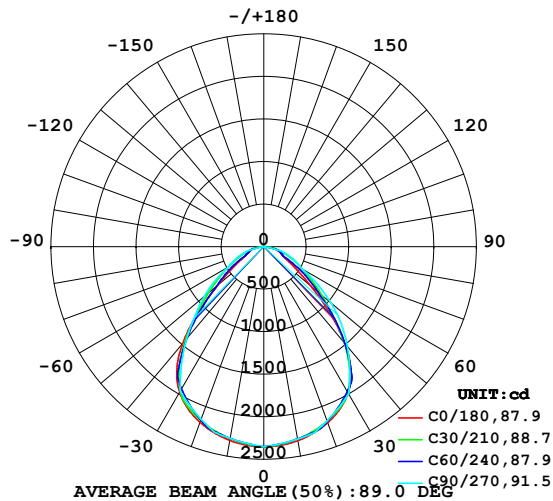


LUMINAIRE PHOTOMETRIC TEST REPORT

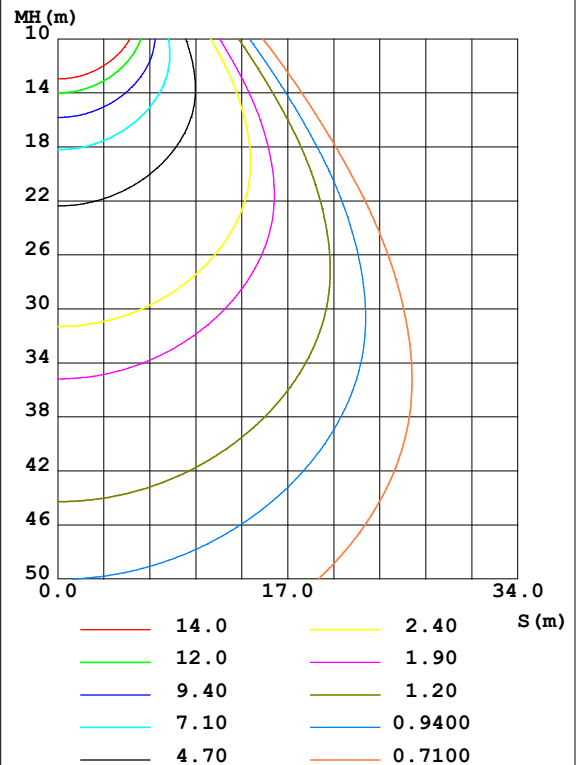
Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.32 lm/W			
MODEL		I _{max} (cd)	2352	S/MH (C0/180)	1.24
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE(V)	220.0	TOTAL FLUX (lm)	4858.1	□ UP,DN (C0-180)	0.0,50.9
NOMINAL FLUX(lm)	4858.05	CIE CLASS	DIRECT	□ UP,DN (C180-360)	0.0,49.1
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	□ down (%)	100.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	2314	2294	2297	2293	2312	2287	2288	2288	0- 10	221.2	221.2	4.55, 4.55
20	2201	2198	2178	2198	2195	2186	2159	2187	10- 20	635.0	856.1	17.6, 17.6
30	1986	1947	1997	1954	1978	1917	1964	1925	20- 30	958.8	1815	37.4, 37.4
40	1480	1530	1529	1554	1483	1468	1411	1490	30- 40	1089	2904	59.8, 59.8
50	722.9	870.1	1033	894.6	713.0	786.7	917.3	808.8	40- 50	878.4	3782	77.9, 77.9
60	325.3	491.7	509.8	501.7	312.3	433.2	484.0	449.2	50- 60	549.9	4332	89.2, 89.2
70	209.8	283.5	312.6	287.5	190.9	250.0	285.9	259.1	60- 70	321.5	4653	95.8, 95.8
80	110.4	115.1	0	111.6	96.48	99.45	0	101.2	70- 80	186.5	4840	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	18.16	4858	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		

Conical surface Flux(90deg): 3385.4 lm

%lum = 69.7%

%lamp = 69.7%

Conical surface Flux(120deg): 4331.9 lm

%lum = 89.2%

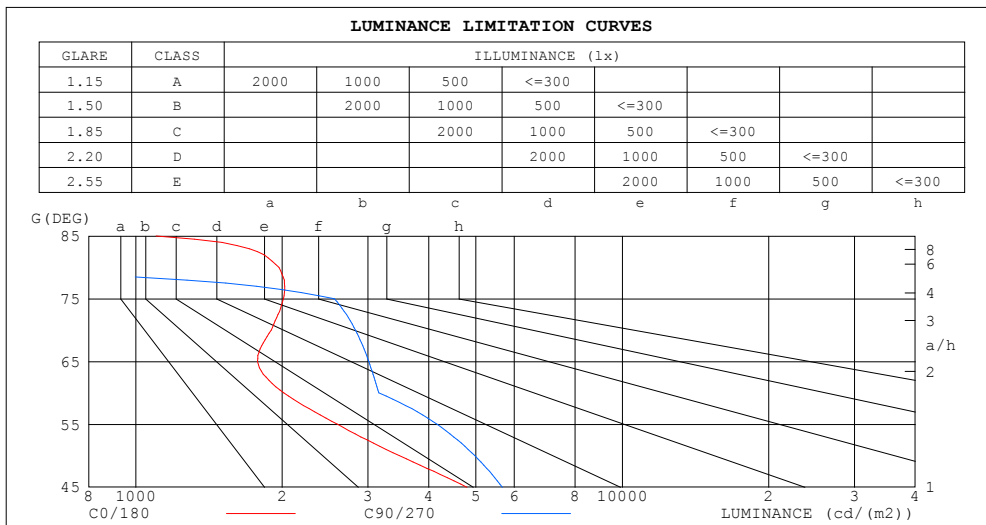
%lamp = 89.2%

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1100	0
80	1969	0
75	2011	2560
70	1900	2830
65	1780	3013
60	2014	3157
55	2597	4164
50	3482	4975
45	4791	5668

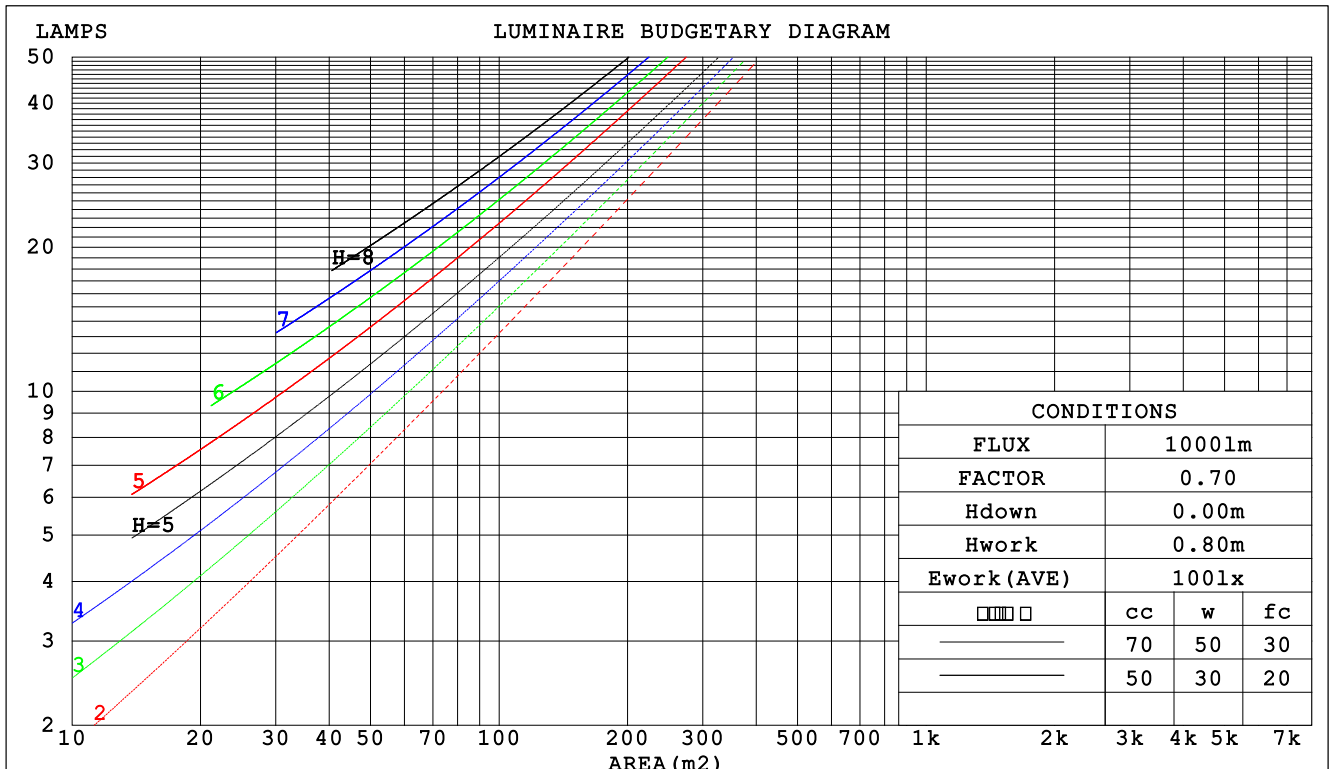
H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	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	1.00
1.0	1.07	1.03	1.00	1.05	1.01	.98	1.00	.98	.95	.97	.94	.93	.93	.91	.90	.88
2.0	.95	.90	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.59
5.0	.70	.62	.56	.69	.61	.55	.67	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.50	.63	.55	.49	.61	.54	.49	.59	.53	.49	.58	.52	.48	.46
7.0	.58	.50	.44	.57	.50	.44	.56	.49	.44	.54	.48	.44	.53	.48	.43	.42
8.0	.53	.46	.40	.53	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.39	.38
9.0	.49	.42	.37	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

WEC AND CCEC

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm					
NAME: GLM-BPL6262A-32W-C			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:1
MFR.: EVERFINE			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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.254	.144	.046	.247	.141	.045	.234	.134	.043	.222	.128	.041	.211	.122	.039		
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.217	.122	.038	.208	.118	.037		
3.0	.231	.123	.037	.226	.121	.036	.216	.117	.036	.207	.113	.035	.199	.110	.034		
4.0	.217	.113	.033	.213	.111	.033	.204	.108	.032	.196	.105	.032	.188	.102	.031		
5.0	.204	.104	.030	.200	.102	.030	.192	.100	.029	.185	.097	.029	.178	.095	.029		
6.0	.191	.096	.027	.188	.095	.027	.181	.093	.027	.174	.091	.027	.168	.089	.026		
7.0	.180	.089	.025	.177	.088	.025	.170	.086	.025	.165	.084	.025	.159	.083	.024		
8.0	.170	.083	.023	.167	.082	.023	.161	.081	.023	.156	.079	.023	.151	.078	.023		
9.0	.160	.077	.022	.158	.077	.022	.153	.075	.021	.148	.074	.021	.144	.073	.021		
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020		

□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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.151	.134	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.142	.090	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm										
NAME: GLM-BPL6262A-32W-C					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: EVERFINE					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	16.3	17.6	16.5	17.8	18.0	16.8	18.1	17.0	18.3	18.5
3H	17.0	18.2	17.3	18.5	18.7	17.7	18.9	17.9	19.1	19.3
4H	17.4	18.6	17.7	18.8	19.1	18.1	19.3	18.4	19.6	19.8
6H	17.7	18.8	18.0	19.0	19.3	18.2	19.3	18.5	19.5	19.8
8H	17.7	18.8	18.0	19.0	19.3	18.1	19.2	18.5	19.5	19.7
12H	17.7	18.7	18.0	19.0	19.3	18.1	19.1	18.4	19.4	19.7
4H 2H	16.7	17.8	17.0	18.1	18.3	17.0	18.2	17.3	18.4	18.7
3H	17.7	18.7	18.1	19.0	19.3	18.0	19.0	18.4	19.3	19.6
4H	18.3	19.2	18.6	19.5	19.8	18.7	19.6	19.0	19.9	20.2
6H	18.7	19.5	19.0	19.8	20.2	18.8	19.6	19.1	19.9	20.3
8H	18.7	19.5	19.1	19.8	20.2	18.7	19.5	19.1	19.8	20.2
12H	18.7	19.4	19.1	19.8	20.2	18.7	19.3	19.1	19.7	20.1
8H 4H	18.5	19.3	18.9	19.6	20.0	18.9	19.6	19.3	20.0	20.4
6H	19.1	19.7	19.5	20.1	20.5	19.0	19.6	19.4	20.0	20.4
8H	19.2	19.7	19.6	20.2	20.6	19.0	19.5	19.4	19.9	20.4
12H	19.2	19.7	19.7	20.1	20.6	18.9	19.4	19.4	19.8	20.3
12H 4H	18.5	19.2	18.9	19.5	19.9	18.9	19.6	19.3	19.9	20.3
6H	19.0	19.6	19.5	20.0	20.5	19.0	19.6	19.5	20.0	20.4
8H	19.2	19.7	19.7	20.1	20.6	19.0	19.4	19.4	19.9	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.6					+ 0.4 / - 0.4				
1.5H	+ 0.3 / - 0.8					+ 0.4 / - 0.6				
2.0H	+ 0.8 / - 1.4					+ 1.3 / - 1.7				

CIE Pub.117, 4858 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.5$)

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

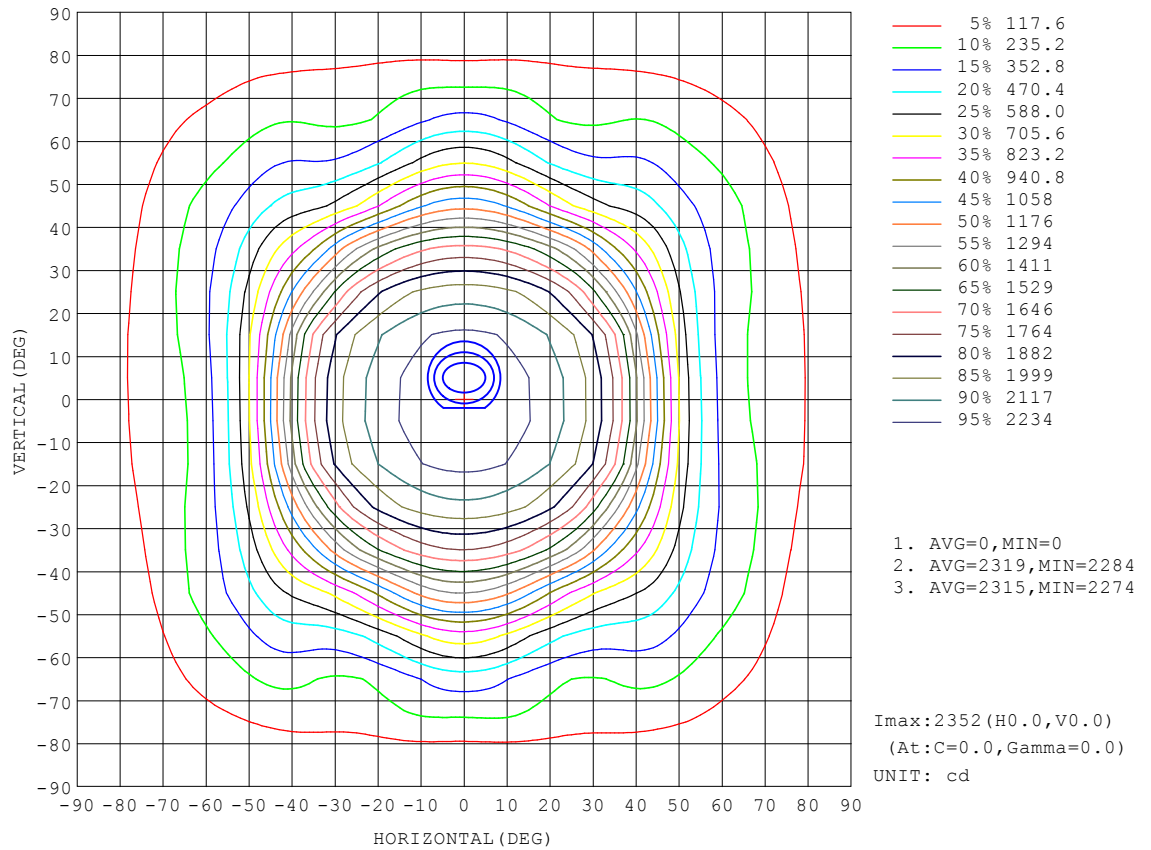
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	56	50	66	56	50	65	56	50	44
0.80	76	66	60	75	66	60	74	65	60	54
1.00	84	75	69	83	74	68	81	75	68	62
1.25	90	82	76	89	81	76	87	80	75	69
1.50	95	87	81	93	86	81	90	84	79	73
2.00	100	93	88	99	92	87	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

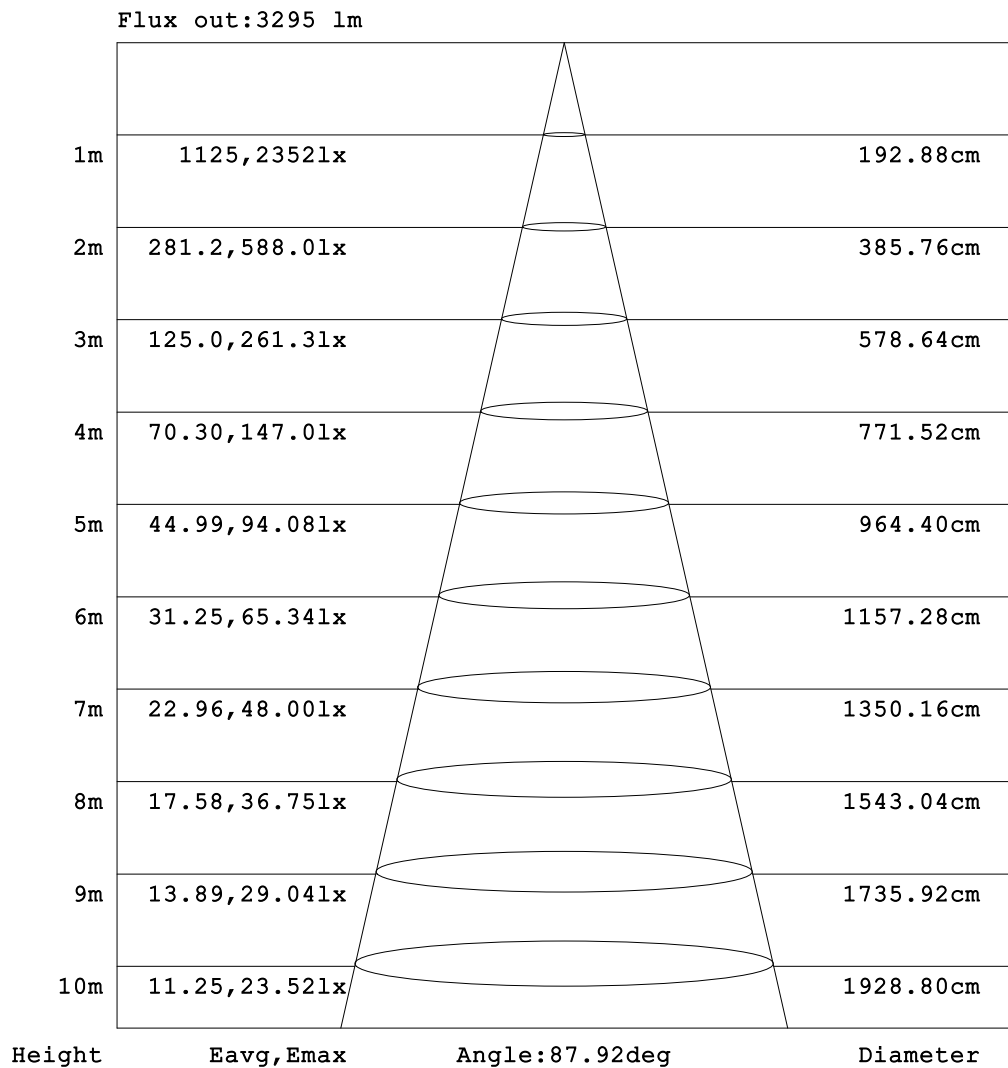


H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:20 October 2021

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.500m [K=1.0933]
 Remarks:

AAI Figure

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



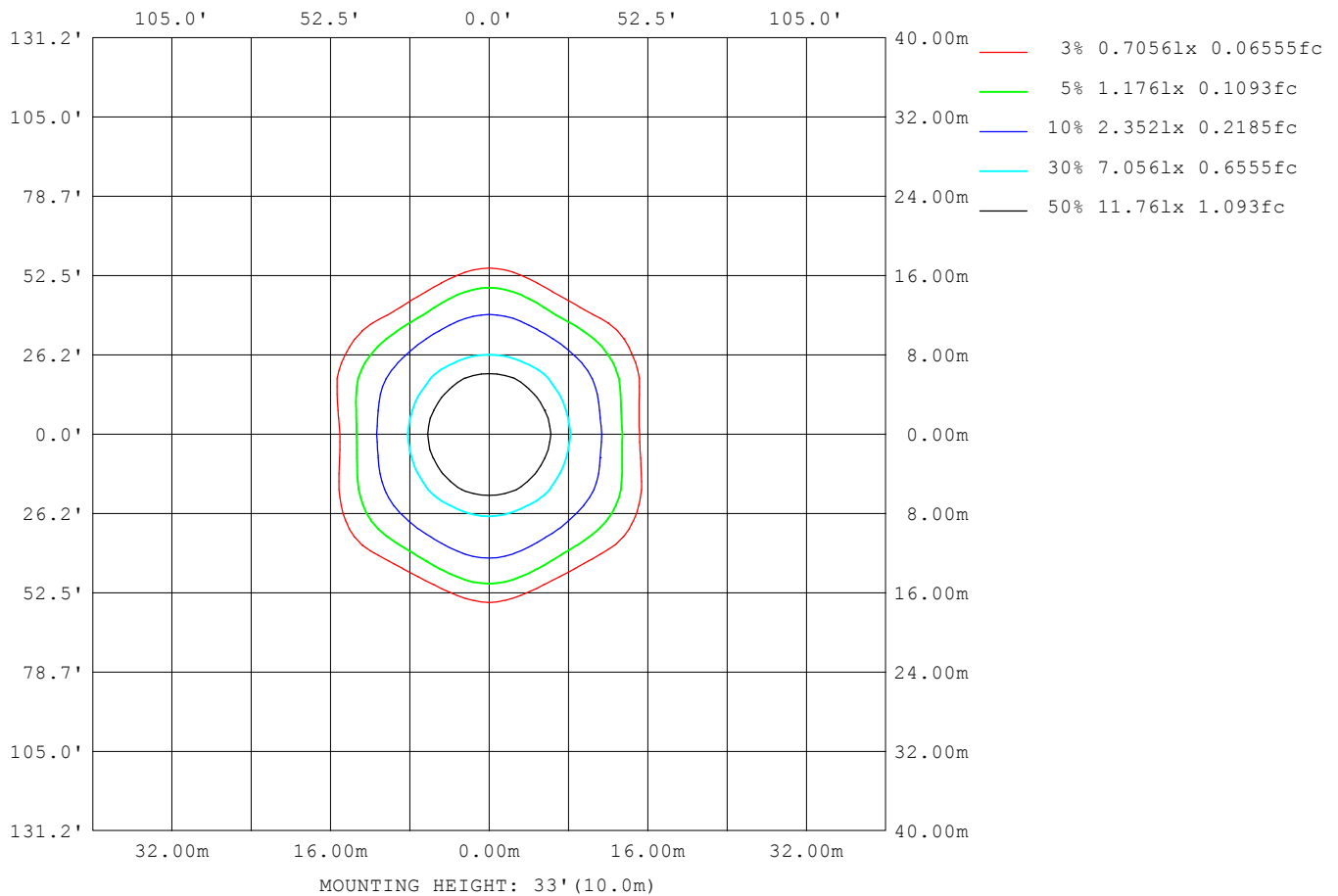
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:20 October 2021

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.500m [K=1.0933]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:20 October 2021

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.500m [K=1.0933]
 Remarks:

LED Avg.L Report

Test:U:219.53V I:0.1534A P:32.318W PF:0.9598 Freq:49.99Hz Lamp Flux:4858.05x1 lm		
NAME: GLM-BPL6262A-32W-C	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

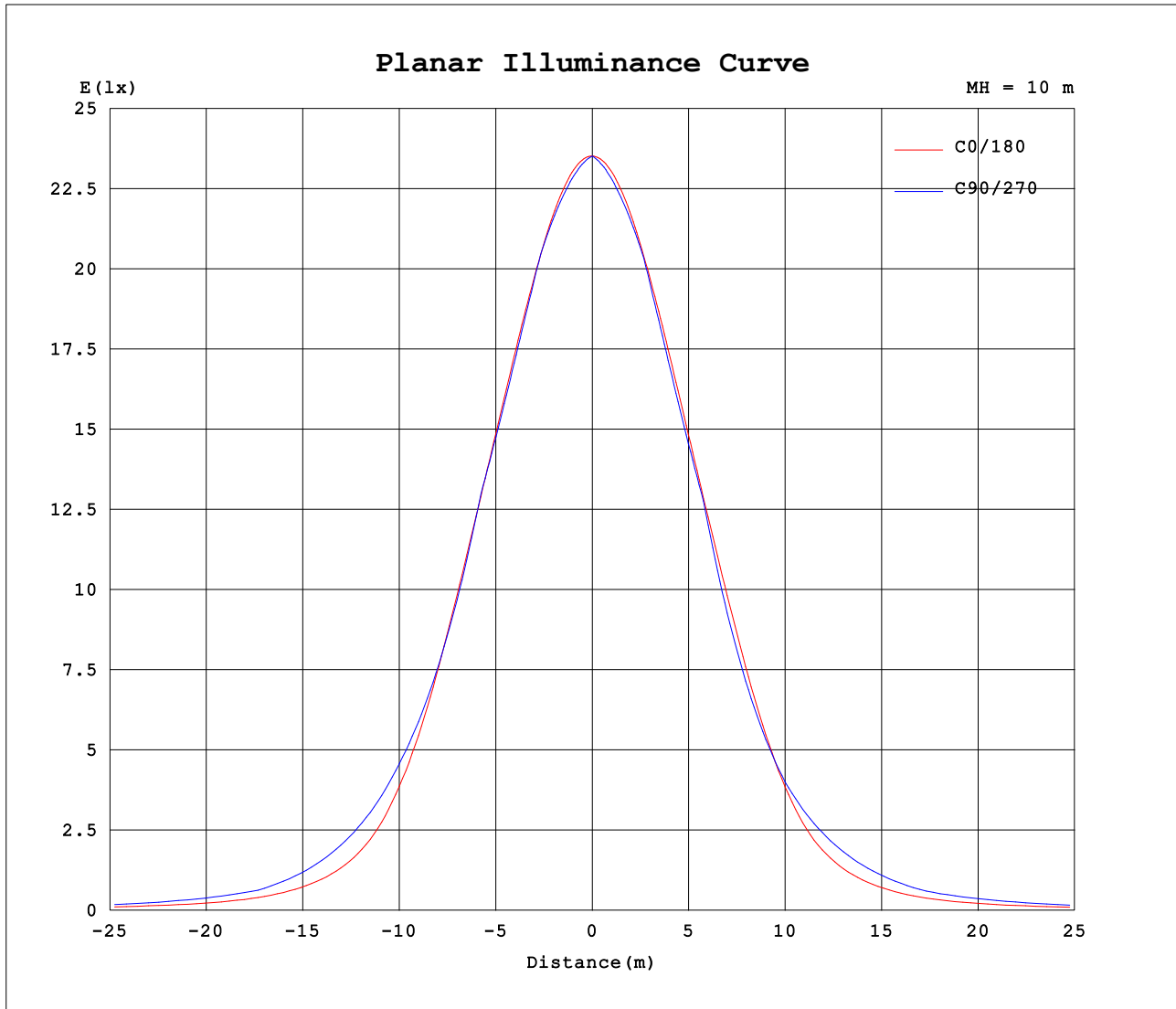
AvgL	cd/m2
L_0~180 (65) av	1726
L_0~180 (75) av	1924
L_0~180 (85) av	787
L_90~270 (65) av	2916
L_90~270 (75) av	2398
L_90~270 (85) av	0
L_45 (65) av	2619
L_45 (75) av	2373
L_45 (85) av	0

Standard: GB/T 29293-2012

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

Planar Illuminance Curve



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:20 October 2021

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.500m [K=1.0933]
Remarks:

