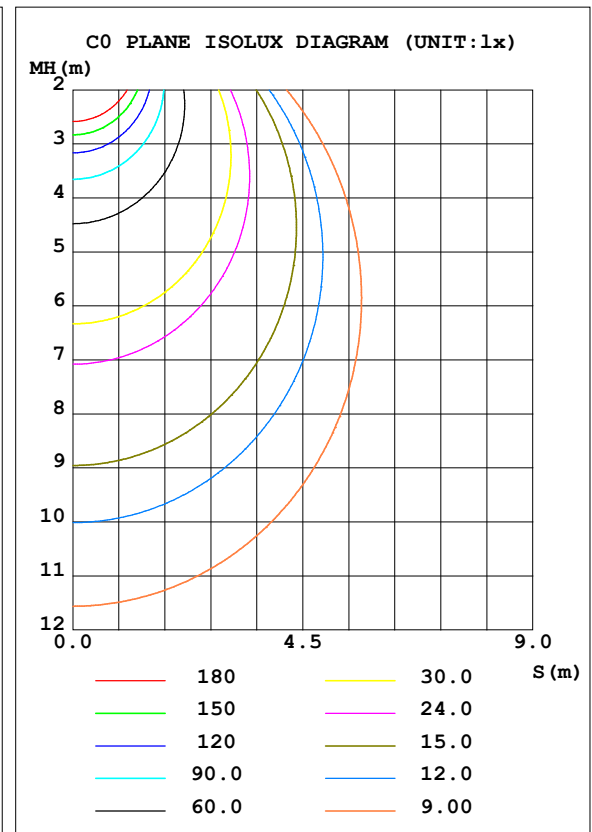
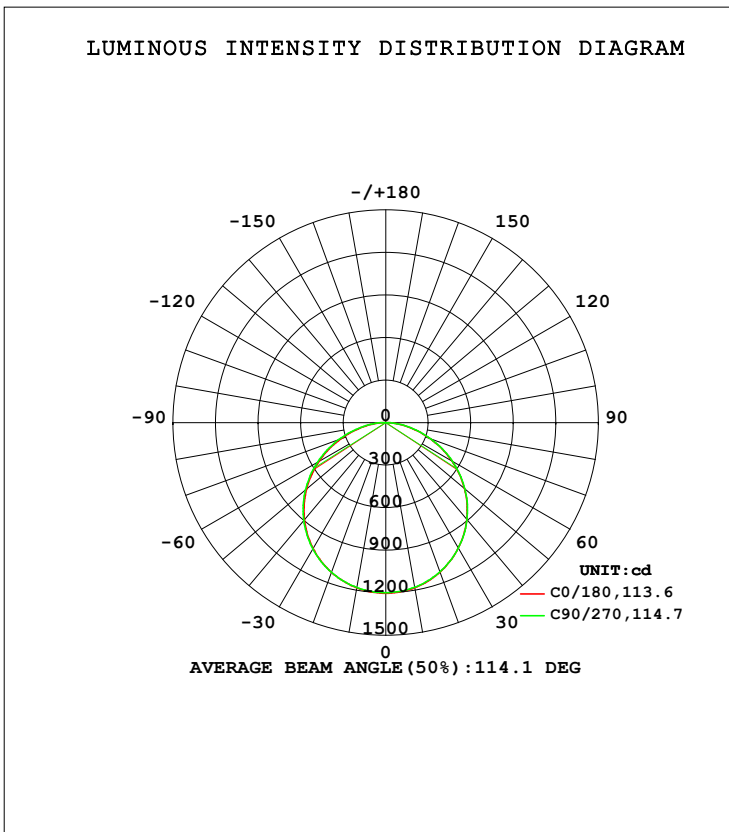


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	BLP36W-12030-CC 3000K	Imax (cd)	1203	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)	3506.4	<input type="checkbox"/> UP, DN (C0-180)	0.0, 49.7
NOMINAL FLUX (lm)	3506.41	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: 2021-10-12

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:

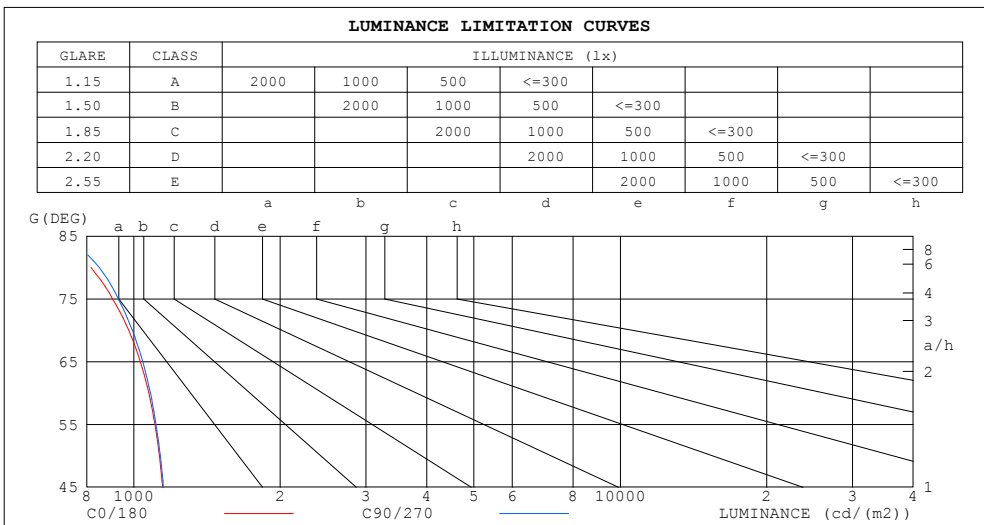
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1182	1180	1178	1178	1183	1181	1180	1178	0- 10	113.6	113.6	3.24,3.24
20	1121	1121	1119	1119	1123	1122	1123	1119	10- 20	326.1	439.7	12.5,12.5
30	1023	1023	1023	1022	1025	1026	1029	1023	20- 30	496.4	936.2	26.7,26.7
40	889.7	891.5	891.5	891.0	893.0	895.4	899.7	892.1	30- 40	602.3	1538	43.9,43.9
50	725.6	728.2	728.8	728.7	729.7	733.8	739.7	730.4	40- 50	628.8	2167	61.8,61.8
60	536.8	539.2	541.2	540.6	540.9	546.4	554.1	543.7	50- 60	571.1	2738	78.1,78.1
70	334.1	337.2	339.7	339.2	339.2	345.3	355.3	342.8	60- 70	438.1	3176	90.6,90.6
80	141.7	142.9	147.4	145.8	146.2	152.8	161.0	150.4	70- 80	256.4	3433	97.9,97.9
90	1.791	1.869	1.876	1.905	2.111	3.809	3.163	2.419	80- 90	73.62	3506	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:2021-10-12

□ 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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	688	711
80	816	849
75	904	929
70	977	993
65	1031	1043
60	1074	1082
55	1105	1111
50	1129	1134
45	1147	1151

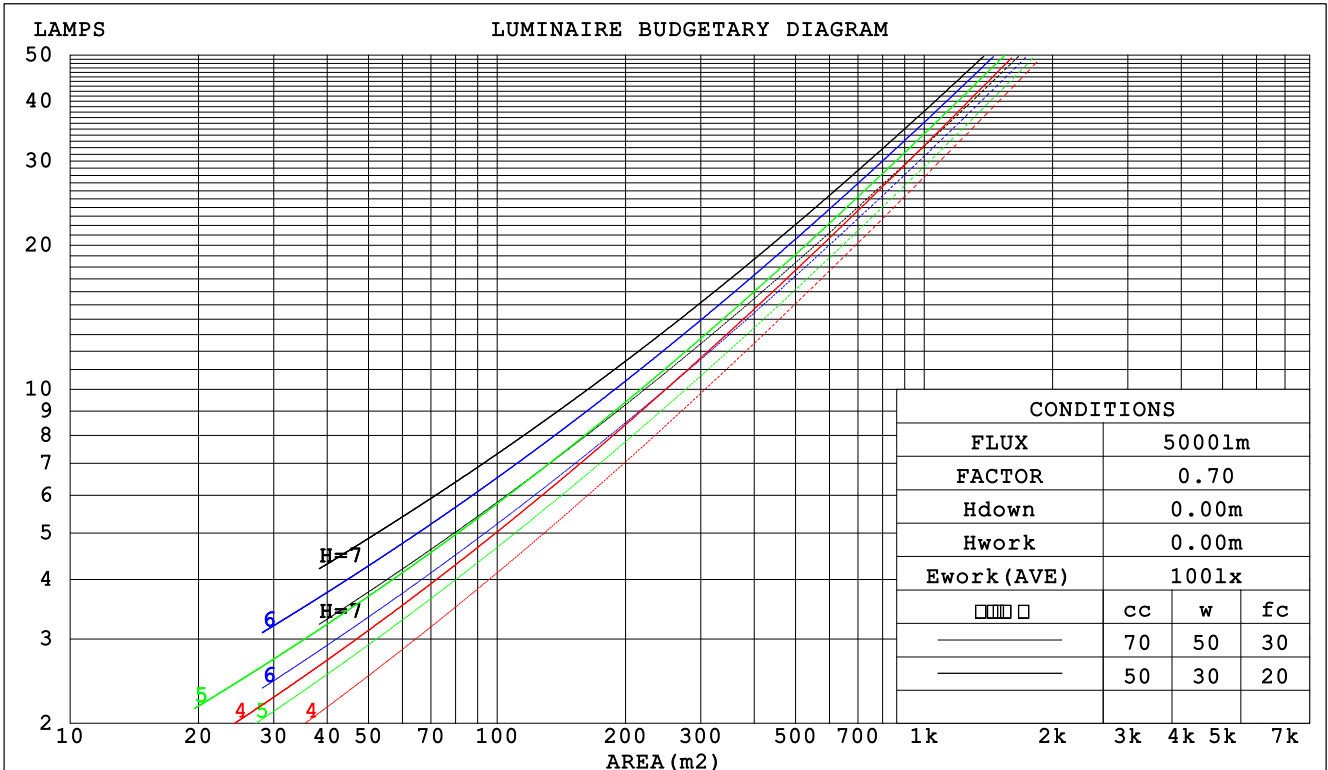
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	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	.46	.61	.53	.46	.59	.51	.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	.31	.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:2021-10-12

□ 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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	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	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
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	.197	.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	.083	.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	.118	.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:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm										
NAME: BLP36W-12030-CC 3000K					TYPE:36W			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:1		
MFR.:					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	13.2	14.7	13.5	15.0	15.2	13.2	14.8	13.5	15.0	15.2
3H	14.7	16.2	15.0	16.4	16.6	14.8	16.2	15.1	16.4	16.7
4H	15.3	16.7	15.7	16.9	17.2	15.4	16.7	15.7	17.0	17.3
6H	15.8	17.0	16.1	17.3	17.6	15.9	17.1	16.2	17.4	17.7
8H	15.9	17.1	16.2	17.4	17.7	16.0	17.2	16.3	17.5	17.8
12H	16.0	17.2	16.3	17.5	17.8	16.1	17.3	16.4	17.6	17.9
4H 2H	13.8	15.2	14.1	15.4	15.7	13.9	15.2	14.2	15.5	15.7
3H	15.5	16.7	15.9	17.0	17.3	15.6	16.8	15.9	17.1	17.4
4H	16.3	17.3	16.6	17.7	18.0	16.3	17.4	16.7	17.7	18.1
6H	16.8	17.8	17.2	18.1	18.5	16.9	17.9	17.3	18.2	18.6
8H	17.0	17.9	17.4	18.3	18.7	17.1	18.0	17.5	18.4	18.8
12H	17.1	18.0	17.6	18.3	18.7	17.2	18.1	17.7	18.4	18.8
8H 4H	16.5	17.4	16.9	17.8	18.2	16.6	17.5	17.0	17.9	18.2
6H	17.2	18.0	17.7	18.4	18.8	17.3	18.1	17.8	18.5	18.9
8H	17.5	18.2	18.0	18.6	19.1	17.6	18.3	18.1	18.7	19.1
12H	17.7	18.3	18.2	18.7	19.2	17.8	18.4	18.3	18.8	19.3
12H 4H	16.5	17.4	17.0	17.8	18.2	16.6	17.4	17.0	17.8	18.2
6H	17.3	18.0	17.8	18.4	18.8	17.4	18.0	17.8	18.5	18.9
8H	17.6	18.2	18.1	18.6	19.1	17.7	18.3	18.2	18.7	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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, 3506 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.4)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

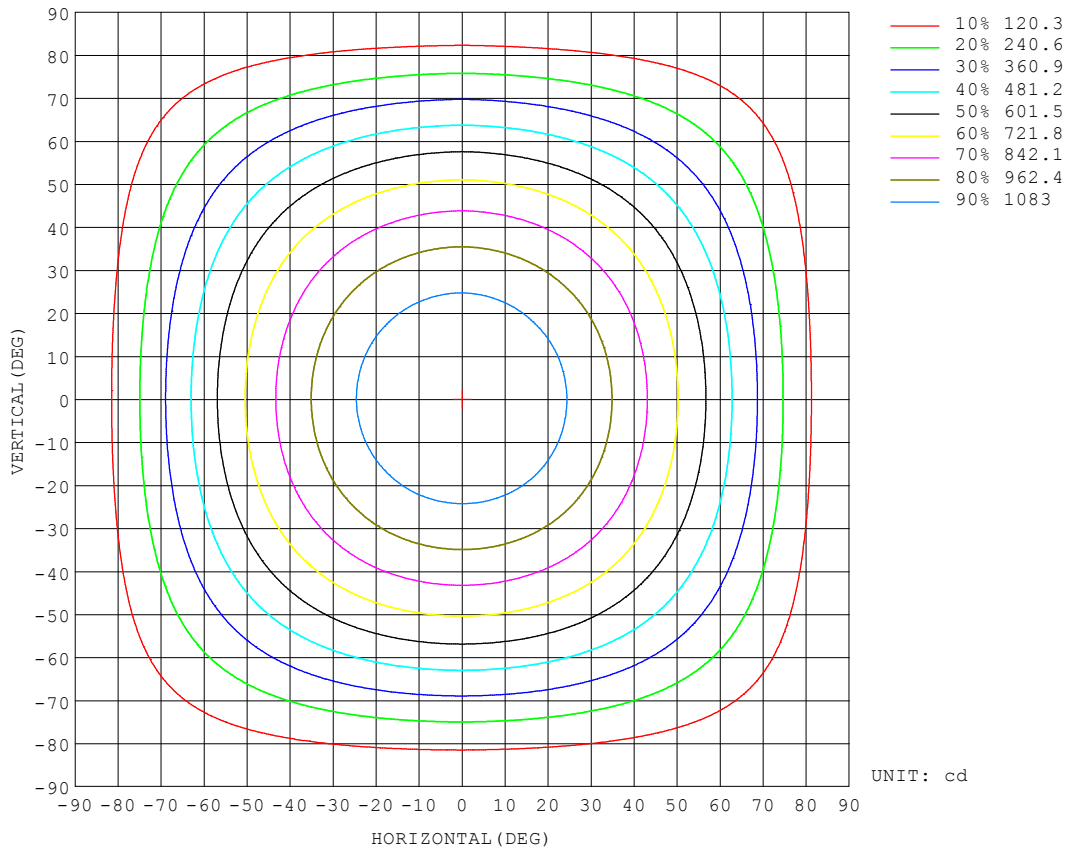
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	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:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

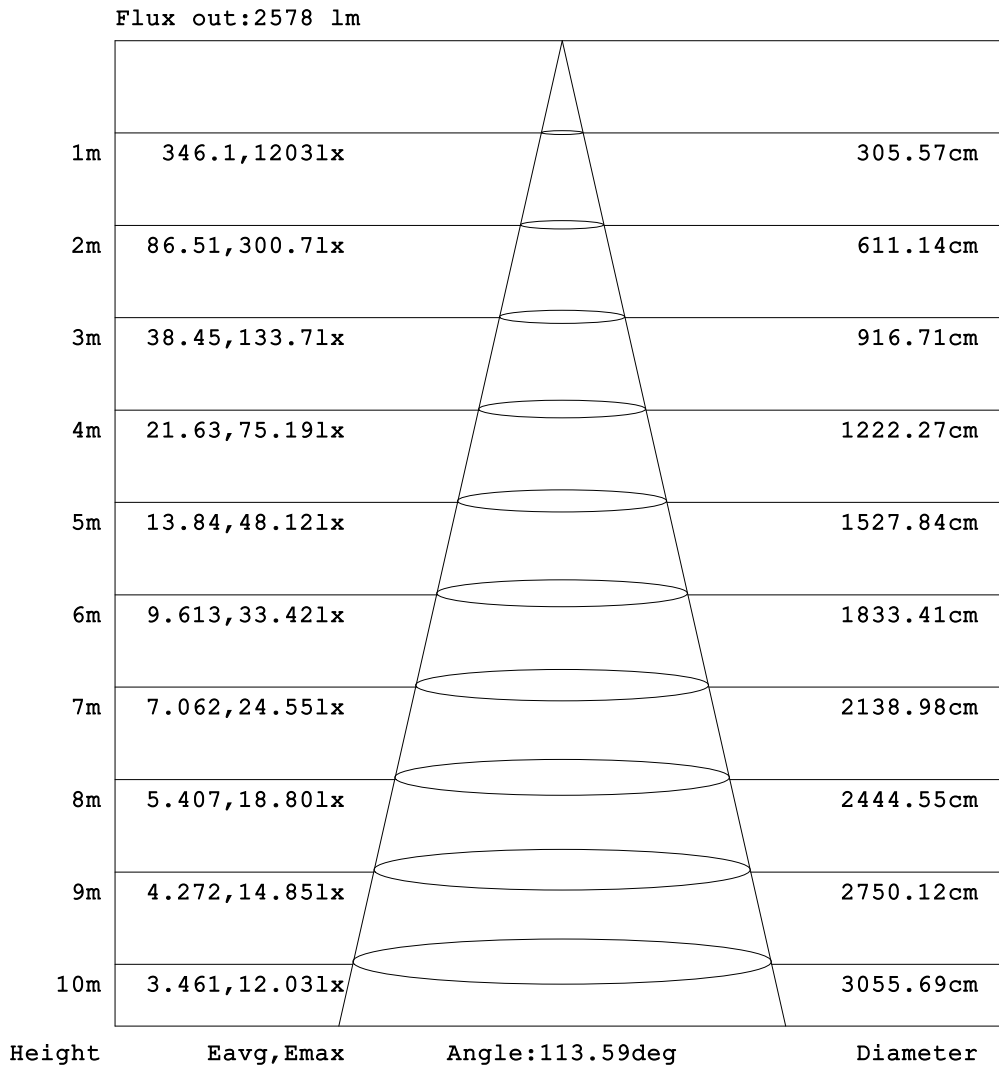


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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 Figure

Test:U:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



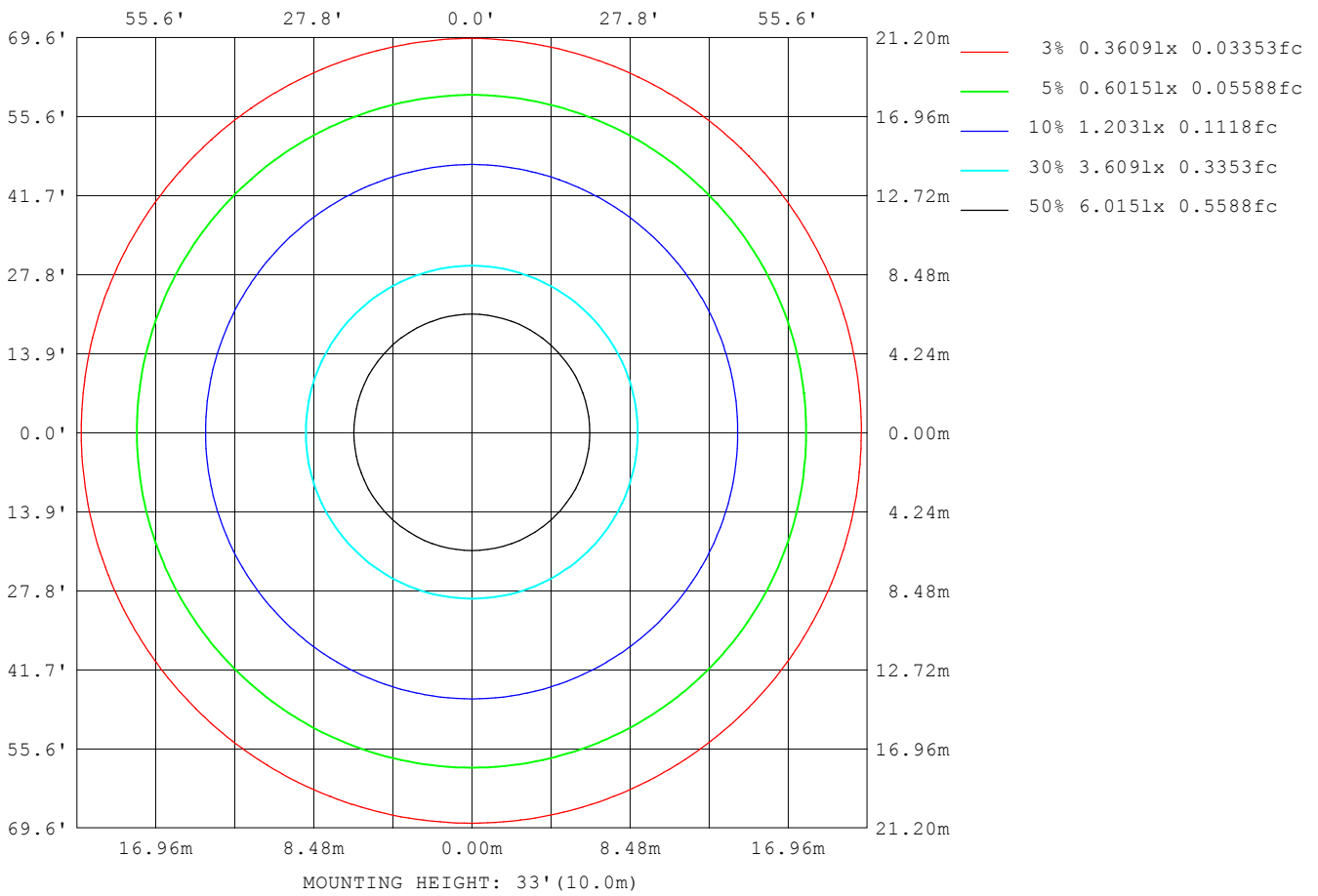
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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:240.19V I:0.1655A P:38.045W PF:0.9571 Freq:50.00Hz Lamp Flux:3506.41x1 lm		
NAME: BLP36W-12030-CC 3000K	TYPE:36W	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

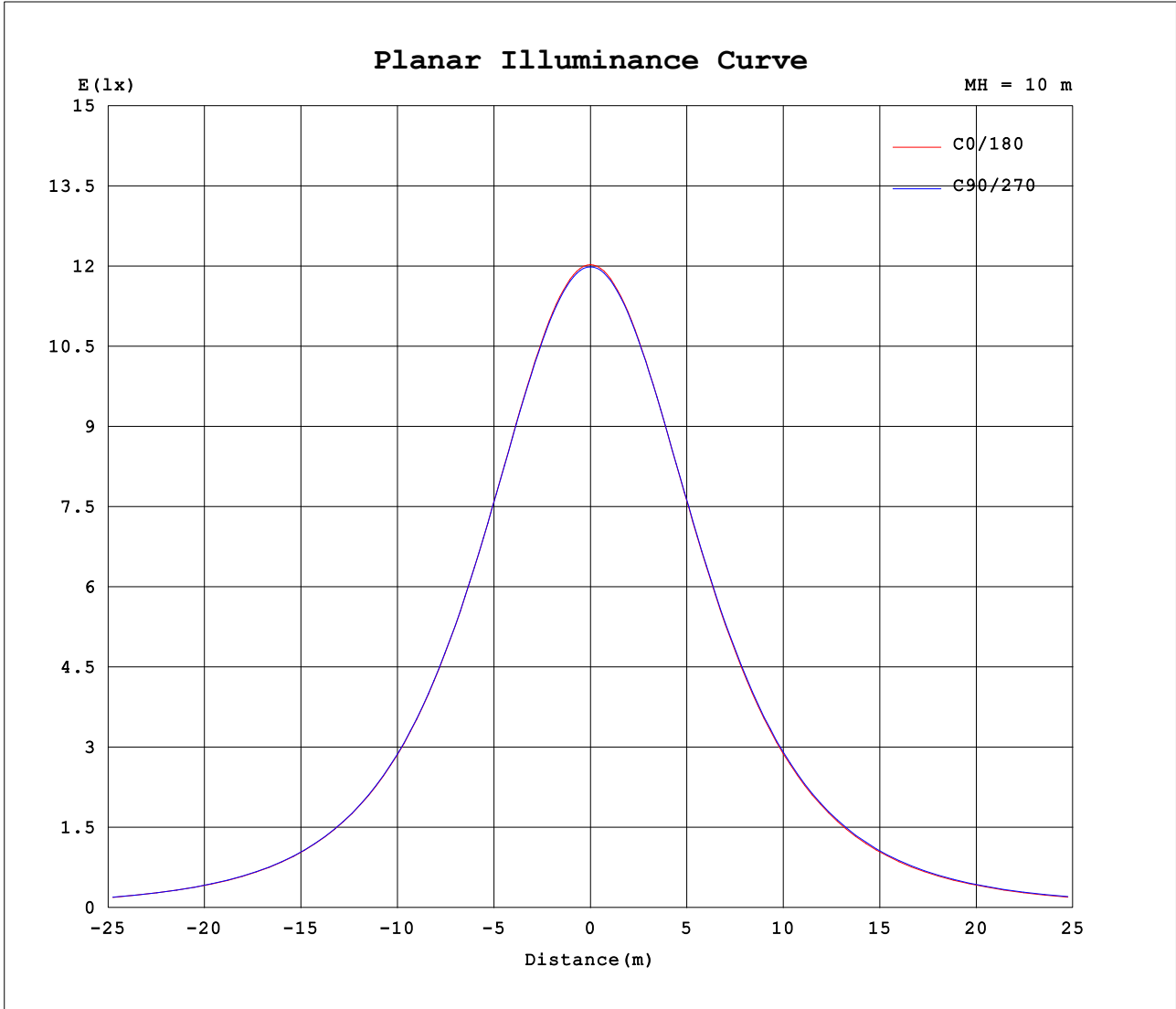
AvgL	cd/m2
L_0~180 (65) av	1038
L_0~180 (75) av	914
L_0~180 (85) av	712
L_90~270 (65) av	1061
L_90~270 (75) av	959
L_90~270 (85) av	782
L_45 (65) av	1047
L_45 (75) av	932
L_45 (85) av	731

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-10-12

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: 2021-10-12

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:

