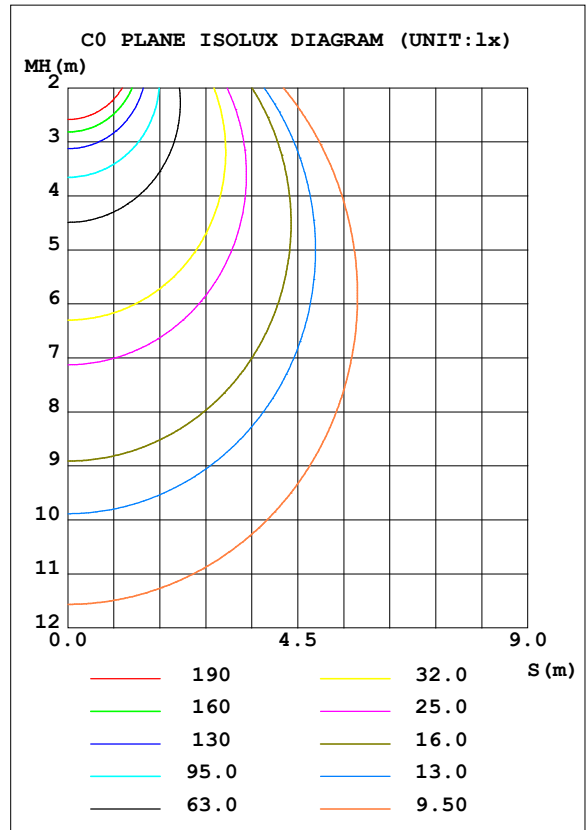
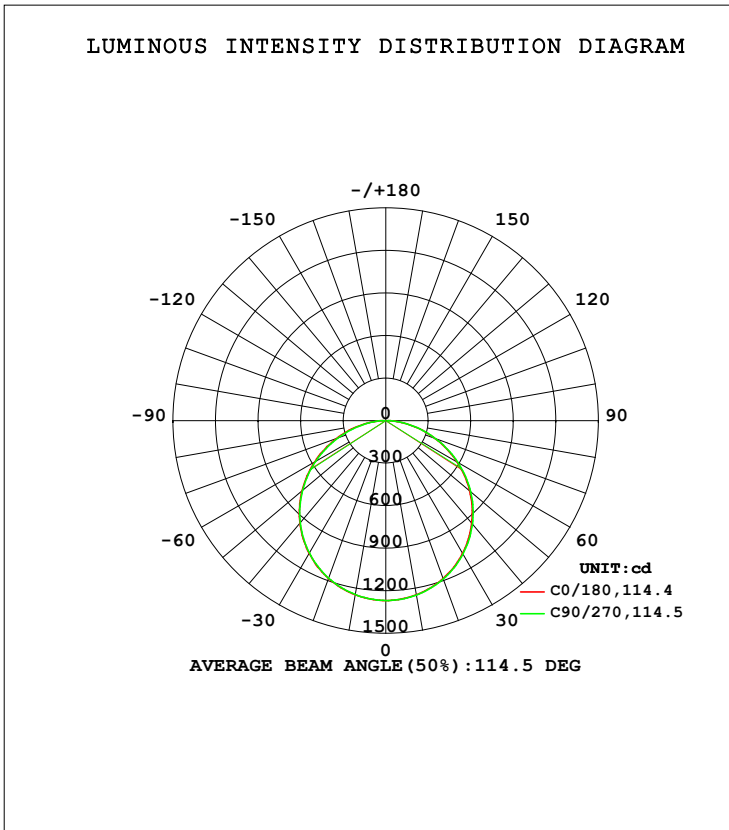


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	BLP36W-120/30-5K	Imax (cd)	1268	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)	3737.6	<input type="checkbox"/> UP, DN (C0-180)	0.0, 49.7
NOMINAL FLUX (lm)	3737.58	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: 2020-05-08

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:

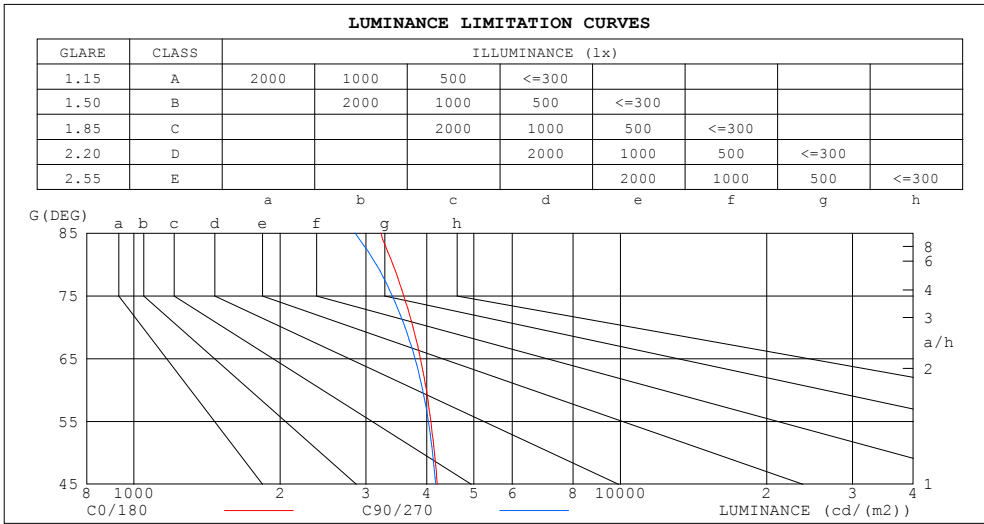
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1247	1246	1245	1246	1247	1248	1249	1248	0- 10	120.0	120.0	3.21,3.21
20	1184	1183	1181	1183	1185	1187	1188	1186	10- 20	344.6	464.6	12.4,12.4
30	1081	1080	1078	1080	1082	1086	1088	1085	20- 30	524.7	989.3	26.5,26.5
40	942.7	940.8	939.0	941.5	943.5	948.5	951.0	947.4	30- 40	636.6	1626	43.5,43.5
50	772.3	769.8	767.4	770.5	772.8	778.5	782.1	777.4	40- 50	665.3	2291	61.3,61.3
60	578.2	574.2	569.5	574.6	578.4	583.8	586.7	582.7	50- 60	606.4	2898	77.5,77.5
70	371.4	365.4	358.6	365.4	371.9	374.2	376.1	372.9	60- 70	469.6	3367	90.1,90.1
80	171.4	163.2	158.9	162.9	170.7	171.3	171.7	170.0	70- 80	281.3	3648	97.6,97.6
90	14.00	12.56	10.87	12.52	12.72	14.67	12.13	14.69	80- 90	89.09	3738	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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3223	2849
80	3409	3151
75	3590	3396
70	3750	3611
65	3883	3786
60	3993	3924
55	4079	4031
50	4149	4113
45	4205	4175

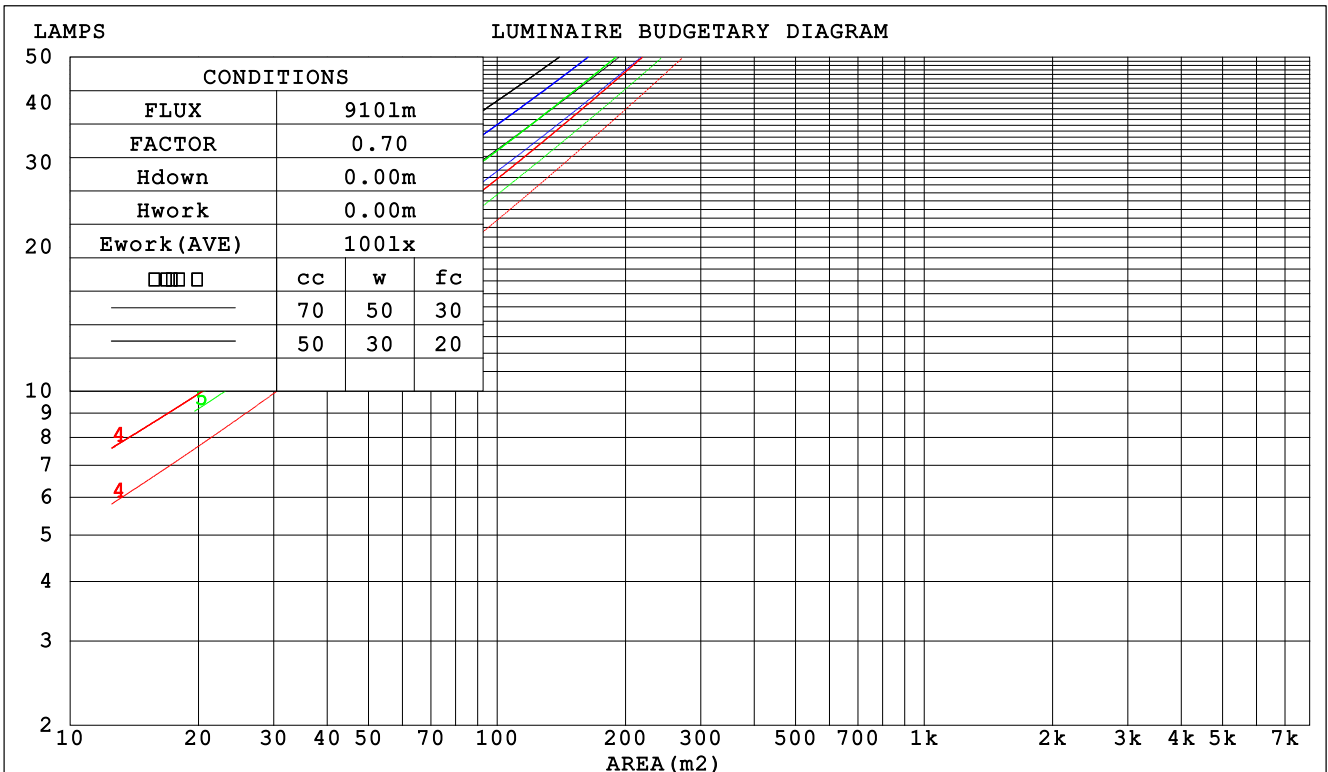
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-05-08

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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	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	1.03	.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	.76	.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	.32
8.0	.46	.37	.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	.23



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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	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	.312	.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	.121	.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	.201	.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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm										
NAME: BLP36W-120/30-5K					TYPE:36W			WEIGHT:1		
SPEC.:5000K					DIM.:			SERIAL No.:		
MFR.:					SUR.:1.152*0.252			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	18.0	19.5	19.7	17.7	19.2	18.0	19.4	19.6
3H	19.4	20.8	19.6	21.0	21.2	19.2	20.7	19.5	20.9	21.1
4H	20.0	21.4	20.3	21.6	21.9	19.9	21.2	20.2	21.5	21.7
6H	20.5	21.8	20.9	22.1	22.4	20.3	21.6	20.7	21.9	22.2
8H	20.7	22.0	21.1	22.2	22.5	20.5	21.7	20.8	22.0	22.3
12H	20.8	22.0	21.2	22.3	22.6	20.6	21.8	21.0	22.1	22.4
4H 2H	18.4	19.7	18.7	20.0	20.2	18.3	19.7	18.6	19.9	20.2
3H	20.2	21.3	20.5	21.6	21.9	20.1	21.3	20.4	21.6	21.9
4H	21.0	22.0	21.3	22.4	22.7	20.8	21.9	21.2	22.2	22.6
6H	21.6	22.6	22.0	22.9	23.3	21.4	22.4	21.8	22.8	23.1
8H	21.8	22.8	22.3	23.1	23.5	21.6	22.6	22.1	22.9	23.3
12H	22.0	22.9	22.5	23.2	23.7	21.8	22.6	22.2	23.0	23.4
8H 4H	21.2	22.1	21.6	22.5	22.9	21.1	22.0	21.5	22.4	22.8
6H	22.0	22.8	22.5	23.2	23.6	21.9	22.6	22.3	23.0	23.5
8H	22.4	23.1	22.8	23.5	23.9	22.2	22.9	22.7	23.3	23.7
12H	22.7	23.2	23.1	23.7	24.2	22.4	23.0	22.9	23.5	23.9
12H 4H	21.3	22.1	21.7	22.5	22.9	21.1	22.0	21.6	22.4	22.8
6H	22.1	22.8	22.6	23.2	23.7	22.0	22.6	22.4	23.1	23.5
8H	22.5	23.1	23.0	23.5	24.0	22.3	22.9	22.8	23.3	23.8
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, 3738 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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:

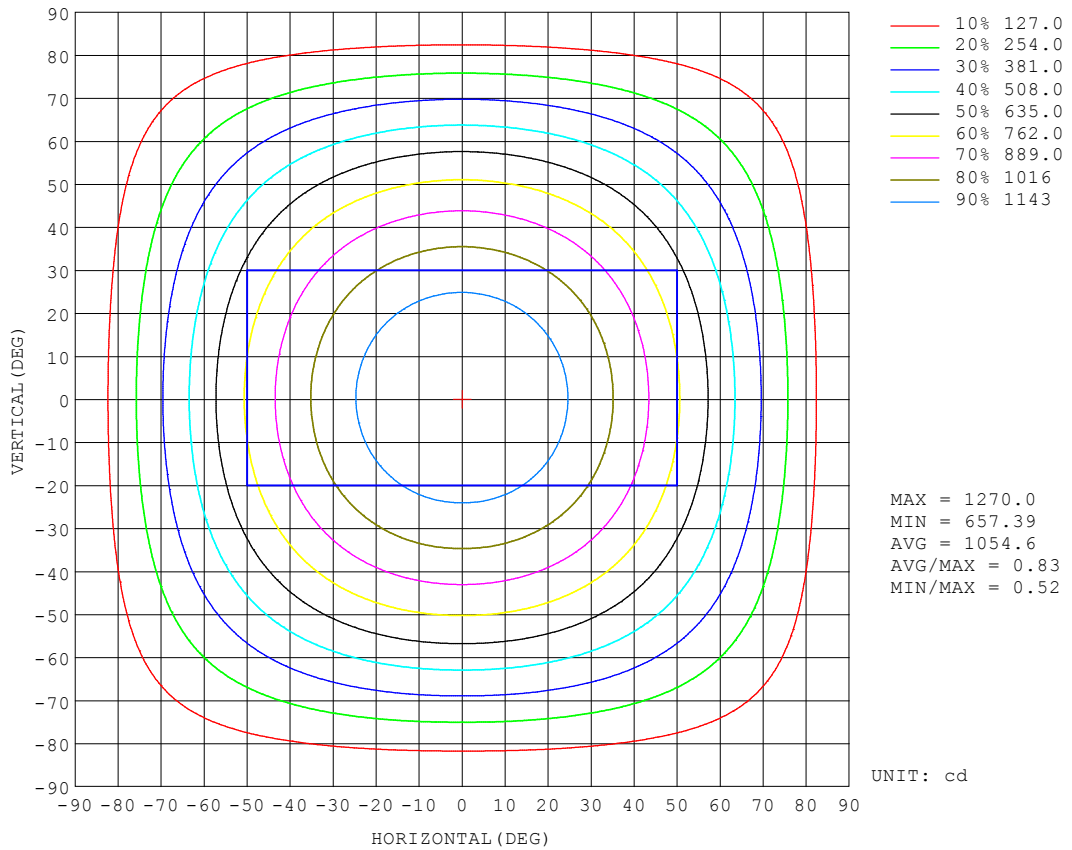
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:



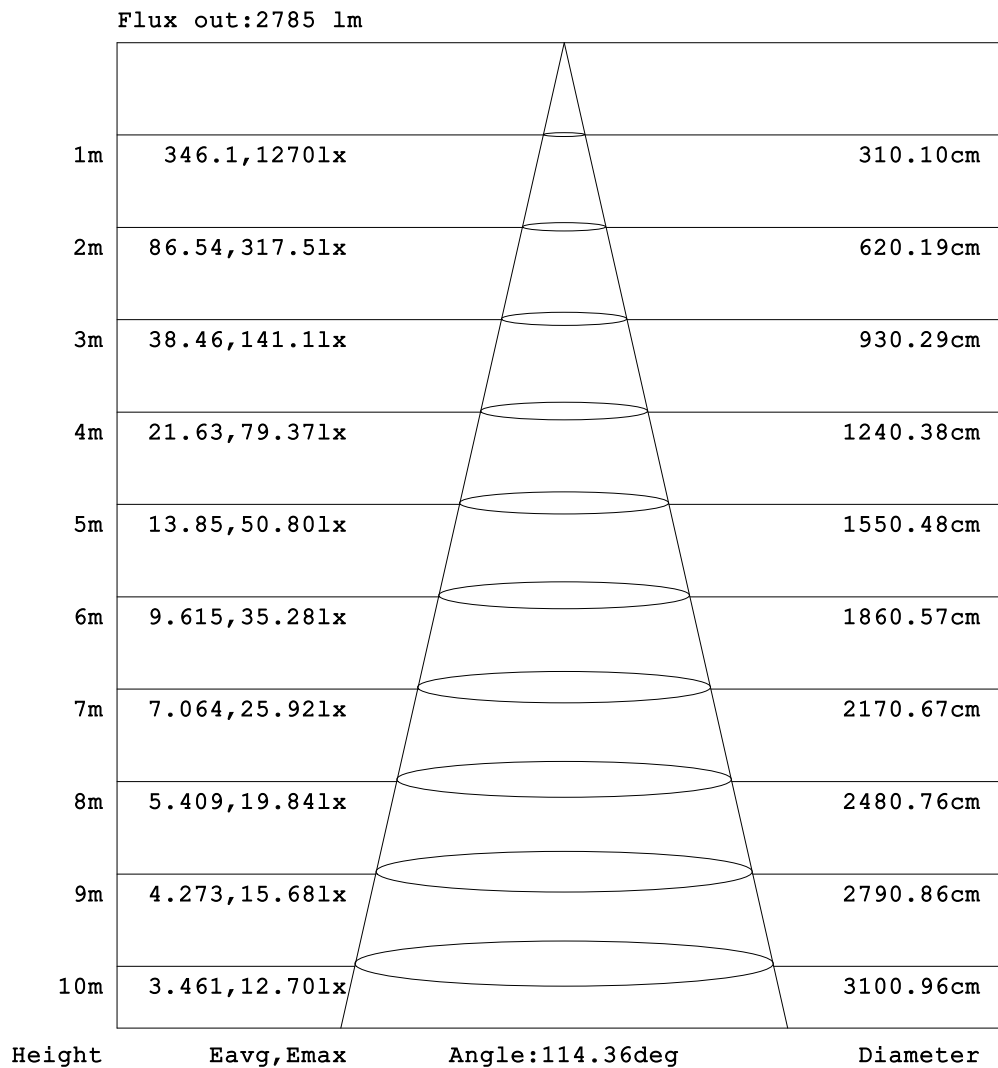
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-05-08

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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:



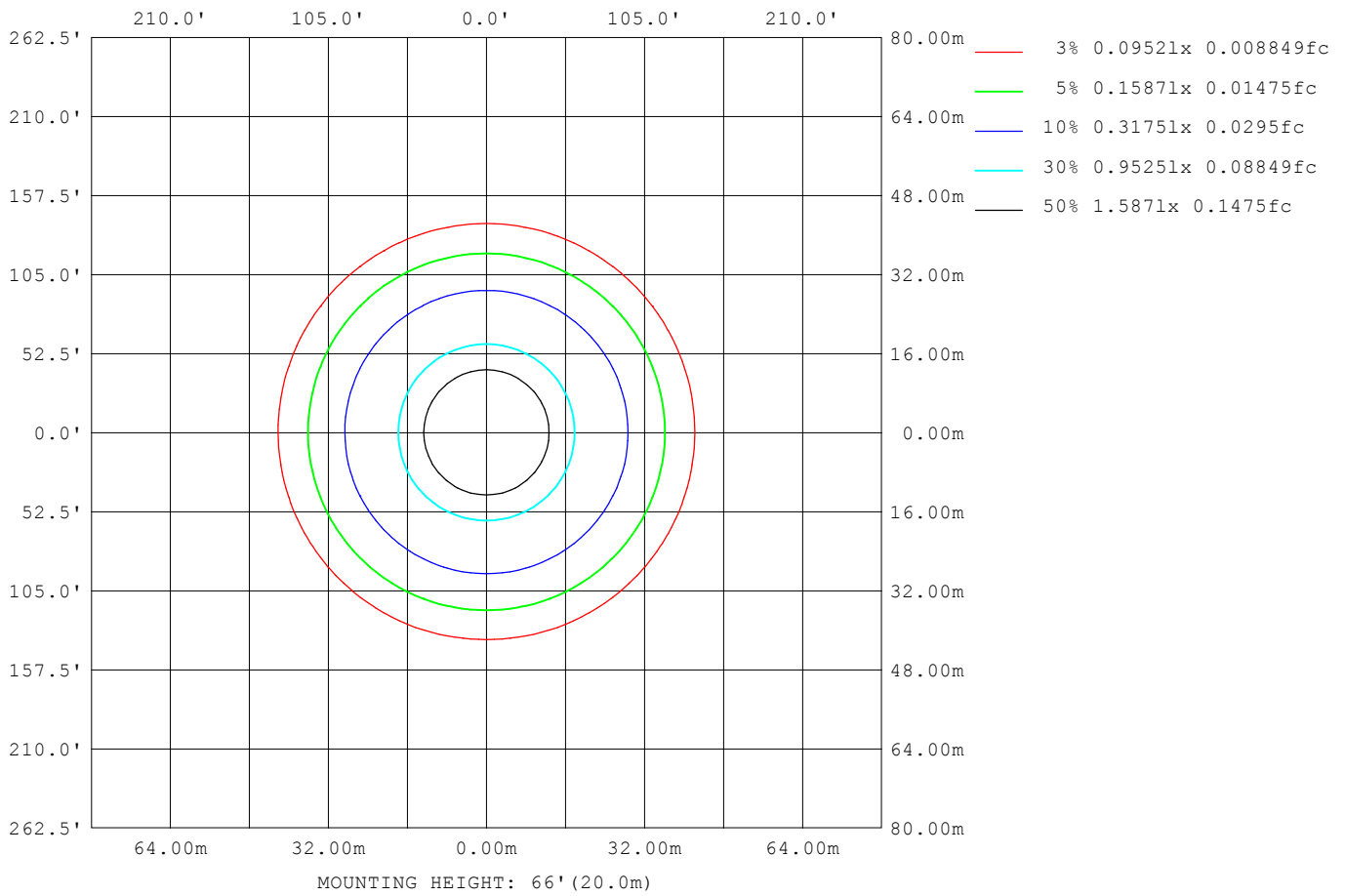
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	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:240.45V I:0.1625A P:37.410W PF:0.9572 Freq:50.00Hz Lamp Flux:3737.58x1 lm		
NAME: BLP36W-120/30-5K	TYPE:36W	WEIGHT:1
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:	SUR.:1.152*0.252	Shielding Angle:

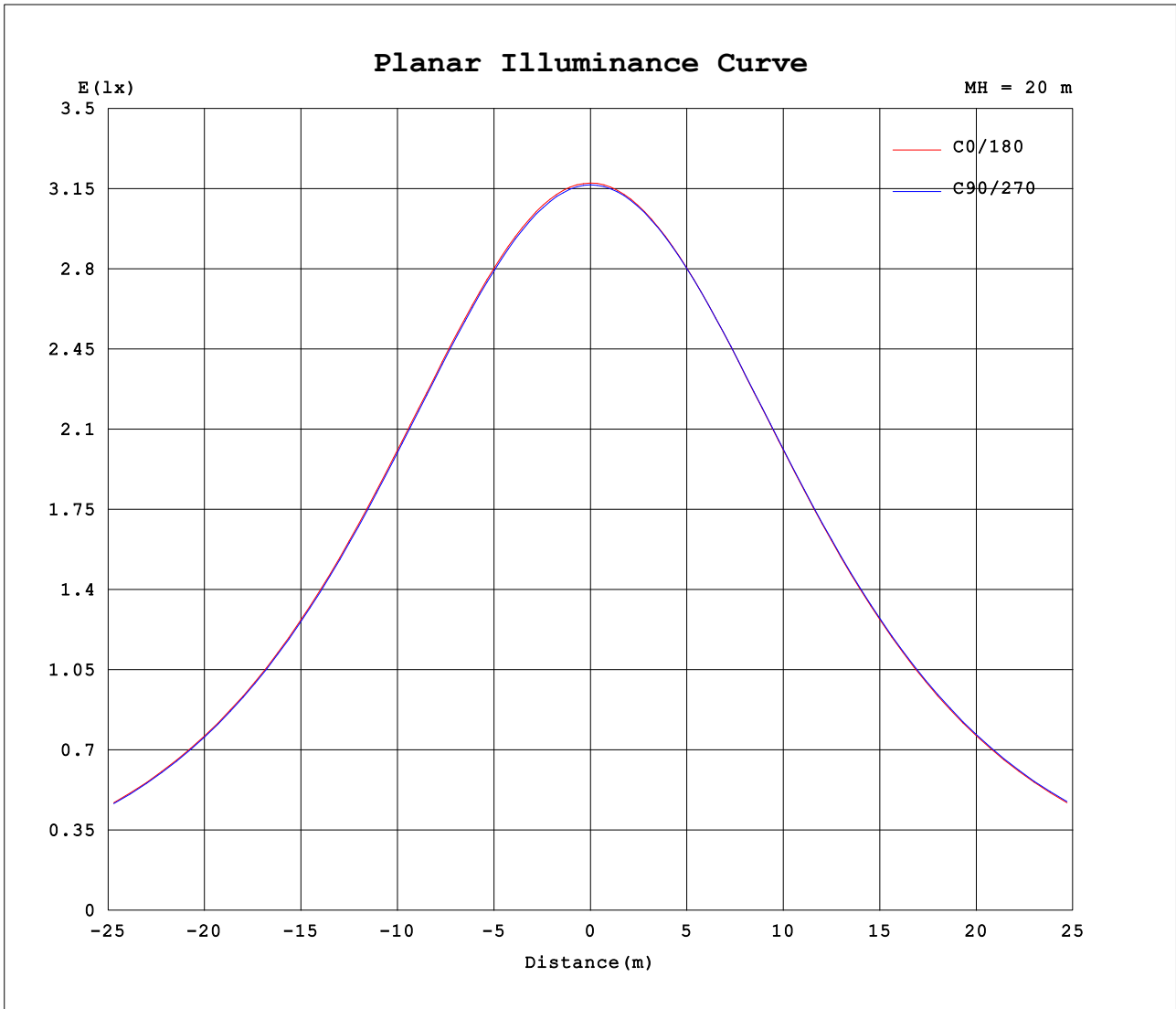
AvgL	cd/m2
L_0~180 (65) av	3879
L_0~180 (75) av	3585
L_0~180 (85) av	3188
L_90~270 (65) av	3861
L_90~270 (75) av	3506
L_90~270 (85) av	3049
L_45 (65) av	3875
L_45 (75) av	3536
L_45 (85) av	3066

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:

