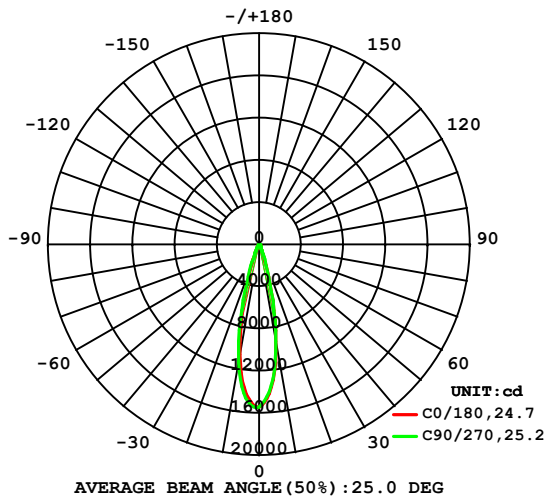


LUMINAIRE PHOTOMETRIC TEST REPORT

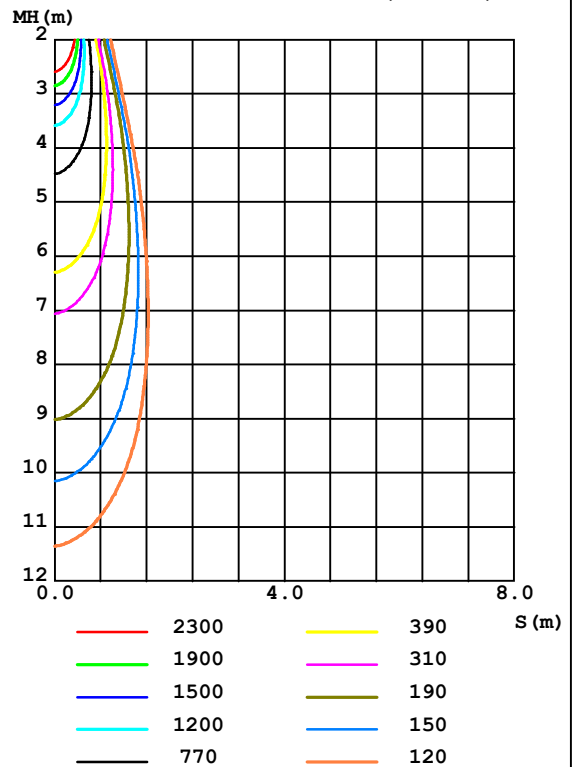
Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.56 lm/W
MODEL	SAT 1818	I _{max} (cd)	15500	S/MH (C0/180)	0.43	
NOMINAL POWER(W)	35	LOR (%)	88.4	S/MH (C90/270)	0.44	
RATED VOLTAGE(V)	220	TOTAL FLUX (lm)	3402.8	η UP, DN (C0-180)	0.0, 40.3	
NOMINAL FLUX (lm)	3850	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	24	η down (%)	88.4	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DGY
 Test Date: 2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 12.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

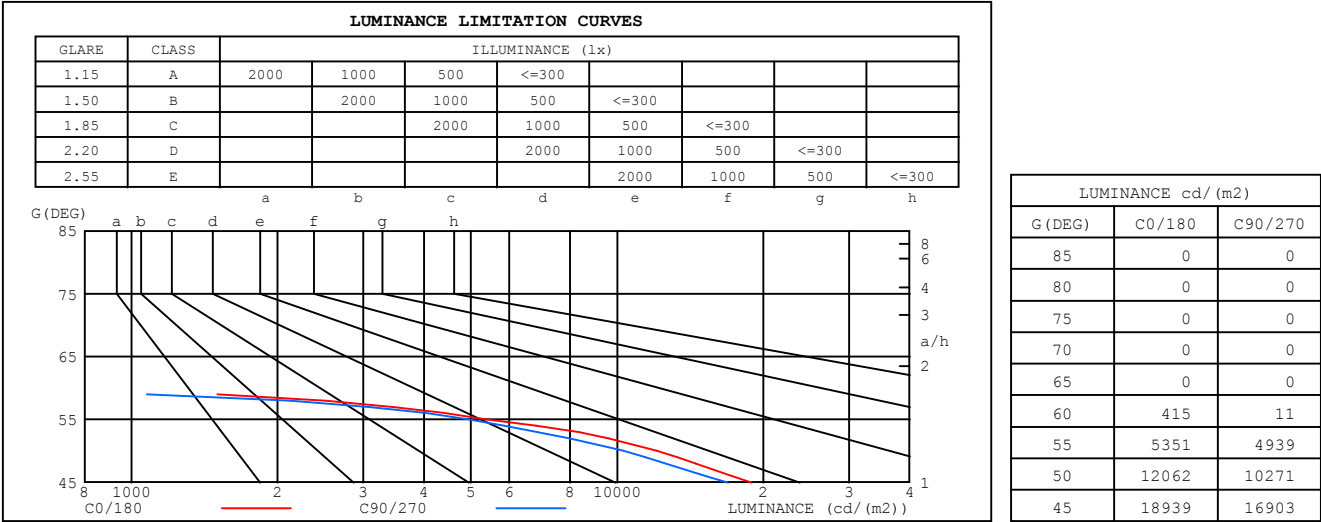
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	940.8	907.2	932.8	993.6	1063	1123	1133	1041	0- 10	1213	1213	35.6, 31.5
20	176.7	165.8	184.3	210.2	238.6	266.8	266.0	220.2	10- 20	1484	2697	79.3, 70
30	38.18	37.94	42.97	48.31	49.30	52.91	56.83	47.59	20- 30	462.7	3159	92.8, 82.1
40	12.41	11.79	12.13	13.82	15.11	16.49	17.08	14.83	30- 40	166.7	3326	97.7, 86.4
50	3.865	3.660	3.305	3.642	4.202	4.589	4.484	3.965	40- 50	59.90	3386	99.5, 87.9
60	0.1034	0	0.0028	0.1887	0.4193	0.5284	0.4729	0.3105	50- 60	16.57	3403	100, 88.4
70	0	0	0	0	0	0	0	0	60- 70	0.1955	3403	100, 88.4
80	0	0	0	0	0	0	0	0	70- 80	0	3403	100, 88.4
90	0	0	0	0	0	0	0	0	80- 90	0	3403	100, 88.4
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:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DGY
 Test Date: 2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 12.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME:BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:



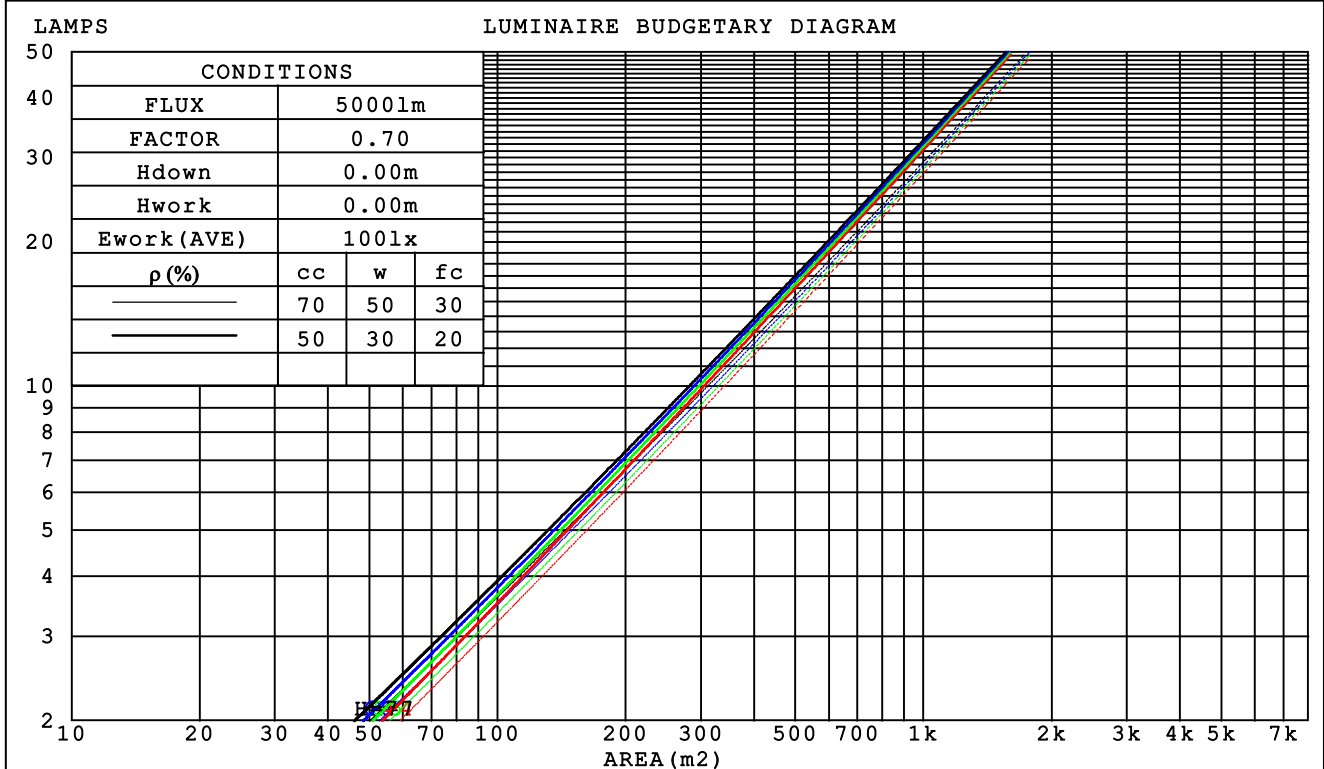
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DGY
Test Date:2019-06-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DGY
Test Date: 2019-06-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity: 65.0%
Test Distance: 12.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm					
NAME: BE-JD8655-35W			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: BEONE			SUR.:		Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.122	.069	.022	.116	.066	.021	.105	.060	.019	.095	.055	.018	.085	.050	.016		
2.0	.113	.062	.019	.108	.060	.018	.099	.055	.017	.091	.051	.016	.083	.047	.015		
3.0	.106	.056	.017	.102	.054	.016	.094	.051	.015	.087	.048	.015	.081	.045	.014		
4.0	.099	.051	.015	.096	.050	.015	.089	.047	.014	.083	.045	.014	.078	.042	.013		
5.0	.093	.048	.014	.090	.046	.014	.085	.044	.013	.080	.042	.013	.075	.040	.012		
6.0	.088	.044	.013	.086	.043	.012	.081	.042	.012	.077	.040	.012	.073	.038	.011		
7.0	.084	.042	.012	.082	.041	.012	.078	.039	.011	.074	.038	.011	.070	.037	.011		
8.0	.080	.039	.011	.078	.038	.011	.075	.037	.011	.071	.036	.010	.068	.035	.010		
9.0	.076	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.010		
10.0	.073	.035	.010	.072	.035	.010	.069	.034	.010	.066	.033	.009	.064	.032	.009		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.168	.168	.168	.144	.144	.144	.098	.098	.098	.056	.056	.056	.018	.018	.018	
1.0	.149	.139	.131	.127	.120	.113	.087	.082	.078	.050	.048	.045	.016	.015	.015	
2.0	.133	.117	.104	.114	.101	.090	.078	.070	.063	.045	.041	.037	.014	.013	.012	
3.0	.120	.100	.084	.103	.086	.073	.070	.060	.051	.041	.035	.030	.013	.011	.010	
4.0	.109	.087	.070	.093	.075	.060	.064	.052	.043	.037	.031	.025	.012	.010	.008	
5.0	.100	.076	.058	.085	.065	.051	.059	.046	.036	.034	.027	.021	.011	.009	.007	
6.0	.092	.067	.049	.079	.058	.043	.054	.041	.030	.032	.024	.018	.010	.008	.006	
7.0	.085	.060	.042	.073	.052	.036	.051	.036	.026	.029	.021	.015	.009	.007	.005	
8.0	.079	.054	.036	.068	.047	.031	.047	.033	.022	.027	.019	.013	.009	.006	.004	
9.0	.074	.049	.031	.064	.042	.027	.044	.030	.019	.026	.018	.012	.008	.006	.004	
10.0	.070	.044	.028	.060	.039	.024	.042	.027	.017	.024	.016	.010	.008	.005	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DGY
Test Date:2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm										
NAME: BE-JD8655-35W					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: BEONE					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	8.0	8.6	8.2	8.8	8.9	8.0	8.7	8.2	8.9	9.0
3H	7.8	8.4	8.1	8.6	8.8	7.9	8.5	8.1	8.7	8.9
4H	7.7	8.3	8.0	8.5	8.7	7.8	8.4	8.1	8.6	8.8
6H	7.7	8.2	7.9	8.4	8.7	7.7	8.3	8.0	8.5	8.7
8H	7.6	8.2	7.9	8.4	8.6	7.7	8.2	8.0	8.5	8.7
12H	7.6	8.1	7.9	8.3	8.6	7.6	8.2	7.9	8.4	8.7
4H 2H	7.8	8.4	8.0	8.6	8.8	7.8	8.4	8.1	8.6	8.8
3H	7.6	8.1	7.9	8.4	8.6	7.7	8.2	8.0	8.4	8.7
4H	7.5	8.0	7.8	8.3	8.6	7.6	8.0	7.9	8.3	8.6
6H	7.4	7.8	7.8	8.1	8.5	7.5	7.9	7.8	8.2	8.5
8H	7.3	7.7	7.7	8.1	8.4	7.4	7.8	7.8	8.1	8.5
12H	7.3	7.6	7.7	8.0	8.4	7.4	7.7	7.8	8.1	8.5
8H 4H	7.3	7.7	7.7	8.1	8.4	7.4	7.8	7.8	8.1	8.5
6H	7.2	7.5	7.6	7.9	8.3	7.3	7.6	7.7	8.0	8.4
8H	7.2	7.5	7.6	7.9	8.3	7.2	7.5	7.7	7.9	8.4
12H	7.1	7.3	7.6	7.8	8.3	7.2	7.4	7.6	7.9	8.3
12H 4H	7.3	7.6	7.7	8.0	8.4	7.4	7.7	7.8	8.1	8.5
6H	7.2	7.5	7.6	7.9	8.3	7.2	7.5	7.7	7.9	8.4
8H	7.1	7.3	7.6	7.8	8.3	7.2	7.4	7.6	7.9	8.3
Variations with the observer position at spacings:										
S = 1.0H	+ 3.0 / -11.2					+ 3.2 / -11.9				
1.5H	+ 4.2 / - 7.3					+ 4.7 / - 7.4				
2.0H	+ 5.6 / - 1.5					+ 5.4 / - 1.5				

CIE Pub.117, 3850 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.7$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DGY
Test Date:2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:

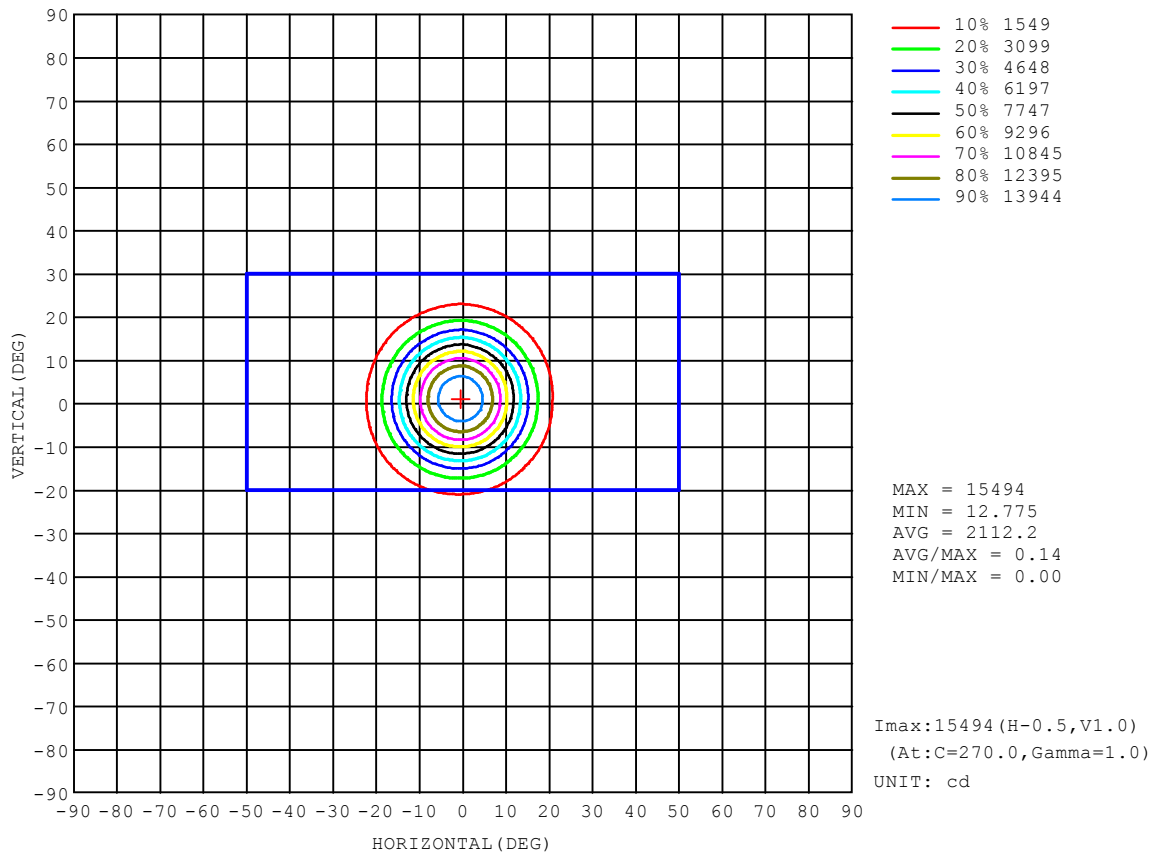
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	80	74	71	79	74	71	79	74	71	68
0.80	86	81	78	85	81	78	84	80	78	75
1.00	89	85	82	89	85	82	87	84	81	78
1.25	93	88	86	92	88	85	90	87	85	81
1.50	95	91	88	94	90	88	92	89	87	83
2.00	97	93	91	96	93	90	93	91	89	84
2.50	98	95	93	97	94	92	94	92	90	85
3.00	99	97	94	98	95	93	95	93	92	86
4.00	101	99	97	99	97	96	96	95	93	87
5.00	102	100	99	100	99	97	97	96	95	88
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: DGY
Test Date: 2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity: 65.0%
Test Distance: 12.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:

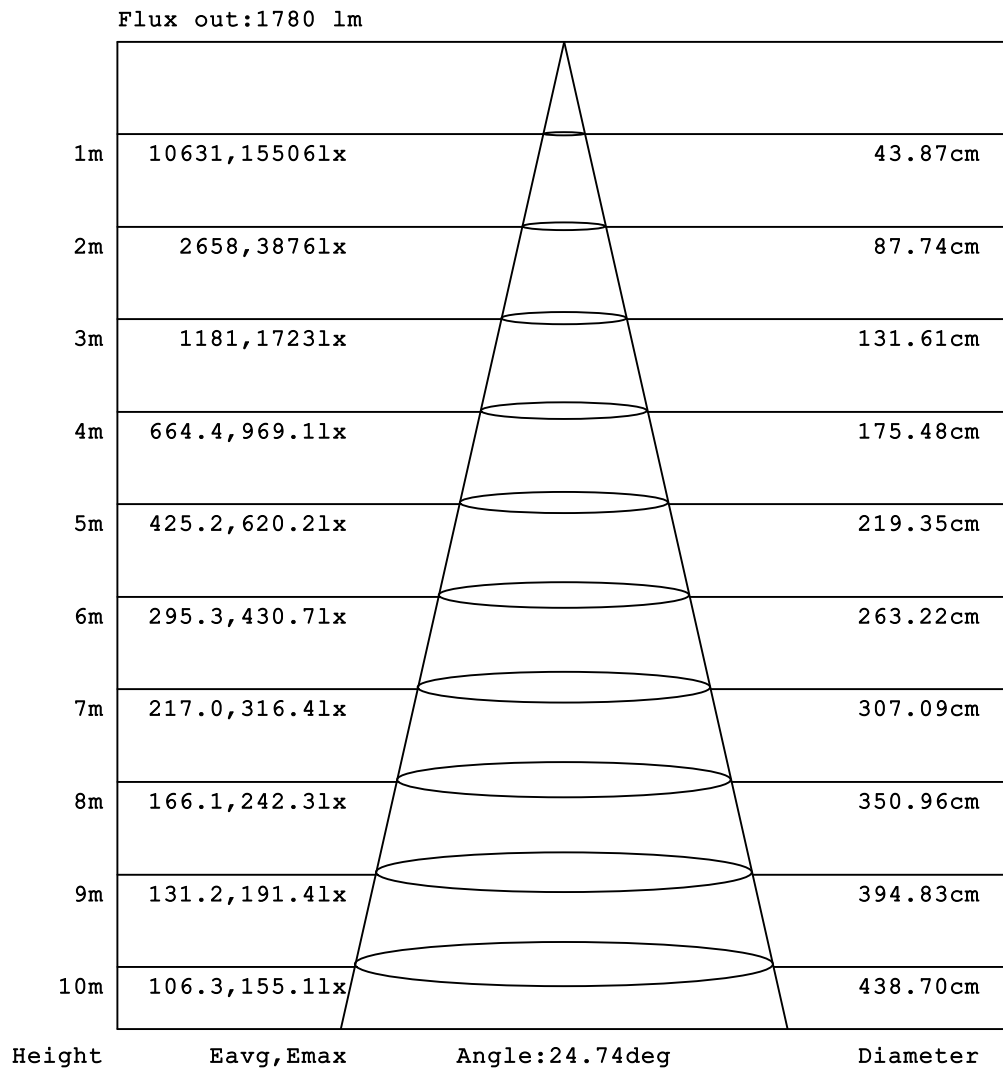


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: DGY
 Test Date:2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 12.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:



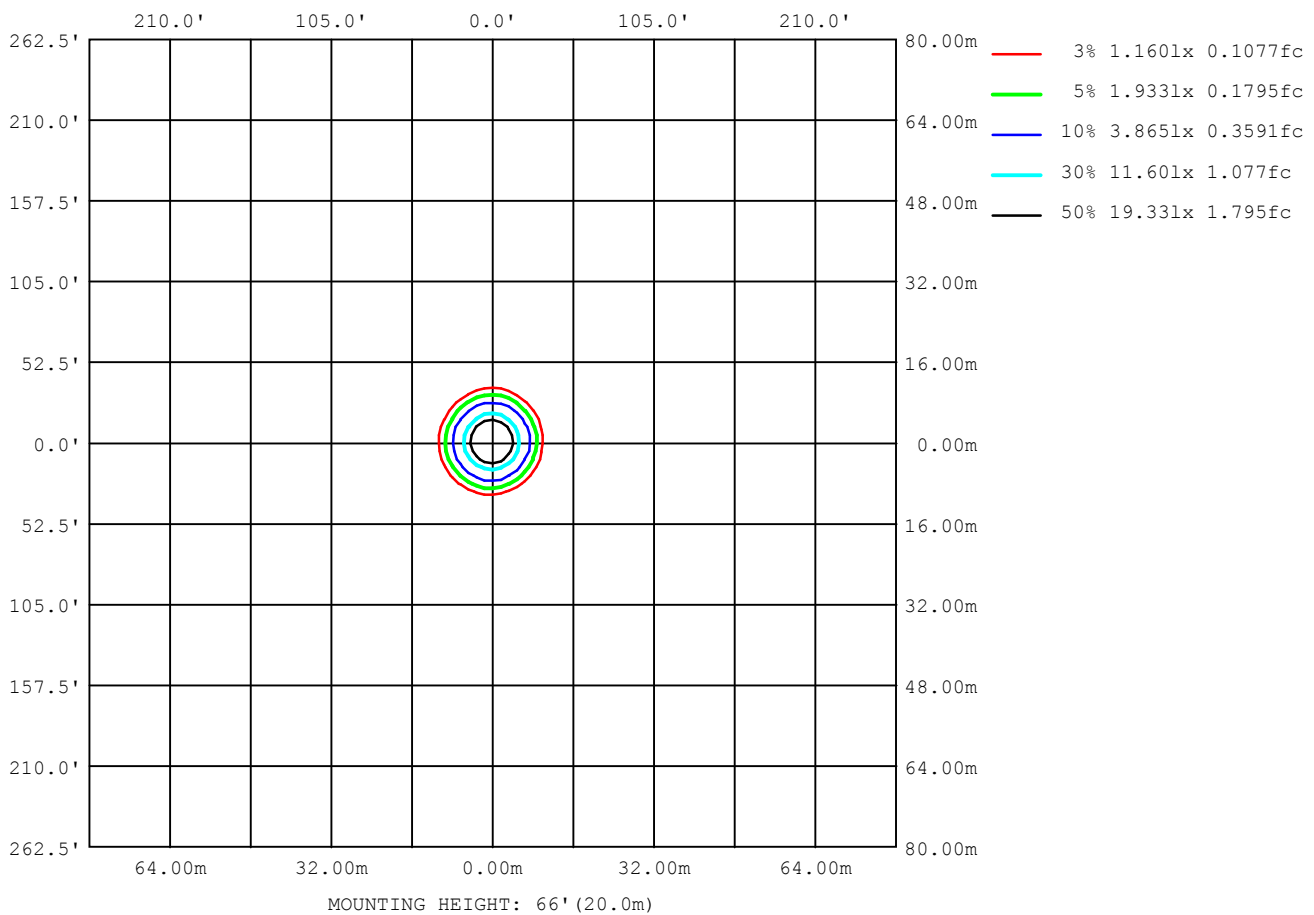
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DGY
 Test Date:2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:12.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DGY
Test Date:2019-06-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.18V I:0.1614A P:34.524W PF:0.9714 Freq:50.00Hz Lamp Flux:3850x1 lm		
NAME: BE-JD8655-35W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BEONE	SUR.:	Shielding Angle:

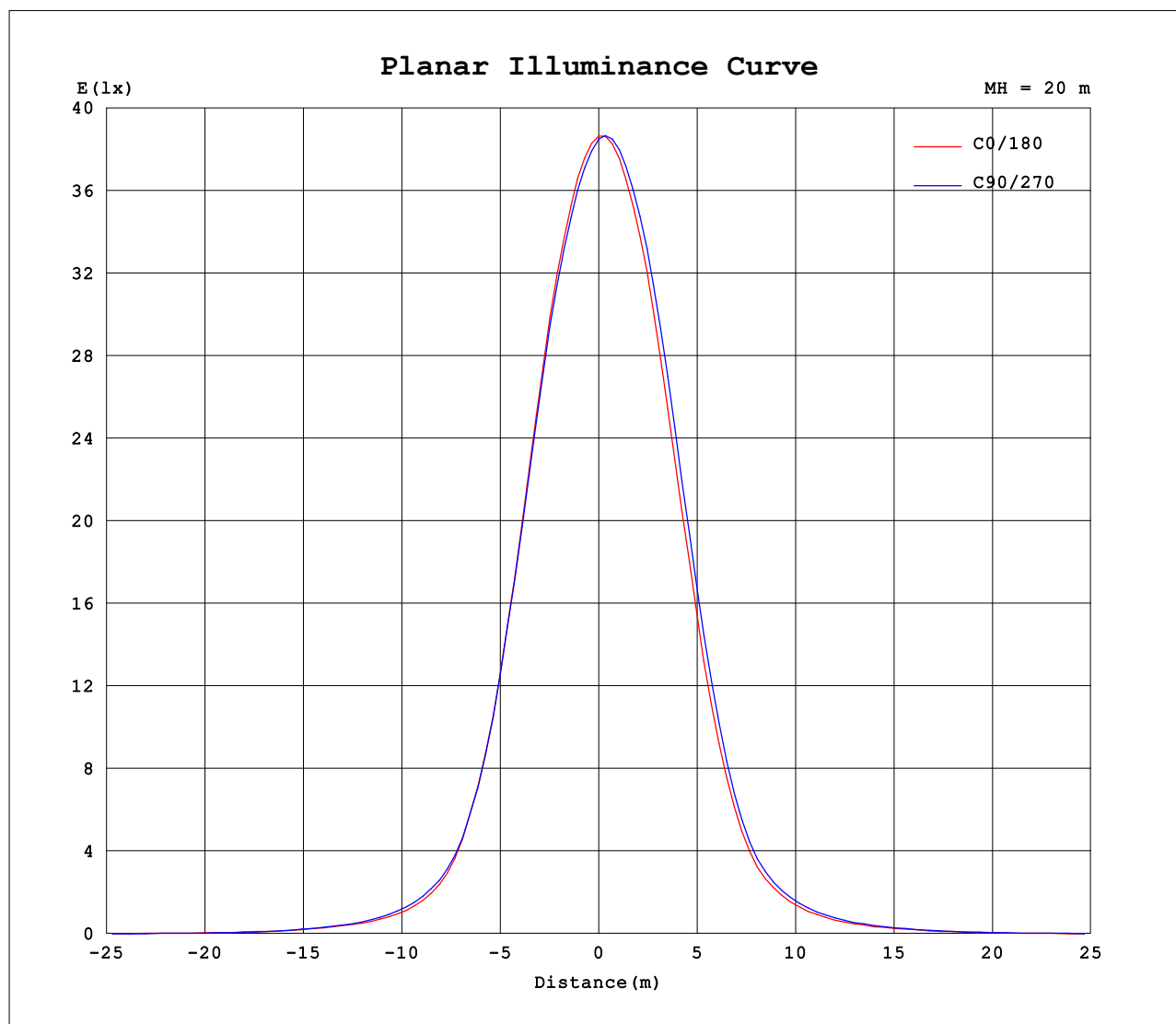
AvgL	cd/m2
L_0~180 (65) av	0
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	0
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	0
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DGY
Test Date:2019-06-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DGY
Test Date: 2019-06-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity: 65.0%
Test Distance: 12.000m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks:

```