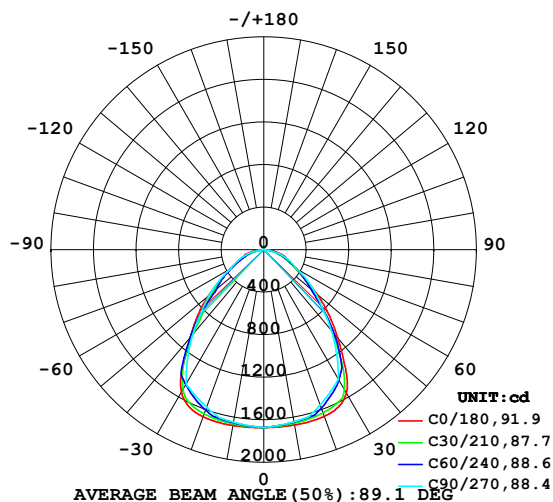


LUMINAIRE PHOTOMETRIC TEST REPORT

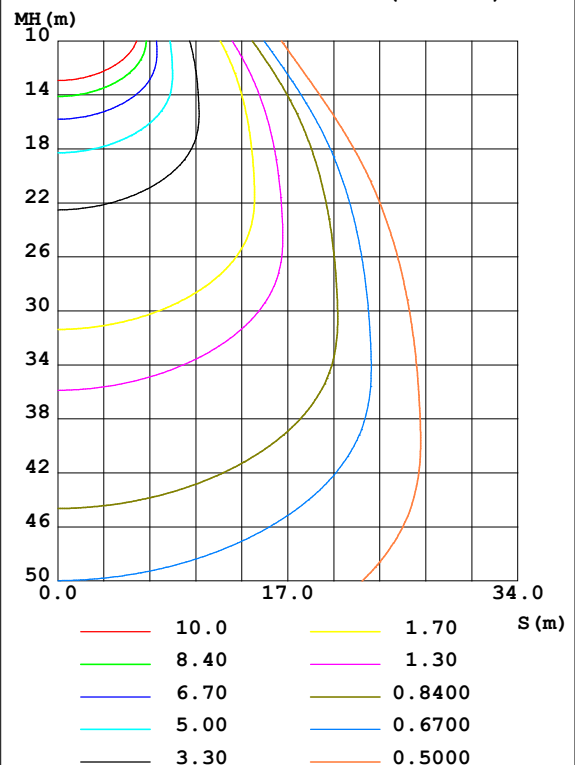
Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.21 lm/W			
MODEL		I _{max} (cd)	1680	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	3612.9	□ UP, DN (C0-180)	0.0, 49.3
NOMINAL FLUX (lm)	3612.85	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.0, 50.7
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	□ down (%)	100.0	CIBSE SHR MAX	1.25

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:23 September 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=1.1133]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1674	1651	1643	1655	1679	1658	1647	1653	0- 10	158.7	158.7	4.39,4.39
20	1668	1624	1554	1628	1672	1635	1576	1631	10- 20	465.1	623.8	17.3,17.3
30	1556	1428	1406	1403	1549	1473	1461	1483	20- 30	718.4	1342	37.2,37.2
40	1082	967.5	986.9	945.8	1074	1084	1038	1095	30- 40	793.1	2135	59.1,59.1
50	657.0	556.5	635.1	555.0	683.5	600.3	671.5	592.8	40- 50	624.1	2759	76.4,76.4
60	339.0	322.5	350.2	324.1	363.8	332.2	361.0	323.7	50- 60	428.6	3188	88.2,88.2
70	219.7	183.1	213.0	186.6	215.1	184.5	218.6	177.7	60- 70	271.0	3459	95.7,95.7
80	101.1	56.26	0	55.75	104.8	54.59	0	56.26	70- 80	139.9	3599	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	14.04	3613	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): 2474.4 lm

%lum = 68.5%

%lamp = 68.5%

Conical surface Flux(120deg): 3187.9 lm

%lum = 88.2%

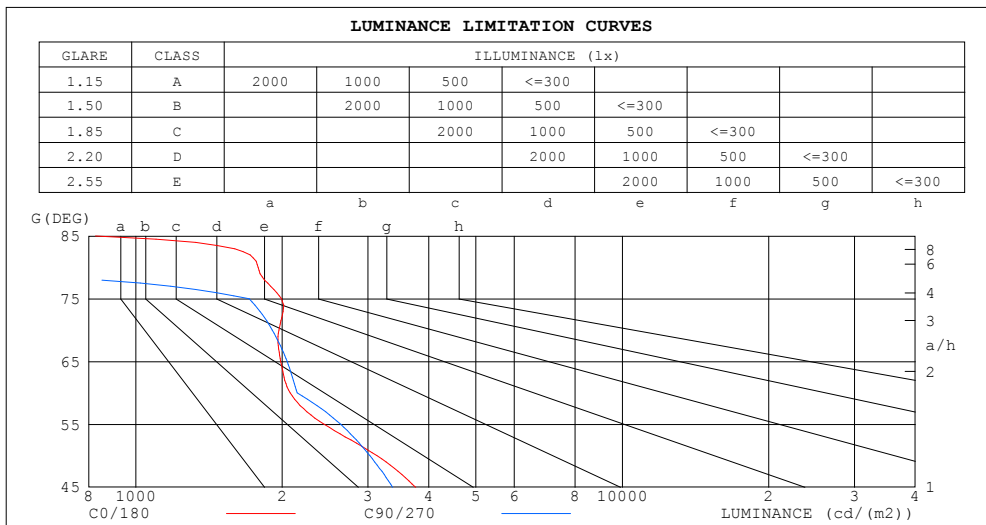
%lamp = 88.2%

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:23 September 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=1.1133]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	827	0
80	1785	0
75	1993	1710
70	1968	1908
65	1986	2048
60	2077	2146
55	2439	2638
50	3131	3027
45	3759	3373

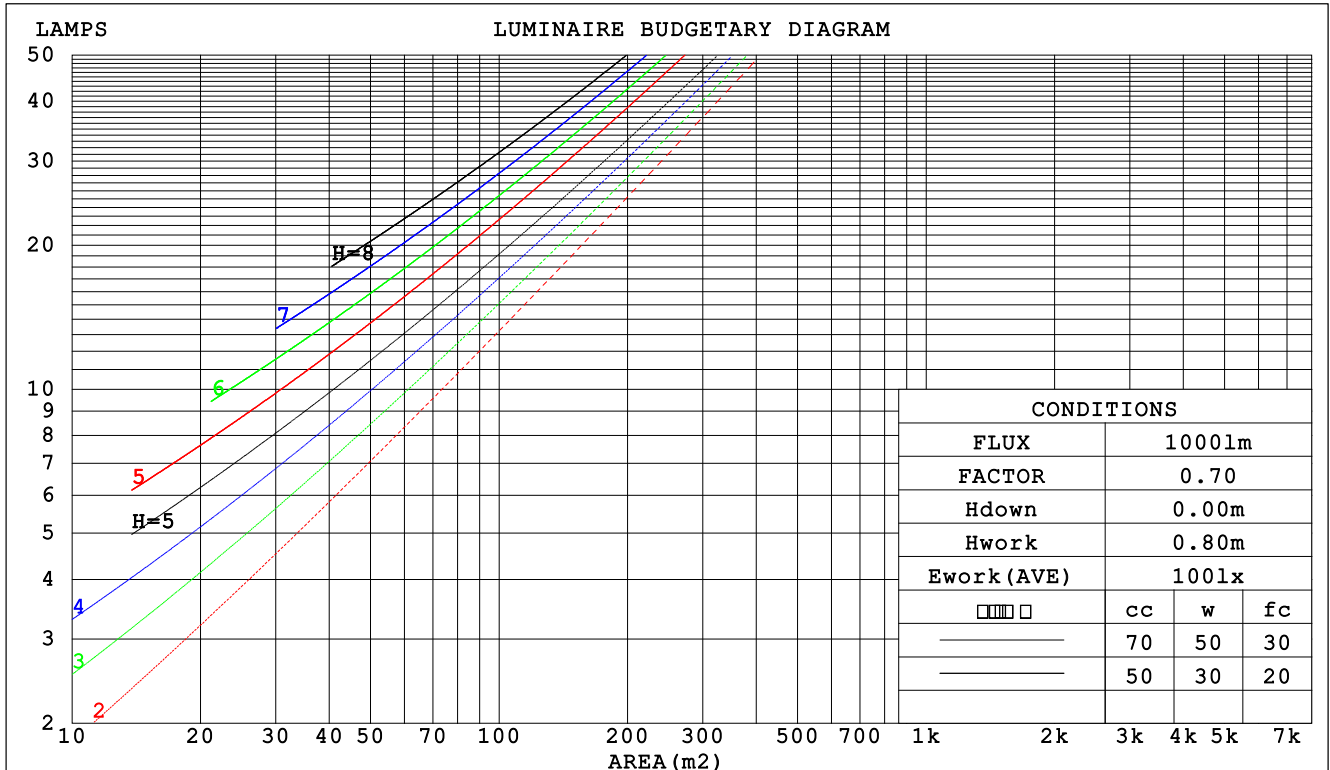
H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:23 September 2021

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=1.1133]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D(RA90)	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															



H(□) Range:-90 - 90DEG

H(□) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:23 September 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=1.1133]

Remarks:

WEC AND CCEC

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D(RA90)	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	.257 .146 .046	.250 .142 .045	.237 .136 .043	.225 .130 .042	.214 .124 .040	
2.0	.248 .136 .042	.242 .133 .041	.231 .128 .040	.220 .124 .039	.211 .119 .038	
3.0	.234 .124 .037	.229 .122 .037	.219 .119 .036	.210 .115 .035	.201 .111 .034	
4.0	.219 .114 .033	.215 .112 .033	.206 .109 .033	.198 .106 .032	.190 .103 .031	
5.0	.205 .105 .030	.201 .103 .030	.194 .101 .030	.186 .098 .029	.180 .096 .029	
6.0	.193 .097 .028	.189 .095 .027	.182 .093 .027	.176 .091 .027	.170 .089 .027	
7.0	.181 .090 .025	.178 .089 .025	.172 .087 .025	.166 .085 .025	.160 .083 .025	
8.0	.171 .083 .023	.168 .083 .023	.162 .081 .023	.157 .080 .023	.152 .078 .023	
9.0	.161 .078 .022	.158 .077 .022	.153 .076 .022	.149 .075 .021	.144 .073 .021	
10.0	.152 .073 .020	.150 .072 .020	.146 .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	.177 .157 .139	.151 .134 .119	.103 .092 .082	.060 .054 .048	.019 .017 .016	
2.0	.166 .132 .103	.143 .114 .089	.098 .079 .062	.056 .046 .037	.018 .015 .012	
3.0	.158 .114 .079	.135 .098 .069	.093 .068 .048	.054 .040 .028	.017 .013 .009	
4.0	.149 .100 .063	.128 .087 .055	.088 .060 .038	.051 .035 .023	.016 .012 .007	
5.0	.142 .090 .051	.122 .078 .044	.084 .054 .031	.049 .032 .019	.016 .010 .006	
6.0	.135 .081 .042	.116 .070 .037	.080 .049 .026	.046 .029 .015	.015 .009 .005	
7.0	.129 .074 .036	.111 .064 .031	.076 .045 .022	.044 .026 .013	.014 .009 .004	
8.0	.123 .068 .031	.106 .059 .027	.073 .041 .019	.043 .024 .011	.014 .008 .004	
9.0	.117 .063 .027	.101 .055 .023	.070 .039 .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:23 September 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=1.1133]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm										
NAME: GLM-SPL6262-27W-D (RA90)					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	15.4	16.8	15.7	17.0	17.2	15.4	16.7	15.6	16.9	17.1
3H	16.4	17.7	16.7	17.9	18.1	16.4	17.6	16.7	17.9	18.1
4H	16.9	18.1	17.2	18.4	18.6	16.8	18.0	17.1	18.2	18.5
6H	17.3	18.4	17.6	18.7	18.9	16.8	17.9	17.1	18.2	18.5
8H	17.4	18.4	17.7	18.7	19.0	16.8	17.8	17.1	18.1	18.4
12H	17.4	18.4	17.7	18.7	19.0	16.7	17.7	17.1	18.0	18.3
4H 2H	15.7	16.9	16.0	17.1	17.4	15.6	16.8	15.9	17.1	17.3
3H	16.9	17.9	17.2	18.2	18.5	16.9	17.9	17.2	18.2	18.5
4H	17.5	18.4	17.9	18.7	19.1	17.4	18.3	17.8	18.7	19.0
6H	18.0	18.8	18.4	19.1	19.5	17.5	18.3	17.9	18.6	19.0
8H	18.1	18.8	18.5	19.2	19.6	17.4	18.2	17.8	18.5	18.9
12H	18.1	18.8	18.5	19.2	19.6	17.4	18.1	17.8	18.5	18.9
8H 4H	17.6	18.4	18.0	18.7	19.1	17.5	18.3	17.9	18.6	19.0
6H	18.2	18.8	18.6	19.2	19.6	17.6	18.2	18.1	18.6	19.1
8H	18.4	18.9	18.8	19.3	19.8	17.6	18.1	18.0	18.5	19.0
12H	18.4	18.9	18.9	19.3	19.8	17.5	18.0	18.0	18.5	18.9
12H 4H	17.6	18.3	18.0	18.7	19.1	17.5	18.2	17.9	18.6	19.0
6H	18.2	18.7	18.6	19.1	19.6	17.6	18.2	18.1	18.6	19.0
8H	18.3	18.8	18.8	19.3	19.7	17.6	18.0	18.0	18.5	19.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.6					+ 0.5 / - 0.5				
1.5H	+ 0.3 / - 0.3					+ 0.4 / - 0.2				
2.0H	+ 1.0 / - 0.8					+ 0.7 / - 0.7				

CIE Pub.117, 3613 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.5$)

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:23 September 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=1.1133]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

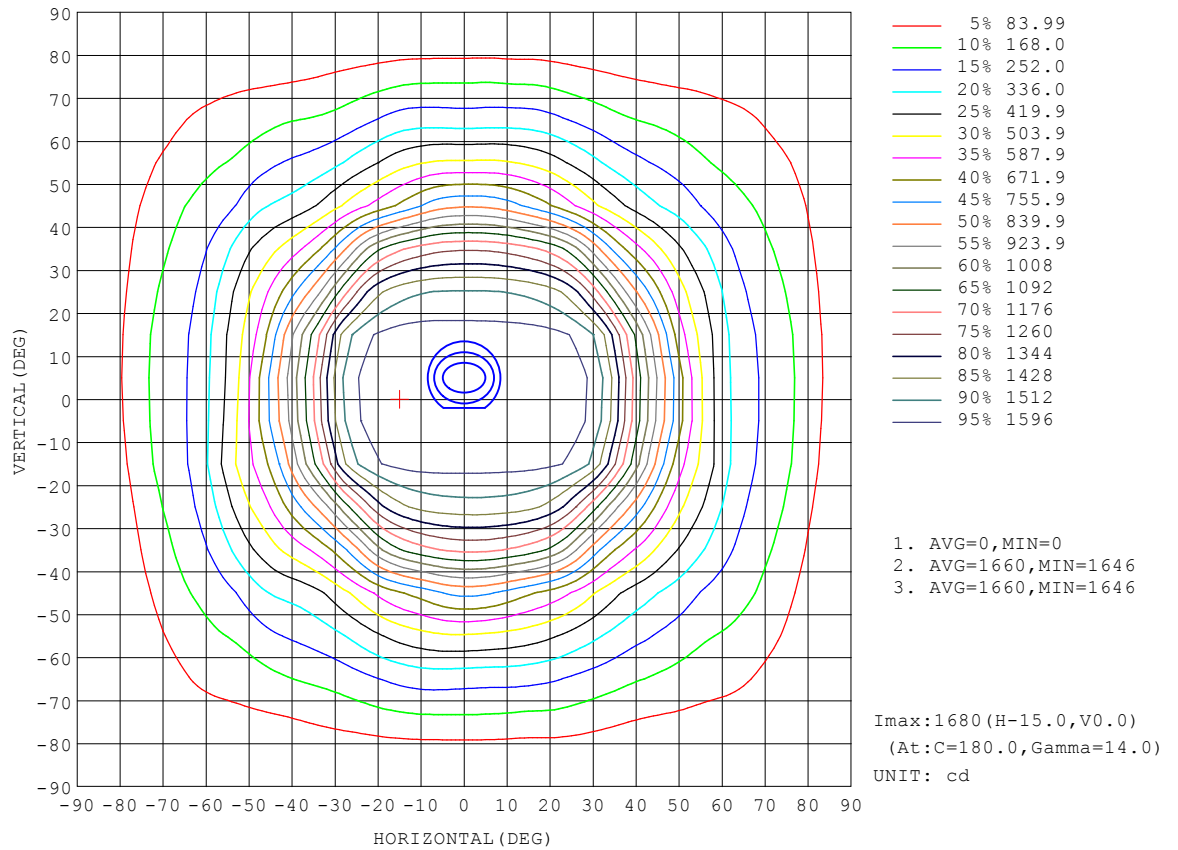
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	56	50	65	56	50	64	55	50	44
0.80	76	66	60	75	65	59	73	65	59	53
1.00	84	74	68	82	74	68	80	75	67	61
1.25	90	81	75	89	81	75	86	79	74	68
1.50	94	86	80	93	85	80	90	84	79	72
2.00	100	93	88	98	92	87	95	90	85	79
2.50	103	97	92	101	95	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
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:23 September 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=1.1133]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

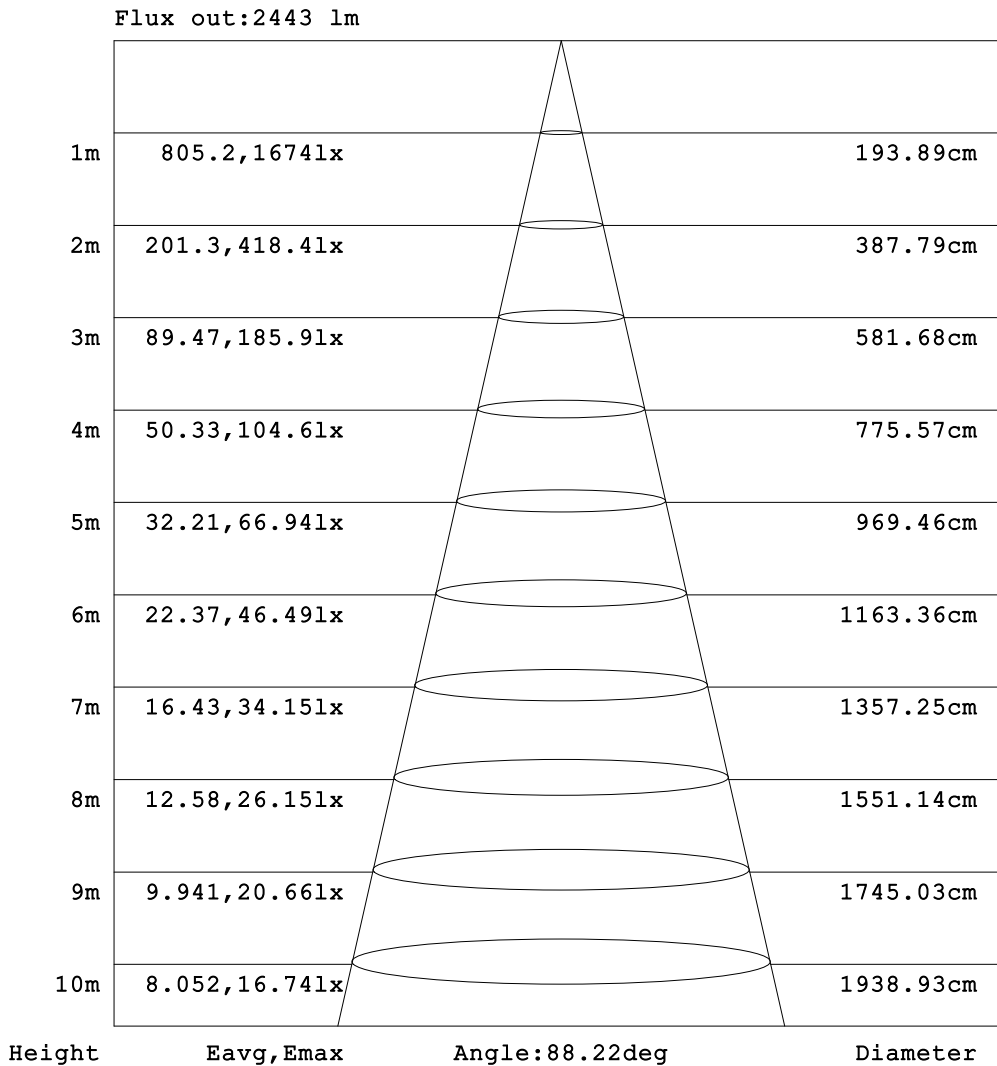


H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:23 September 2021

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=1.1133]
Remarks:

AAI Figure

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D(RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



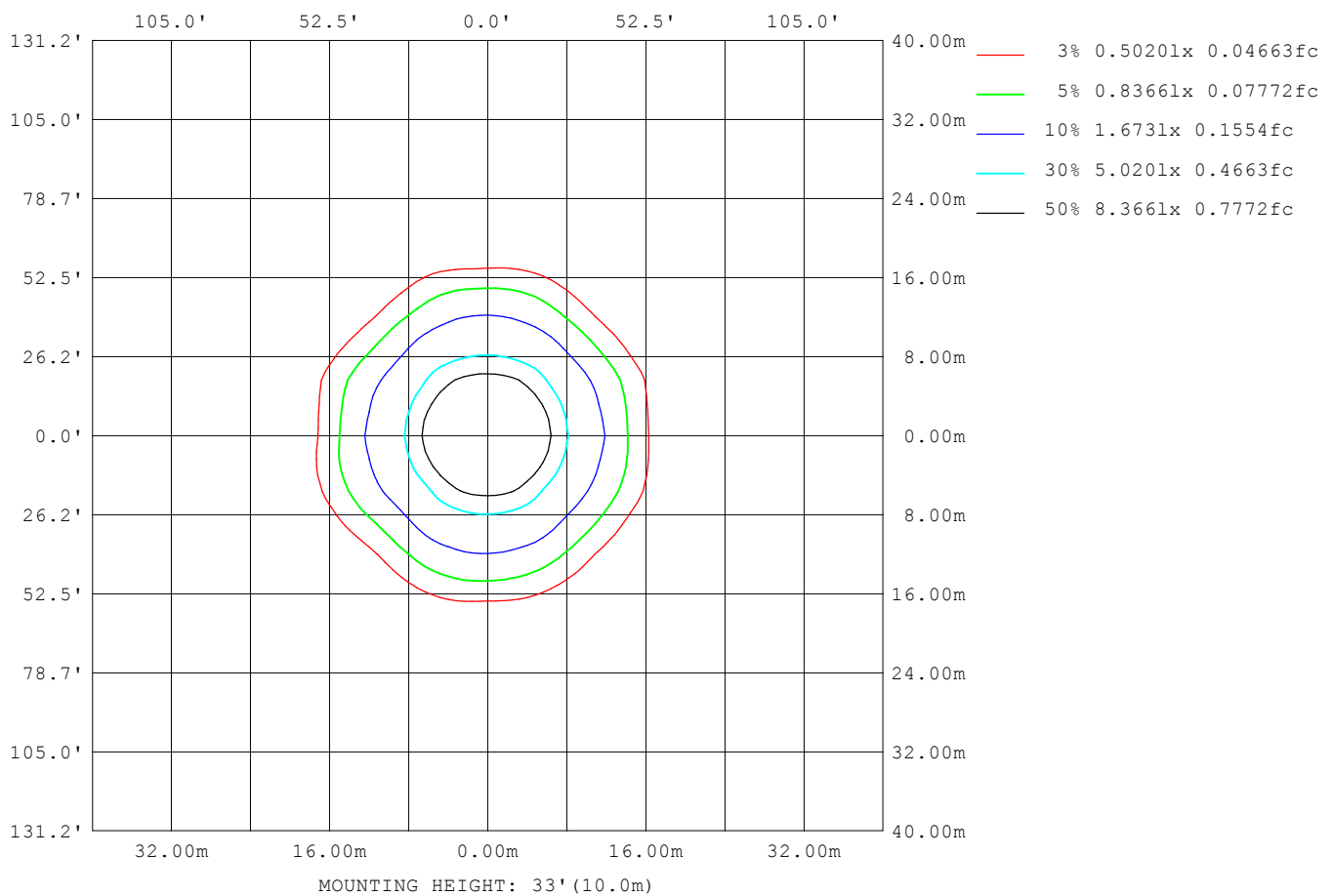
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(□) Range:-90 - 90DEG
 H(□) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:23 September 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=1.1133]
 Remarks:

ISOLUX DIAGRAM

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	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:23 September 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=1.1133]
Remarks:

LED Avg.L Report

Test:U:221.26V I:0.1328A P:27.535W PF:0.9376 Freq:49.99Hz Lamp Flux:3612.85x1 lm		
NAME: GLM-SPL6262-27W-D (RA90)	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

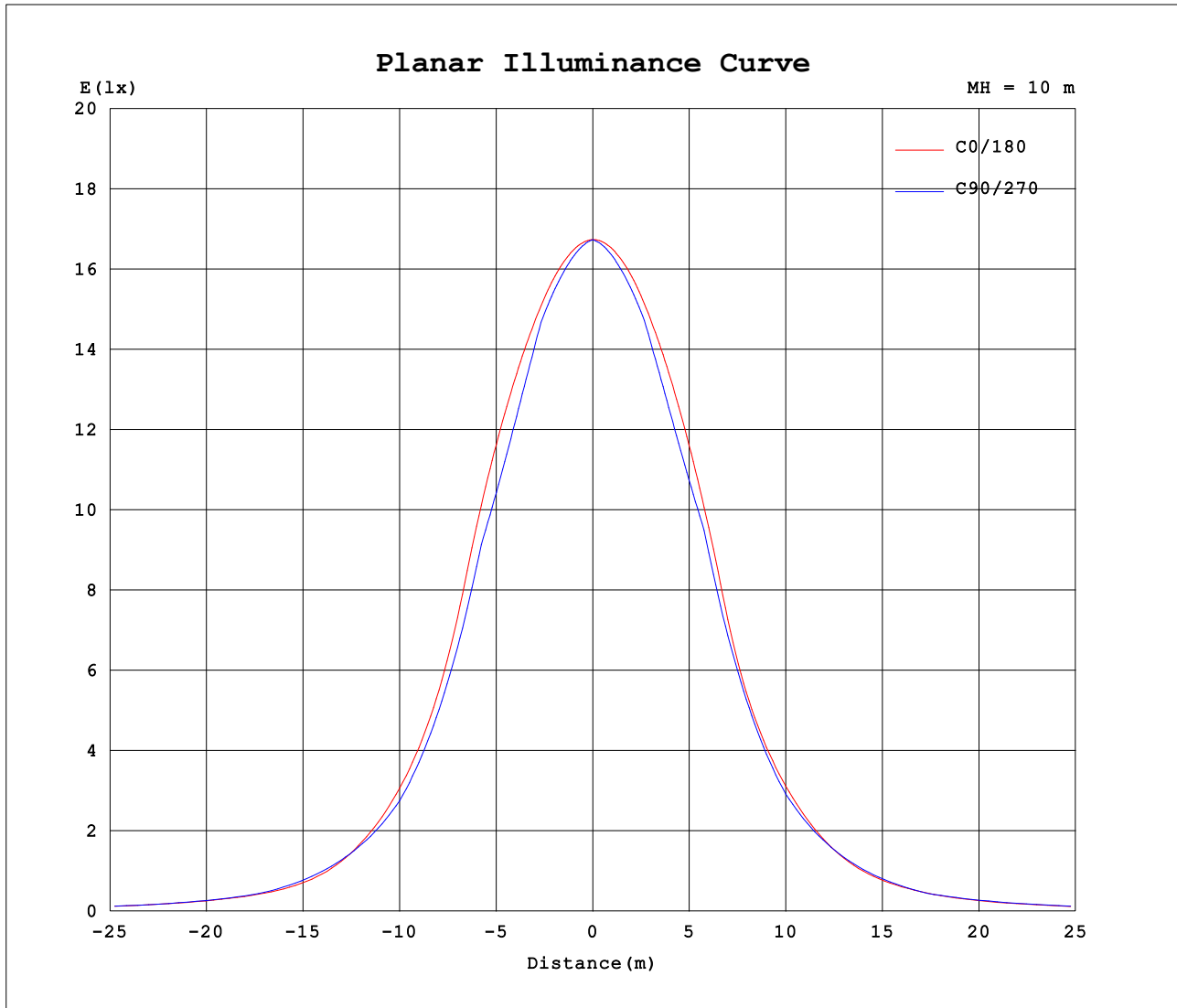
AvgL	cd/m2
L_0~180 (65) av	1990
L_0~180 (75) av	2024
L_0~180 (85) av	975
L_90~270 (65) av	2073
L_90~270 (75) av	1724
L_90~270 (85) av	0
L_45 (65) av	1813
L_45 (75) av	1436
L_45 (85) av	0

Standard: GB/T 29293-2012

H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:23 September 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=1.1133]
Remarks:

Planar Illuminance Curve



H(□) Range:-90 - 90DEG
H(□) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:23 September 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=1.1133]
Remarks:

