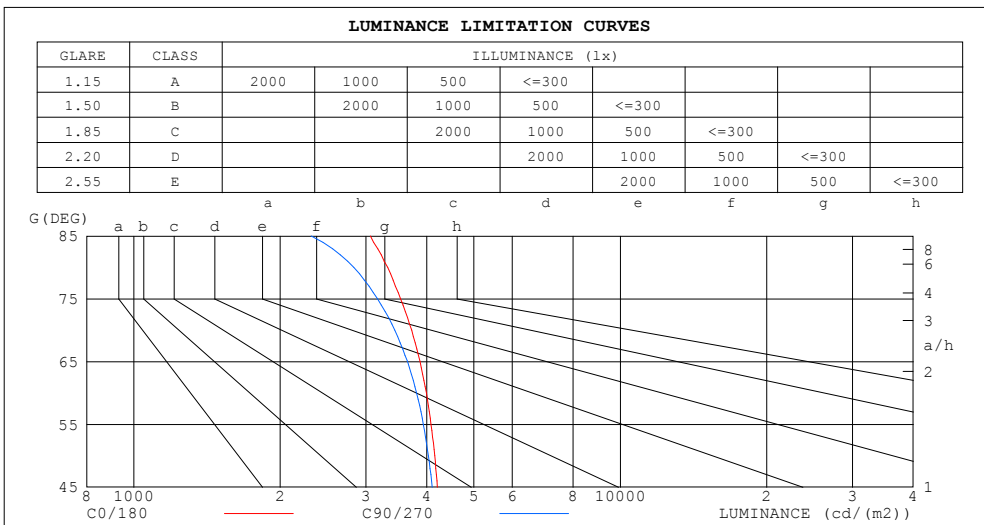
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1305	1302	1299	1298	1301	1302	1305	1305	0- 10	125.4	125.4	3.25,3.25
20	1242	1236	1230	1229	1232	1236	1241	1243	10- 20	359.8	485.1	12.6,12.6
30	1137	1129	1120	1118	1123	1129	1136	1139	20- 30	547.4	1033	26.7,26.7
40	992.9	983.4	972.3	970.8	975.9	983.5	992.4	995.8	30- 40	663.5	1696	43.9,43.9
50	814.5	803.7	790.6	789.6	795.4	804.2	814.4	818.6	40- 50	692.1	2388	61.8,61.8
60	608.9	595.8	581.6	581.6	589.5	597.2	608.4	612.6	50- 60	628.1	3016	78.1,78.1
70	388.5	374.6	358.8	361.3	371.0	375.6	386.3	390.6	60- 70	481.7	3498	90.6,90.6
80	176.1	161.9	150.0	151.6	161.2	163.7	170.9	175.9	70- 80	282.3	3780	97.9,97.9
90	5.458	1.727	1.876	2.239	1.969	1.770	5.842	8.045	80- 90	81.38	3862	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:2020-08-29

□ 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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3064	2315
80	3324	2831
75	3536	3167
70	3725	3439
65	3876	3651
60	3993	3814
55	4084	3937
50	4154	4033
45	4208	4105

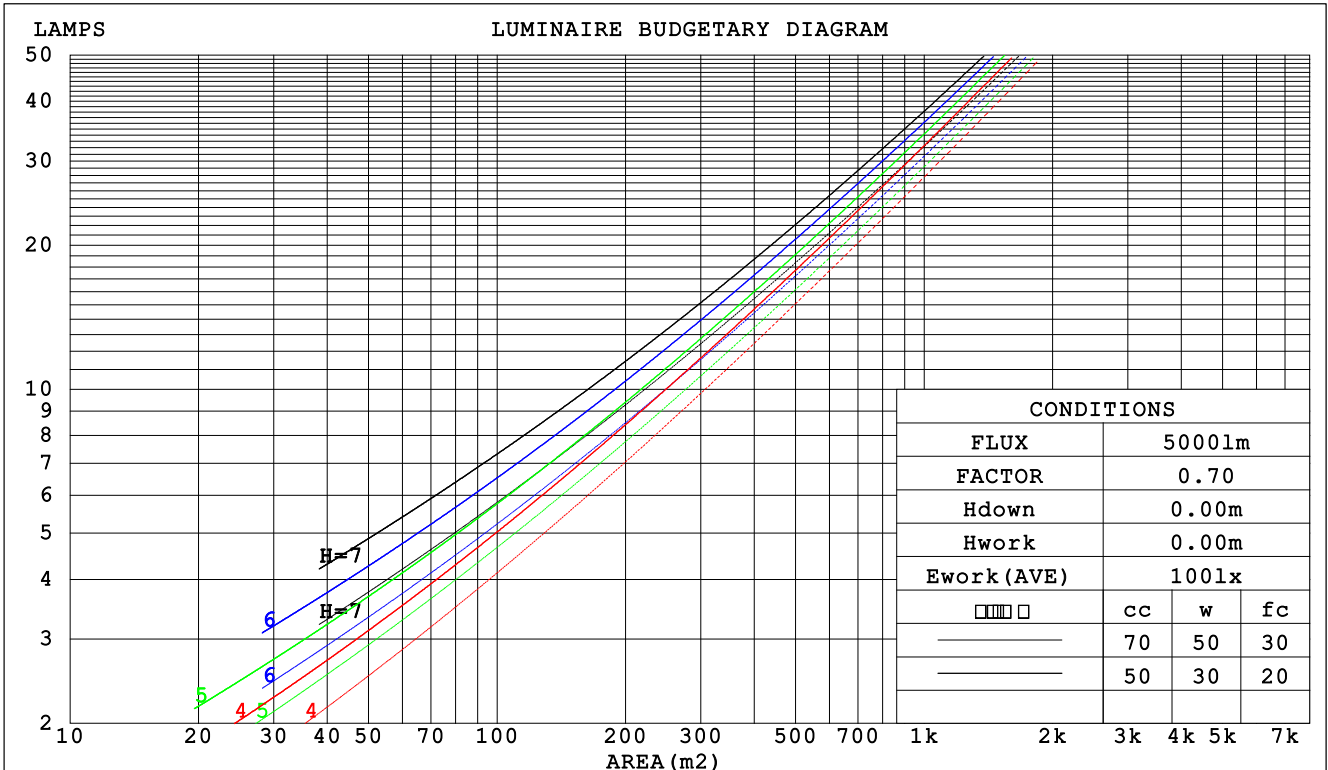
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*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	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.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	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

□ 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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*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	.314 .179 .057	.307 .175 .056	.294 .169 .054	.282 .163 .052	.271 .157 .051	
2.0	.295 .162 .050	.289 .159 .049	.277 .154 .048	.266 .149 .047	.256 .145 .046	
3.0	.272 .145 .043	.267 .143 .043	.257 .139 .042	.247 .135 .042	.238 .132 .041	
4.0	.251 .130 .038	.246 .129 .038	.237 .126 .038	.228 .123 .037	.221 .120 .036	
5.0	.232 .118 .034	.228 .117 .034	.219 .114 .034	.212 .112 .033	.205 .109 .033	
6.0	.215 .108 .031	.211 .107 .031	.204 .104 .030	.197 .102 .030	.191 .100 .030	
7.0	.200 .099 .028	.196 .098 .028	.190 .096 .028	.184 .094 .027	.178 .093 .027	
8.0	.187 .091 .026	.184 .090 .026	.178 .089 .025	.172 .087 .025	.167 .086 .025	
9.0	.175 .085 .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	.155 .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 .035	.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:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm										
NAME: BLP36W-60SQ					TYPE:36W			WEIGHT:		
SPEC.:4000K					DIM.:			SERIAL No.:		
MFR.:					SUR.:0.552*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	17.8	19.3	18.1	19.5	19.7	17.6	19.2	17.9	19.4	19.6
3H	19.4	20.8	19.7	21.0	21.3	19.1	20.5	19.4	20.8	21.0
4H	20.0	21.4	20.3	21.6	21.9	19.7	21.1	20.0	21.3	21.6
6H	20.5	21.8	20.9	22.1	22.3	20.1	21.4	20.5	21.7	22.0
8H	20.7	21.9	21.0	22.2	22.5	20.3	21.5	20.6	21.8	22.1
12H	20.8	22.0	21.2	22.3	22.6	20.3	21.5	20.7	21.8	22.1
4H 2H	18.4	19.7	18.7	20.0	20.2	18.3	19.6	18.6	19.9	20.1
3H	20.2	21.3	20.5	21.6	21.9	19.9	21.1	20.3	21.4	21.7
4H	20.9	22.0	21.3	22.3	22.7	20.7	21.7	21.0	22.1	22.4
6H	21.6	22.5	22.0	22.9	23.2	21.2	22.2	21.6	22.5	22.9
8H	21.8	22.7	22.2	23.1	23.4	21.4	22.3	21.8	22.7	23.0
12H	22.0	22.8	22.4	23.2	23.6	21.5	22.3	21.9	22.7	23.1
8H 4H	21.2	22.1	21.6	22.5	22.8	21.0	21.9	21.4	22.2	22.6
6H	22.0	22.7	22.4	23.1	23.6	21.7	22.4	22.1	22.8	23.2
8H	22.3	23.0	22.8	23.4	23.8	21.9	22.6	22.4	23.0	23.5
12H	22.6	23.1	23.0	23.6	24.1	22.1	22.7	22.6	23.1	23.6
12H 4H	21.2	22.0	21.6	22.4	22.8	21.0	21.8	21.4	22.2	22.6
6H	22.0	22.7	22.5	23.1	23.6	21.7	22.4	22.2	22.8	23.3
8H	22.4	23.0	22.9	23.4	23.9	22.0	22.6	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					+ 0.2 / - 0.3				

CIE Pub.117, 3862 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.7)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

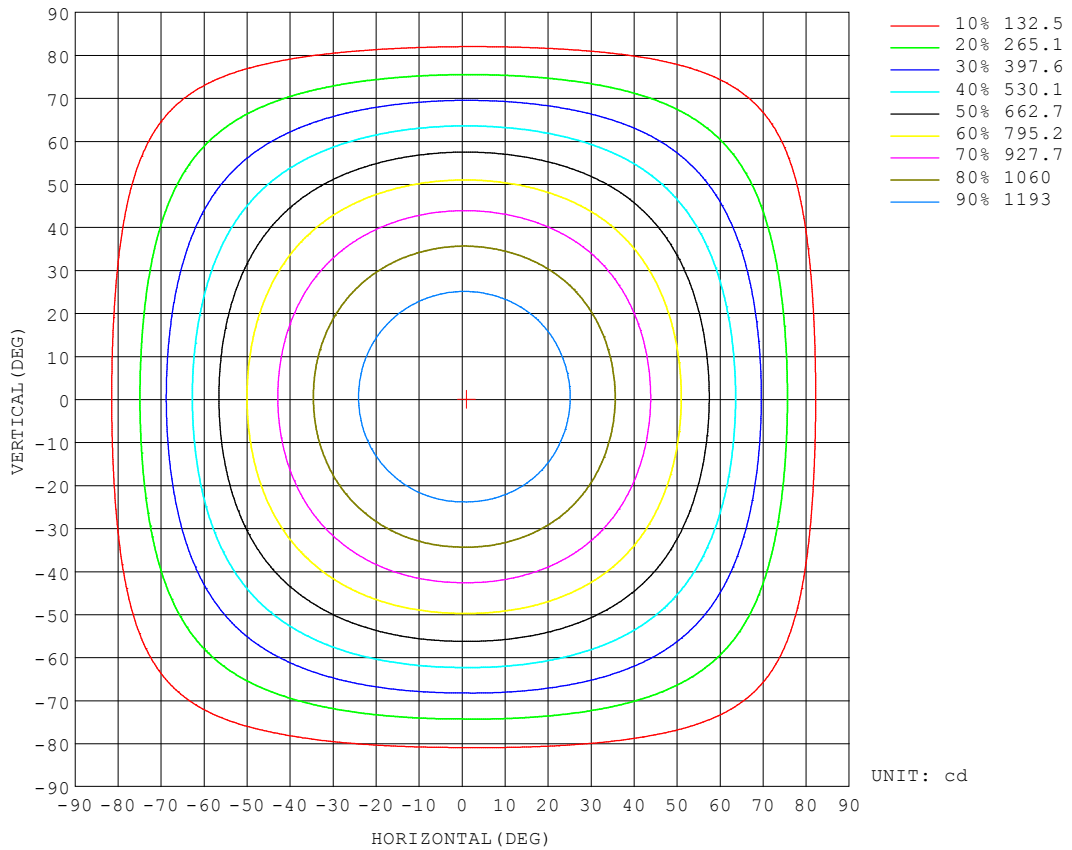
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	106	102	98	101	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:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

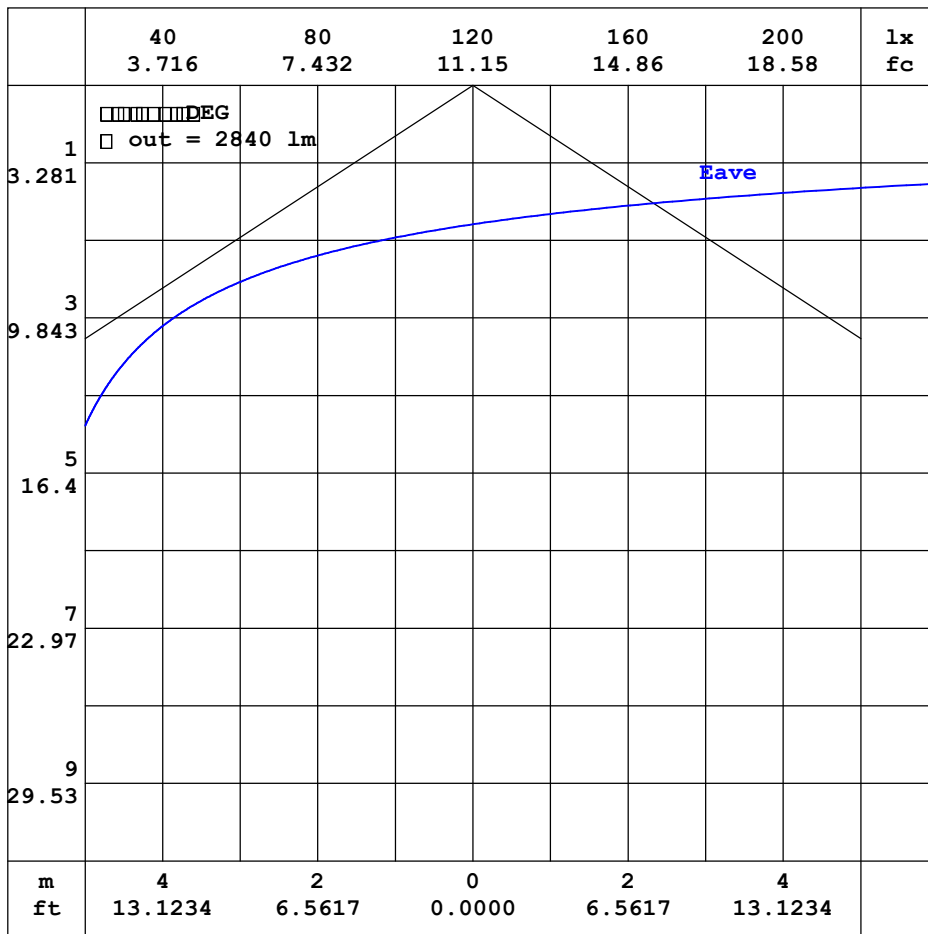


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:



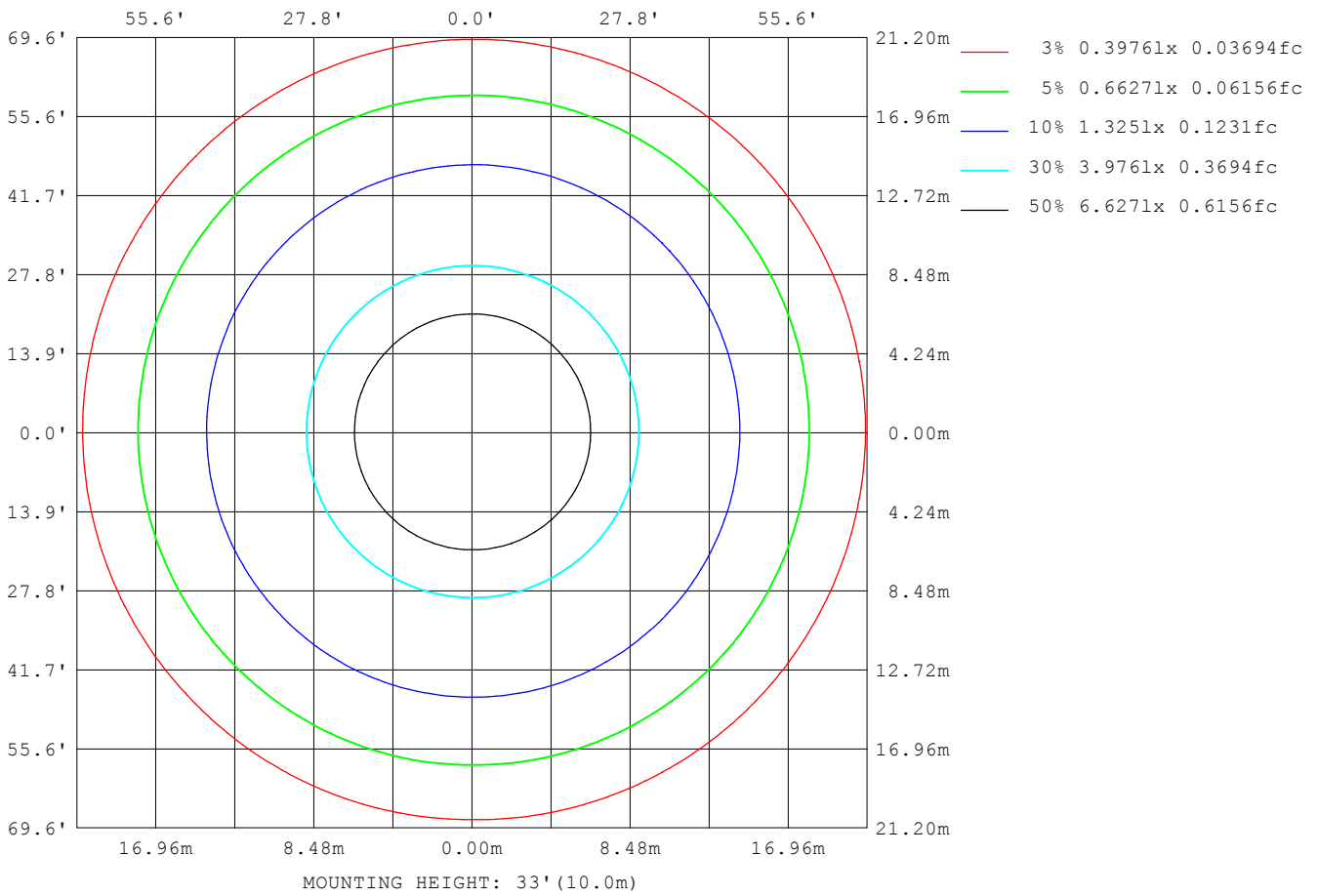
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

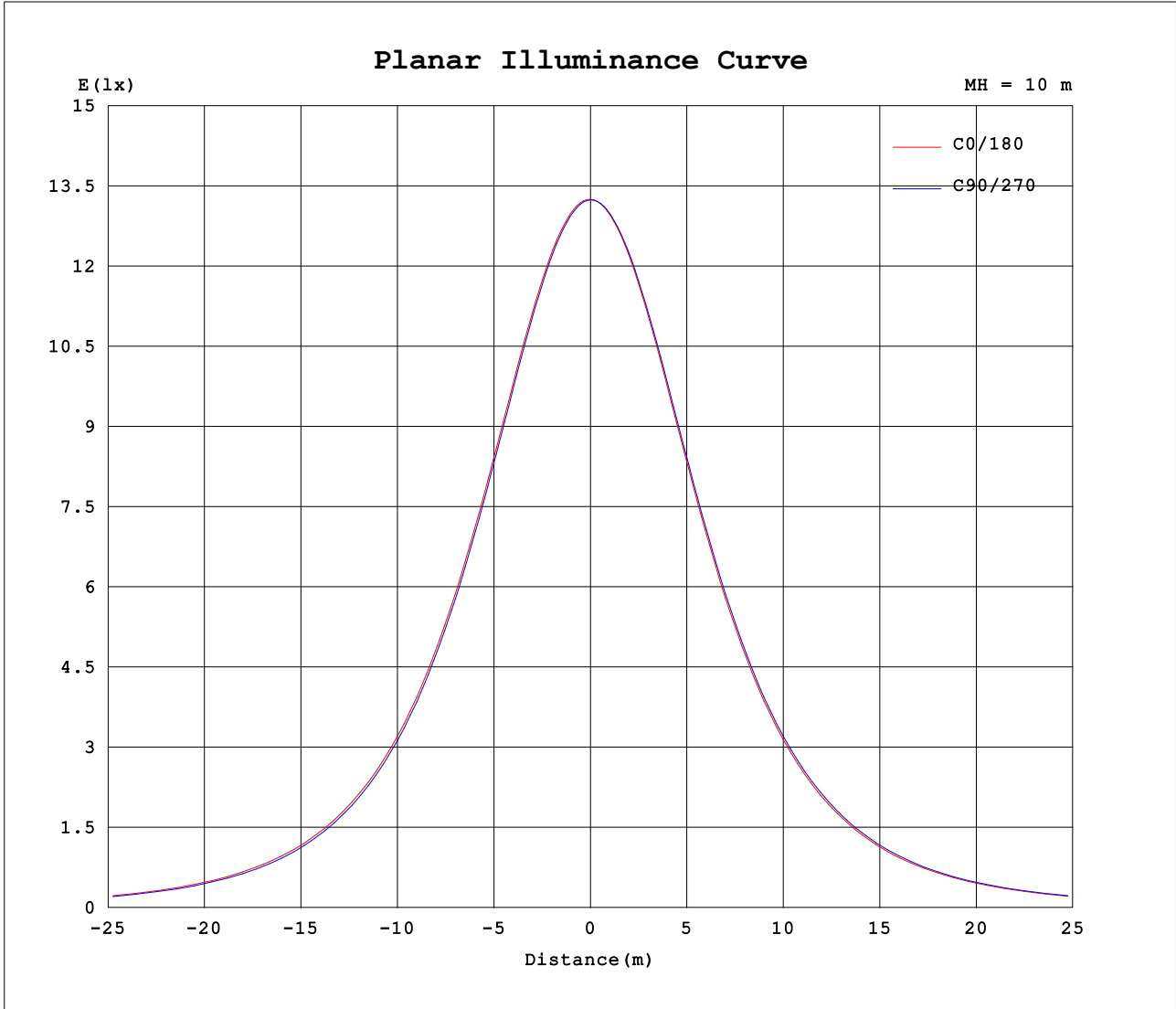
AvgL	cd/m2
L_0~180 (65) av	3802
L_0~180 (75) av	3435
L_0~180 (85) av	2821
L_90~270 (65) av	3757
L_90~270 (75) av	3328
L_90~270 (85) av	2625
L_45 (65) av	3777
L_45 (75) av	3370
L_45 (85) av	2647

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

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: 2020-08-29

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:240.60V I:0.1574A P:36.067W PF:0.9523 Freq:50.00Hz Lamp Flux:3861.63x1 lm		
NAME: BLP36W-60SQ	TYPE:36W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1325	1325	1324	1324	1325	1325	1324	1324										
5	1321	1319	1317	1317	1318	1319	1320	1320										
10	1305	1302	1299	1298	1301	1302	1305	1305										
15	1279	1275	1270	1269	1272	1274	1278	1279										
20	1242	1236	1230	1229	1232	1236	1241	1243										
25	1194	1188	1180	1179	1183	1187	1194	1196										
30	1137	1129	1120	1118	1123	1129	1136	1139										
35	1069	1061	1051	1049	1054	1061	1069	1072										
40	993	983	972	971	976	983	992	996										
45	908	898	885	884	890	898	908	912										
50	814	804	791	790	795	804	814	819										
55	714	703	689	688	695	704	714	718										
60	609	596	582	582	590	597	608	613										
65	500	486	471	472	481	487	498	503										
70	389	375	359	361	371	376	386	391										
75	279	265	250	253	263	266	275	280										
80	176	162	150	152	161	164	171	176										
85	81.4	69.0	61.5	60.7	68.5	70.7	78.0	81.0										
90	5.46	1.73	1.88	2.24	1.97	1.77	5.84	8.05										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-08-29

□ 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: