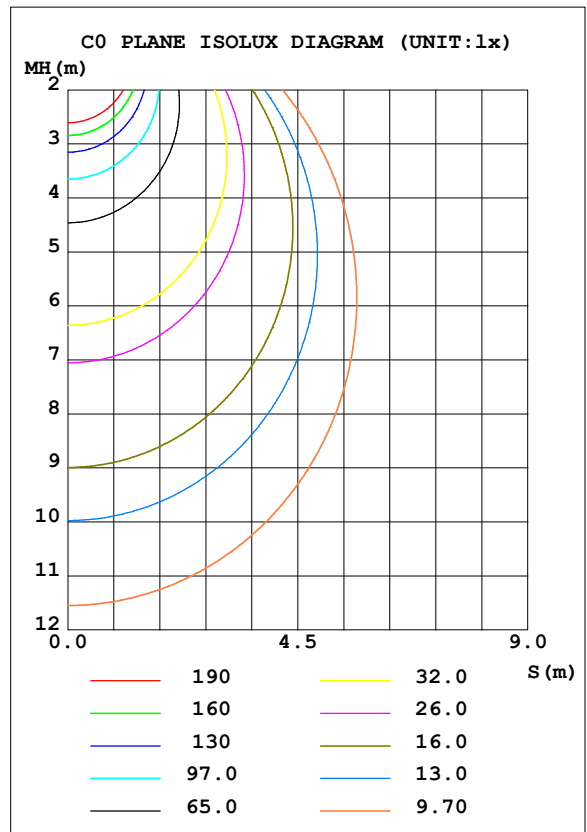
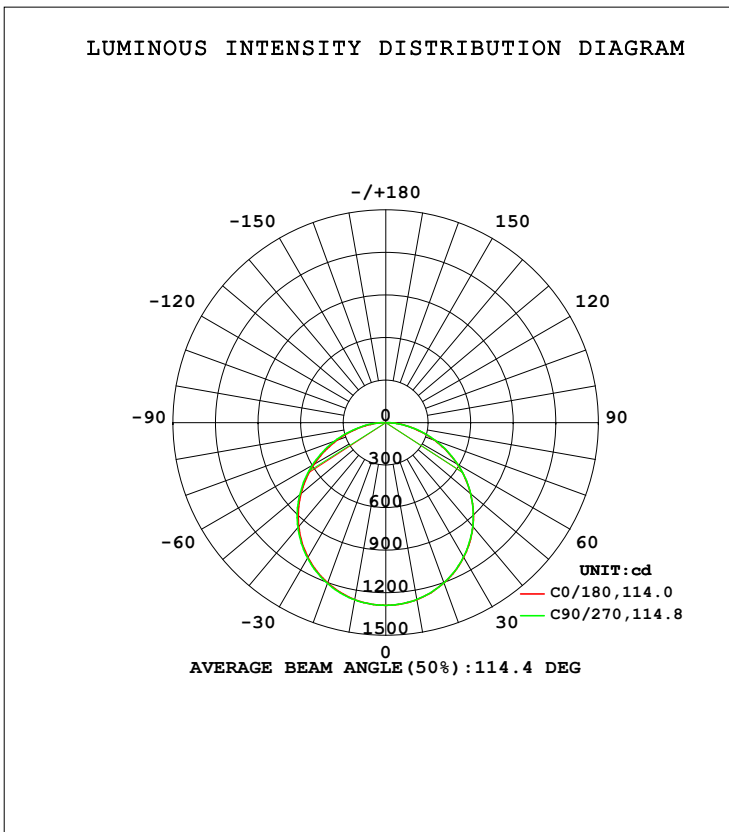


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.06 lm/W			
MODEL	BLP36W-60SQ-5K	Imax (cd)	1288	S/MH (C0/180)	1.27
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	3792.6	<input type="checkbox"/> UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	3792.58	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0, 49.7
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: 2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.900m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

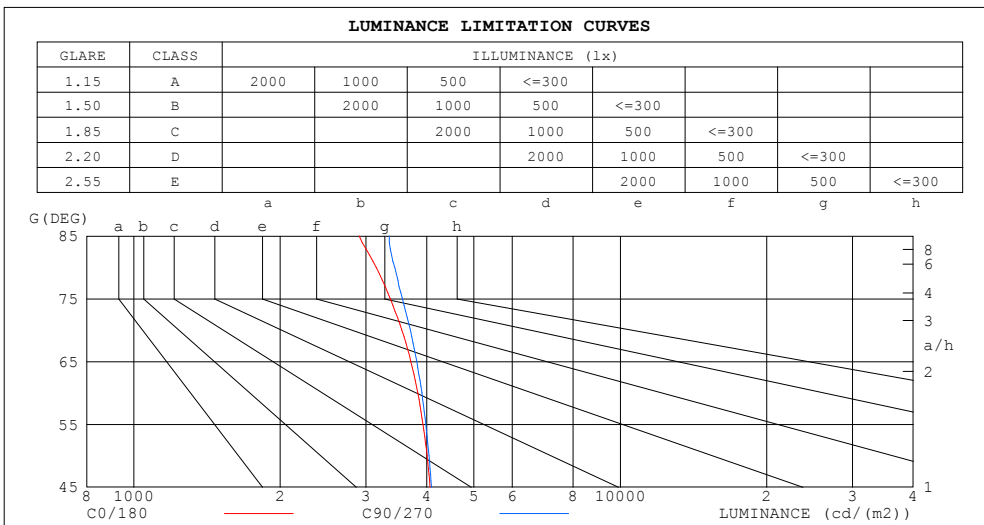
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1267	1268	1268	1268	1267	1265	1266	1266	0- 10	121.9	121.9	3.22,3.22
20	1202	1205	1206	1205	1203	1200	1200	1200	10- 20	350.0	472.0	12.4,12.4
30	1097	1103	1104	1102	1098	1095	1096	1095	20- 30	532.7	1005	26.5,26.5
40	955.7	962.9	964.8	962.6	956.2	953.2	954.9	953.5	30- 40	646.0	1651	43.5,43.5
50	781.6	791.2	793.4	790.8	781.9	779.1	782.2	780.1	40- 50	674.9	2326	61.3,61.3
60	582.2	593.2	596.5	592.2	581.5	580.2	585.2	581.7	50- 60	615.0	2941	77.5,77.5
70	369.2	381.2	386.3	380.1	369.0	367.8	375.4	369.4	60- 70	476.1	3417	90.1,90.1
80	166.0	174.9	182.1	174.1	165.4	163.8	171.3	164.9	70- 80	285.6	3702	97.6,97.6
90	12.77	15.58	15.44	13.80	11.64	11.91	10.99	10.75	80- 90	90.21	3793	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:2020-05-08

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2907	3353
80	3149	3437
75	3366	3567
70	3557	3701
65	3712	3816
60	3837	3910
55	3931	3983
50	4006	4045
45	4065	4092

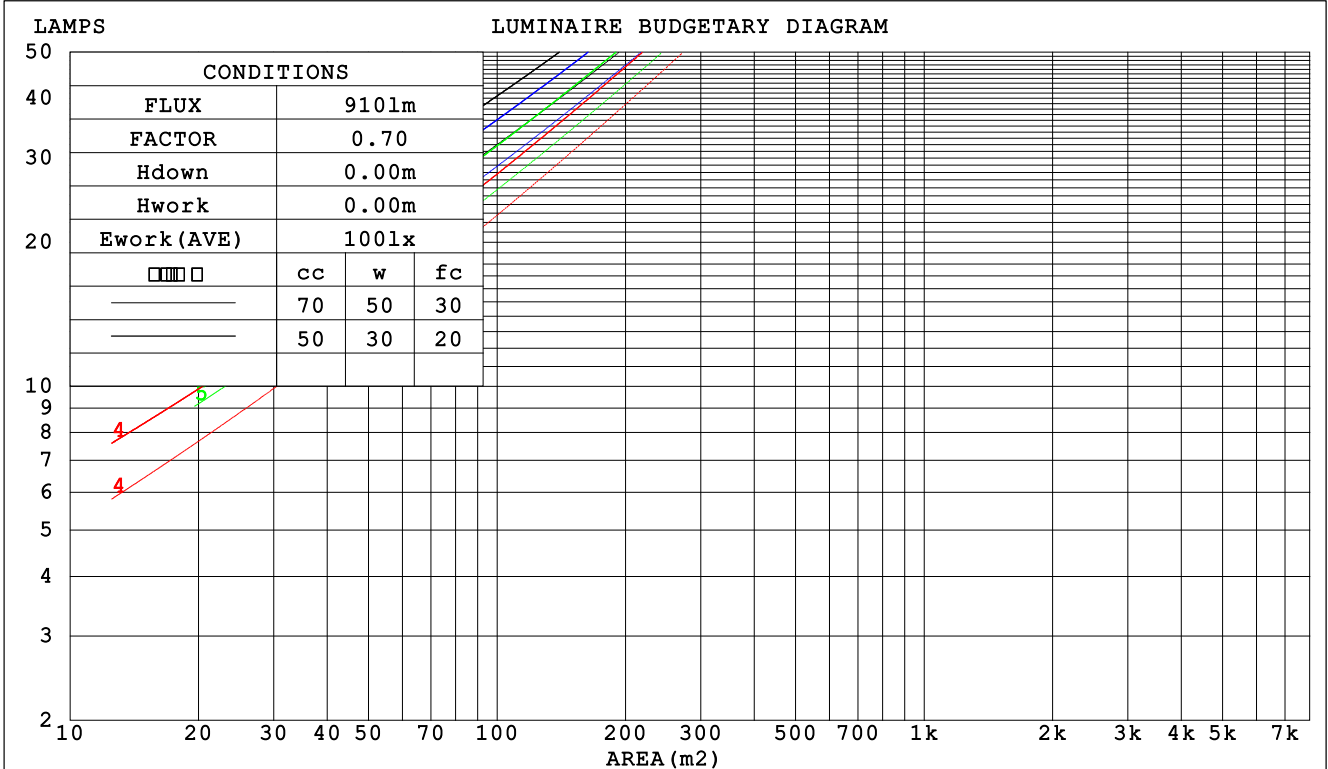
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	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	1.03	.99	.95	1.01	.97	.93	.97	.94	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	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	.319	.181	.057	.311	.178	.056	.298	.171	.055	.286	.165	.053	.275	.159	.051	
2.0	.298	.163	.050	.291	.160	.049	.280	.155	.048	.269	.151	.047	.259	.146	.046	
3.0	.274	.146	.044	.269	.144	.043	.258	.140	.043	.249	.136	.042	.240	.133	.041	
4.0	.252	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.120	.037	
5.0	.233	.119	.034	.229	.117	.034	.220	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.030	.198	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.191	.096	.028	.184	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.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	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.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	.011	.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	.130	.070	.029	.112	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.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:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm										
NAME: BLP36W-60SQ-5K					TYPE:36W			WEIGHT:1		
SPEC.:5000K					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	17.7	19.2	17.9	19.4	19.6	17.7	19.3	18.0	19.5	19.7
3H	19.2	20.7	19.5	20.9	21.1	19.3	20.8	19.6	21.0	21.2
4H	19.9	21.2	20.2	21.5	21.7	20.0	21.4	20.3	21.6	21.9
6H	20.4	21.6	20.7	21.9	22.2	20.6	21.8	20.9	22.1	22.4
8H	20.5	21.8	20.9	22.1	22.3	20.8	22.0	21.1	22.3	22.6
12H	20.6	21.8	21.0	22.1	22.4	20.9	22.1	21.3	22.4	22.7
4H 2H	18.3	19.7	18.6	19.9	20.2	18.4	19.7	18.7	20.0	20.2
3H	20.1	21.3	20.4	21.6	21.9	20.2	21.4	20.5	21.7	22.0
4H	20.8	21.9	21.2	22.3	22.6	21.0	22.1	21.4	22.4	22.7
6H	21.5	22.4	21.9	22.8	23.2	21.7	22.6	22.1	23.0	23.3
8H	21.7	22.6	22.1	23.0	23.4	21.9	22.8	22.3	23.2	23.6
12H	21.9	22.7	22.3	23.1	23.5	22.1	23.0	22.5	23.3	23.7
8H 4H	21.2	22.1	21.6	22.4	22.8	21.3	22.2	21.7	22.5	22.9
6H	22.0	22.7	22.4	23.1	23.5	22.1	22.9	22.6	23.3	23.7
8H	22.3	22.9	22.7	23.4	23.8	22.5	23.2	22.9	23.6	24.0
12H	22.5	23.1	23.0	23.6	24.0	22.8	23.4	23.3	23.8	24.3
12H 4H	21.2	22.0	21.6	22.4	22.8	21.3	22.1	21.7	22.5	22.9
6H	22.0	22.7	22.5	23.1	23.6	22.2	22.9	22.7	23.3	23.7
8H	22.4	23.0	22.9	23.4	23.9	22.6	23.2	23.1	23.6	24.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 3793 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.6)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

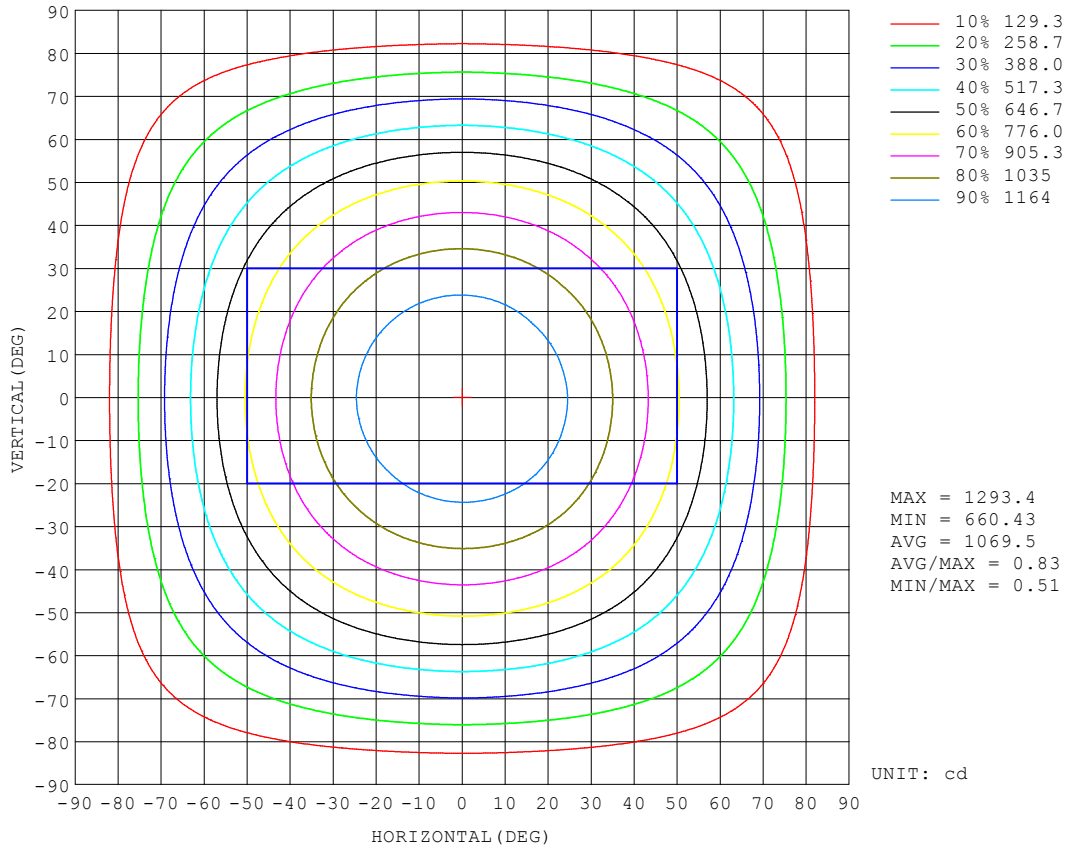
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
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:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

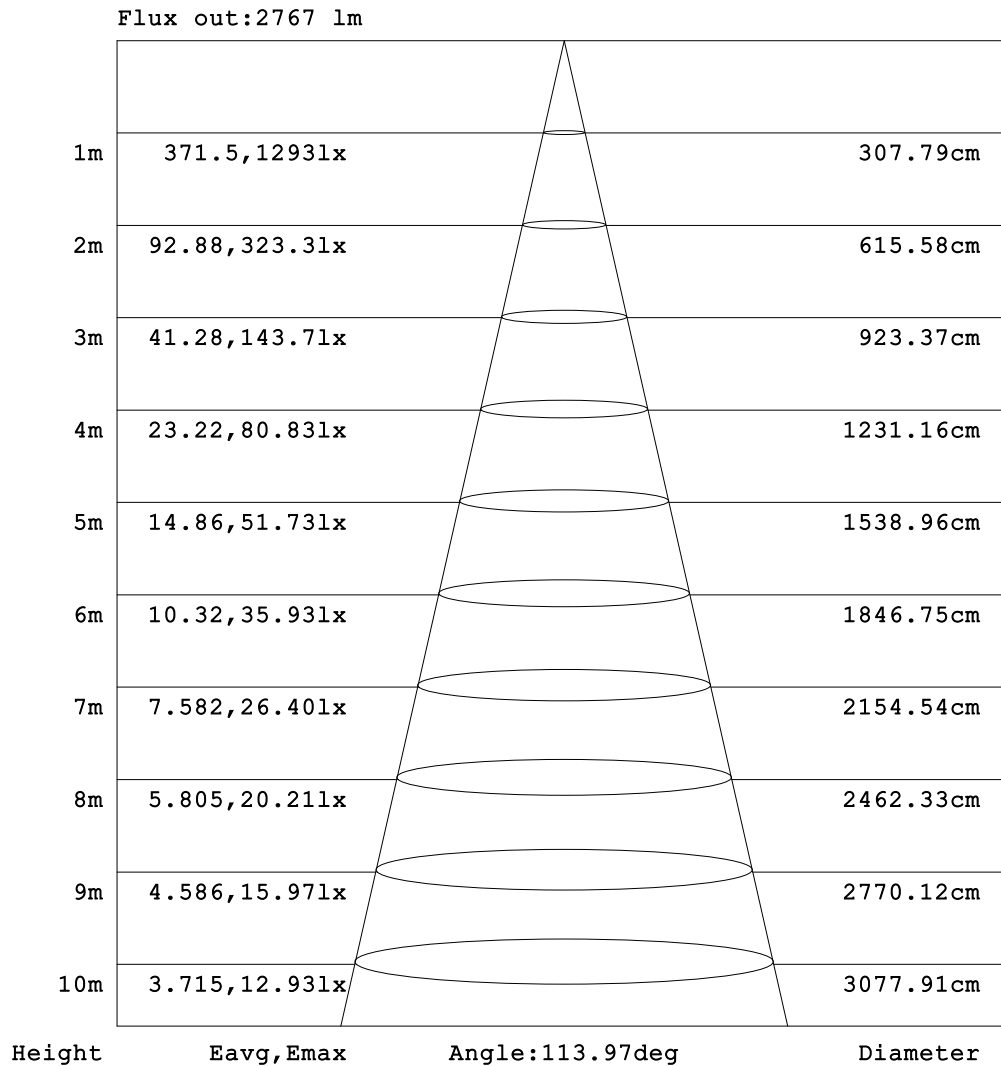


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

AAI Figure

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:



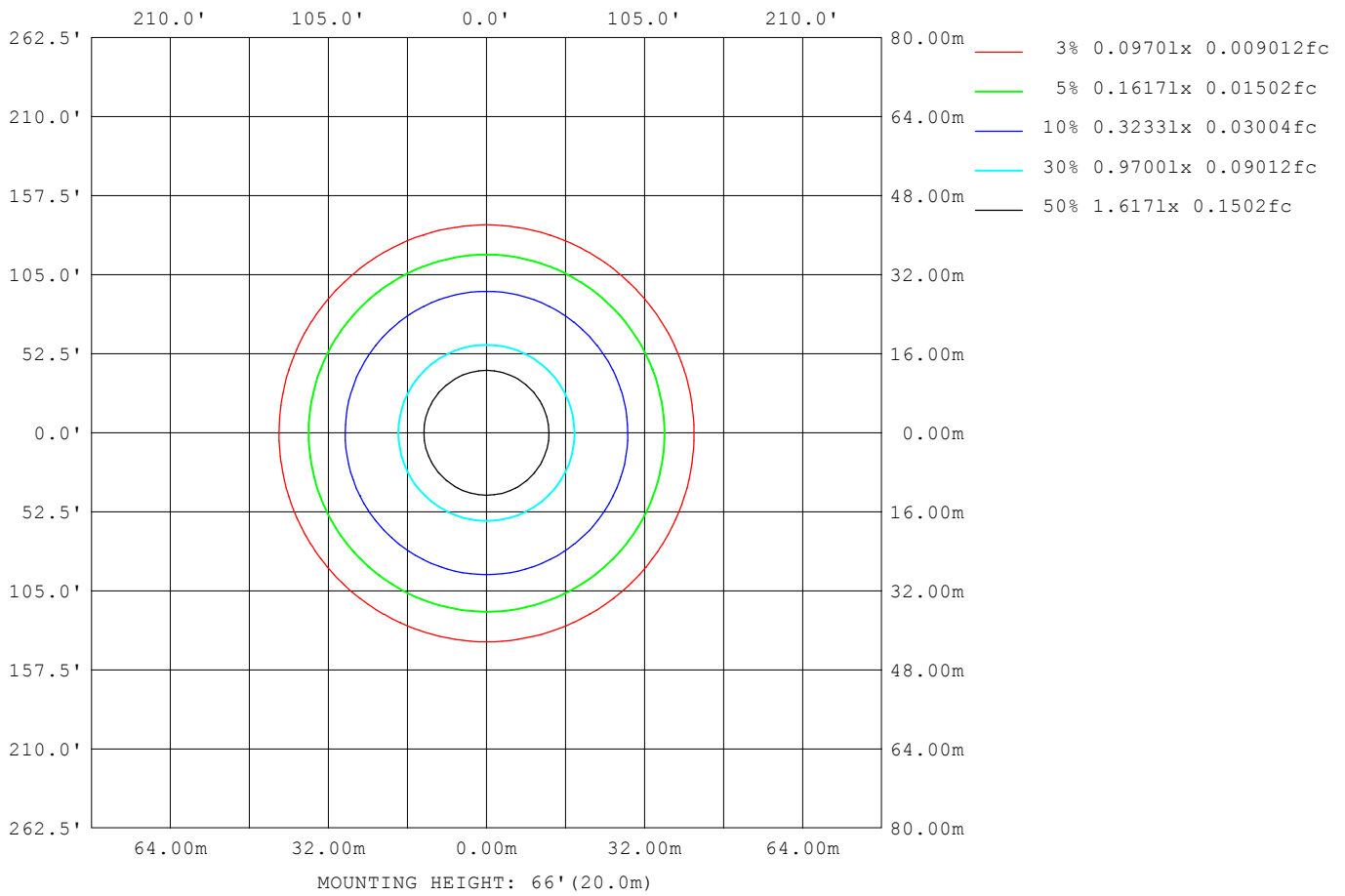
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	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:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:0.552*0.552	Shielding Angle:

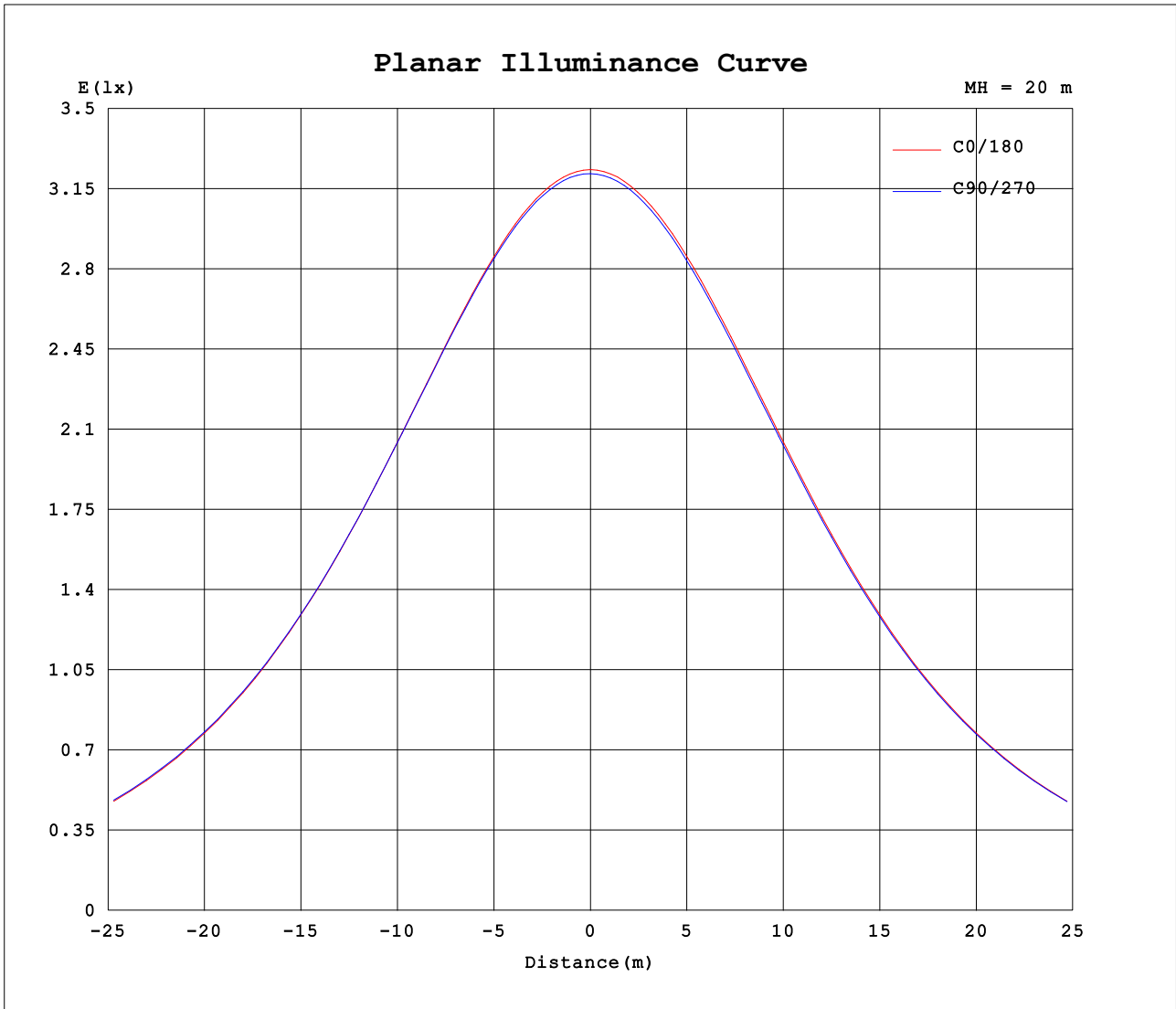
AvgL	cd/m2
L_0~180 (65) av	3695
L_0~180 (75) av	3351
L_0~180 (85) av	2885
L_90~270 (65) av	3777
L_90~270 (75) av	3505
L_90~270 (85) av	3168
L_45 (65) av	3738
L_45 (75) av	3415
L_45 (85) av	2937

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [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: 2020-05-08

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.61V I:0.1571A P:36.101W PF:0.9551 Freq:50.00Hz Lamp Flux:3792.58x1 lm		
NAME: BLP36W-60SQ-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	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	1288	1288	1288	1288	1288	1288	1288	1288											
5	1283	1284	1283	1283	1283	1282	1282	1282											
10	1267	1268	1268	1268	1267	1265	1266	1266											
15	1240	1242	1242	1242	1240	1238	1238	1238											
20	1202	1205	1206	1205	1203	1200	1200	1200											
25	1155	1159	1160	1159	1155	1152	1153	1153											
30	1097	1103	1104	1102	1098	1095	1096	1095											
35	1031	1037	1038	1037	1032	1028	1030	1029											
40	956	963	965	963	956	953	955	953											
45	872	881	883	880	873	870	872	871											
50	782	791	793	791	782	779	782	780											
55	684	695	697	694	684	682	686	683											
60	582	593	597	592	582	580	585	582											
65	476	488	492	487	476	475	481	476											
70	369	381	386	380	369	368	375	369											
75	264	276	282	275	264	263	271	264											
80	166	175	182	174	165	164	171	165											
85	76.9	82.6	89.2	82.0	76.3	73.3	79.1	74.1											
90	12.8	15.6	15.4	13.8	11.6	11.9	11.0	10.7											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-05-08

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.900m [K=1.0000]
 Remarks: