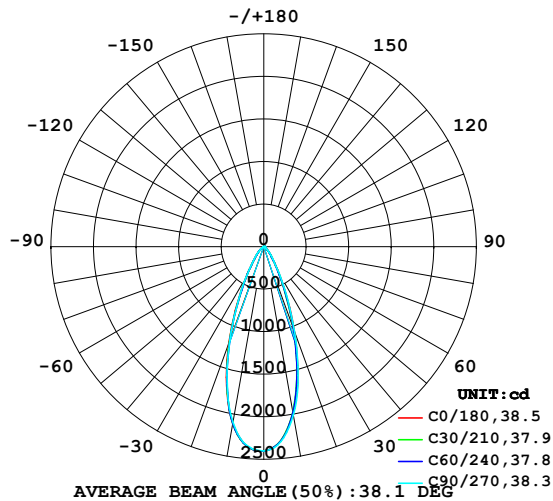


LUMINAIRE PHOTOMETRIC TEST REPORT

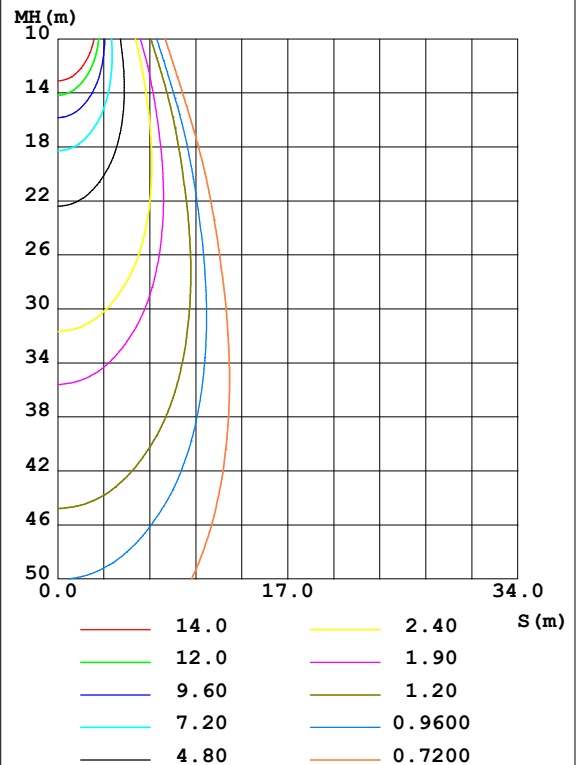
NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.57 lm/W			
MODEL		I _{max} (cd)	2401	S/MH (C0/180)	0.64
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH (C90/270)	0.64
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1231.7	η UP,DN (C0-180)	0.0,48.3
NOMINAL FLUX(lm)	1231.72	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.620m [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	1989	1980	2009	2065	2105	2103	2098	2053	0- 10	212.9	212.9	17.3,17.3
20	1051	1014	1061	1175	1200	1171	1169	1165	10- 20	442.0	654.8	53.2,53.2
30	358.2	344.9	361.1	425.5	427.3	415.0	423.7	430.1	20- 30	320.0	974.9	79.1,79.1
40	131.1	121.3	132.7	151.8	149.9	139.5	149.6	154.5	30- 40	147.3	1122	91.1,91.1
50	42.06	39.18	42.89	50.28	52.16	49.13	51.37	50.12	40- 50	68.18	1190	96.6,96.6
60	11.70	11.43	11.54	12.27	12.86	12.68	12.52	12.29	50- 60	22.29	1213	98.5,98.5
70	7.918	7.782	7.849	8.407	8.307	8.060	8.182	8.385	60- 70	9.656	1222	99.2,99.2
80	4.833	4.675	4.901	5.538	5.698	5.446	5.520	5.435	70- 80	7.268	1230	99.8,99.8
90	0.1092	0.1036	0.1067	0.1069	0.2212	0.2217	0.2076	0.2022	80- 90	2.111	1232	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): 1164.1 lm

%lum = 94.5%

%lamp = 94.5%

Conical surface Flux(120deg): 1212.7 lm

%lum = 98.5%

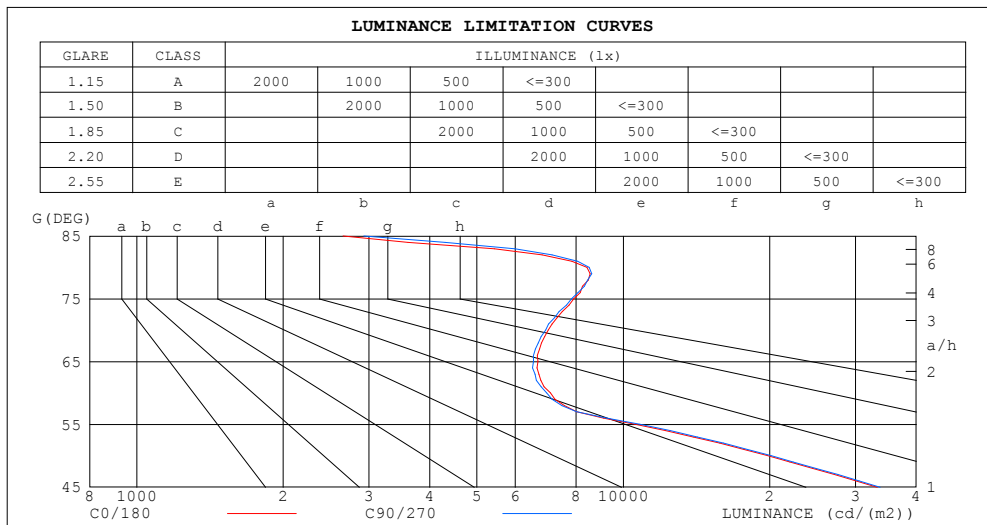
%lamp = 98.5%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2654	2930
80	8423	8513
75	7909	7825
70	7006	6922
65	6675	6537
60	7080	6960
55	10565	10808
50	19803	20127
45	33260	33739

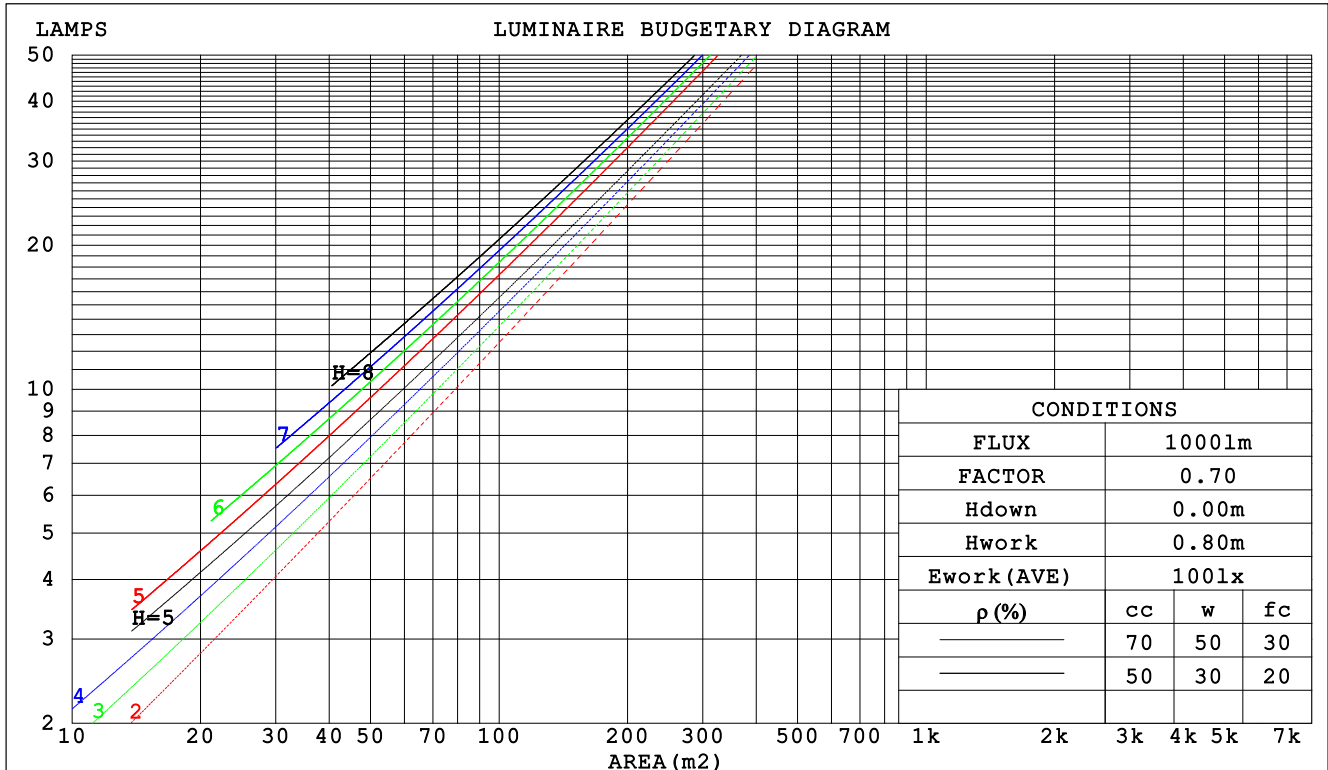
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:#65MM	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			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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.76	.73	.80	.76	.72	.79	.75	.72	.77	.74	.71	.70
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.66
8.0	.74	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.59	.68	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.59	.57



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

WEC AND CCEC

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	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 Wall Exitance Coefficients(WEC)					
0.0						
1.0	.171 .098 .031	.165 .094 .030	.152 .087 .028	.141 .081 .026	.130 .075 .024	
2.0	.162 .089 .027	.157 .086 .027	.146 .081 .025	.136 .076 .024	.127 .072 .023	
3.0	.153 .081 .024	.148 .079 .024	.139 .076 .023	.131 .072 .022	.123 .068 .021	
4.0	.145 .075 .022	.141 .074 .022	.133 .071 .021	.126 .068 .020	.119 .065 .020	
5.0	.137 .070 .020	.134 .069 .020	.127 .066 .019	.121 .064 .019	.115 .061 .018	
6.0	.130 .065 .019	.127 .064 .018	.121 .062 .018	.116 .060 .018	.111 .058 .017	
7.0	.124 .061 .017	.121 .060 .017	.116 .059 .017	.111 .057 .017	.107 .056 .016	
8.0	.118 .058 .016	.116 .057 .016	.111 .056 .016	.107 .054 .016	.103 .053 .015	
9.0	.113 .055 .015	.111 .054 .015	.107 .053 .015	.103 .052 .015	.100 .051 .015	
10.0	.108 .052 .014	.107 .051 .014	.103 .050 .014	.099 .049 .014	.096 .048 .014	

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 Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.171 .157 .145	.146 .135 .125	.100 .093 .086	.058 .054 .050	.018 .017 .016	
2.0	.155 .133 .114	.133 .114 .098	.091 .079 .069	.052 .046 .040	.017 .015 .013	
3.0	.142 .114 .091	.122 .098 .079	.084 .068 .055	.048 .040 .033	.016 .013 .011	
4.0	.131 .099 .074	.112 .085 .064	.077 .059 .045	.045 .035 .027	.014 .011 .009	
5.0	.122 .087 .061	.105 .075 .053	.072 .053 .037	.042 .031 .022	.013 .010 .007	
6.0	.114 .077 .051	.098 .067 .045	.068 .047 .032	.039 .028 .019	.013 .009 .006	
7.0	.107 .070 .043	.092 .060 .038	.064 .042 .027	.037 .025 .016	.012 .008 .005	
8.0	.101 .063 .037	.087 .055 .033	.060 .039 .023	.035 .023 .014	.011 .007 .005	
9.0	.096 .058 .032	.083 .050 .028	.057 .035 .020	.033 .021 .012	.011 .007 .004	
10.0	.091 .053 .028	.079 .046 .025	.055 .033 .018	.032 .019 .011	.010 .006 .003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:					TYPE:CRI90 2700K			WEIGHT:			
SPEC.:CYL-15-CCT-WT					DIM.:			SERIAL No.:1			
MFR.:					SUR.:Φ65MM			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	2H	17.0	17.9	17.2	18.1	18.2	17.1	17.9	17.3	18.1	18.3
	3H	17.1	17.9	17.4	18.1	18.3	17.2	18.0	17.4	18.2	18.4
	4H	17.3	18.0	17.5	18.2	18.5	17.3	18.0	17.5	18.3	18.5
	6H	17.4	18.1	17.7	18.4	18.6	17.4	18.2	17.7	18.4	18.7
	8H	17.5	18.2	17.8	18.4	18.7	17.5	18.2	17.8	18.4	18.7
	12H	17.4	18.1	17.8	18.4	18.6	17.5	18.1	17.8	18.4	18.7
4H	2H	16.9	17.7	17.2	17.9	18.1	16.9	17.7	17.2	17.9	18.1
	3H	17.1	17.8	17.4	18.0	18.3	17.1	17.8	17.5	18.1	18.3
	4H	17.4	18.0	17.7	18.3	18.6	17.4	18.0	17.7	18.3	18.6
	6H	17.7	18.2	18.0	18.5	18.9	17.7	18.2	18.0	18.5	18.9
	8H	17.7	18.2	18.1	18.6	18.9	17.8	18.3	18.1	18.6	19.0
	12H	17.7	18.2	18.1	18.5	18.9	17.7	18.2	18.1	18.6	19.0
8H	4H	17.4	17.9	17.8	18.2	18.6	17.4	17.9	17.8	18.3	18.6
	6H	17.8	18.2	18.2	18.6	19.0	17.8	18.2	18.2	18.6	19.0
	8H	17.9	18.3	18.4	18.7	19.1	17.9	18.3	18.4	18.7	19.2
	12H	17.9	18.2	18.4	18.6	19.1	17.9	18.2	18.4	18.7	19.2
12H	4H	17.4	17.8	17.8	18.2	18.6	17.4	17.8	17.8	18.2	18.6
	6H	17.8	18.2	18.3	18.6	19.0	17.8	18.2	18.3	18.6	19.0
	8H	17.9	18.2	18.4	18.7	19.1	18.0	18.3	18.4	18.7	19.2
Variations with the observer position at spacings:											
S = 1.0H		+ 1.7 / - 2.5					+ 1.7 / - 2.4				
1.5H		+ 2.8 / - 2.7					+ 2.8 / - 2.7				
2.0H		+ 3.6 / - 1.7					+ 3.6 / - 1.7				

CIE Pub.117, 1232 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

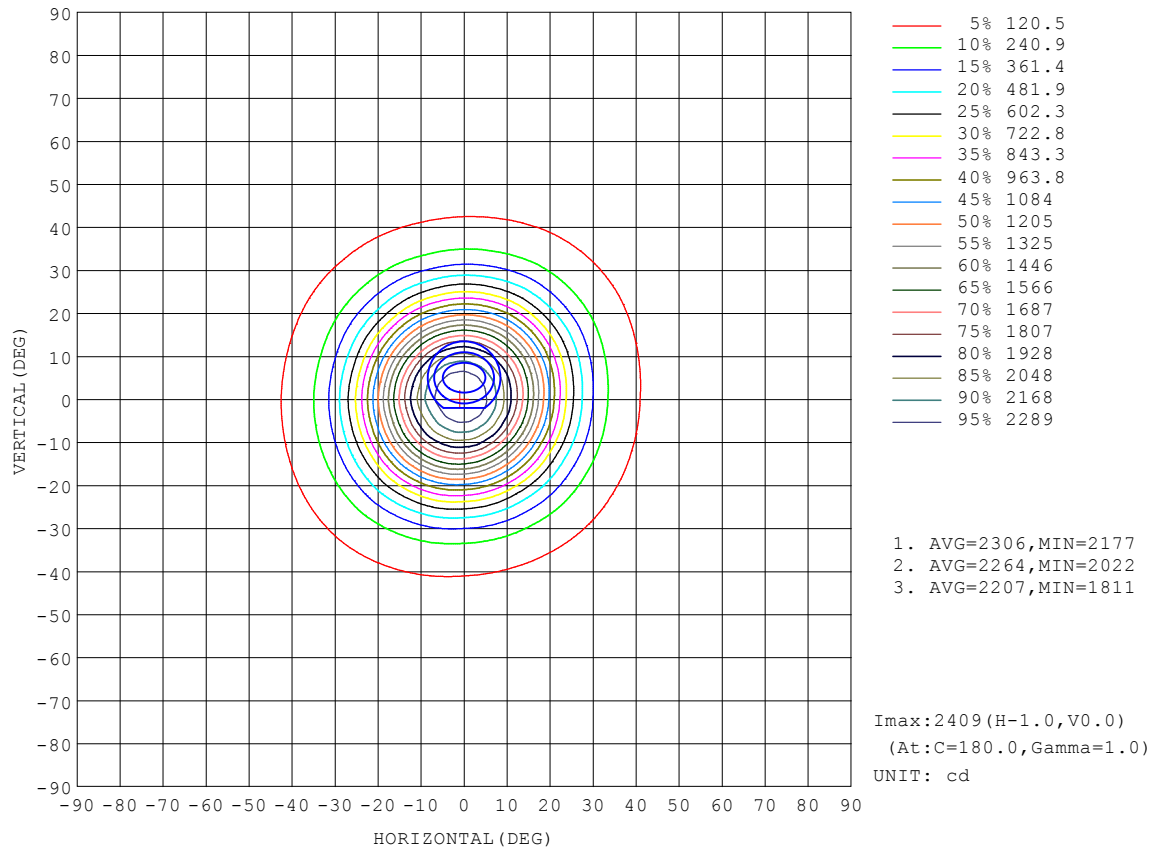
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

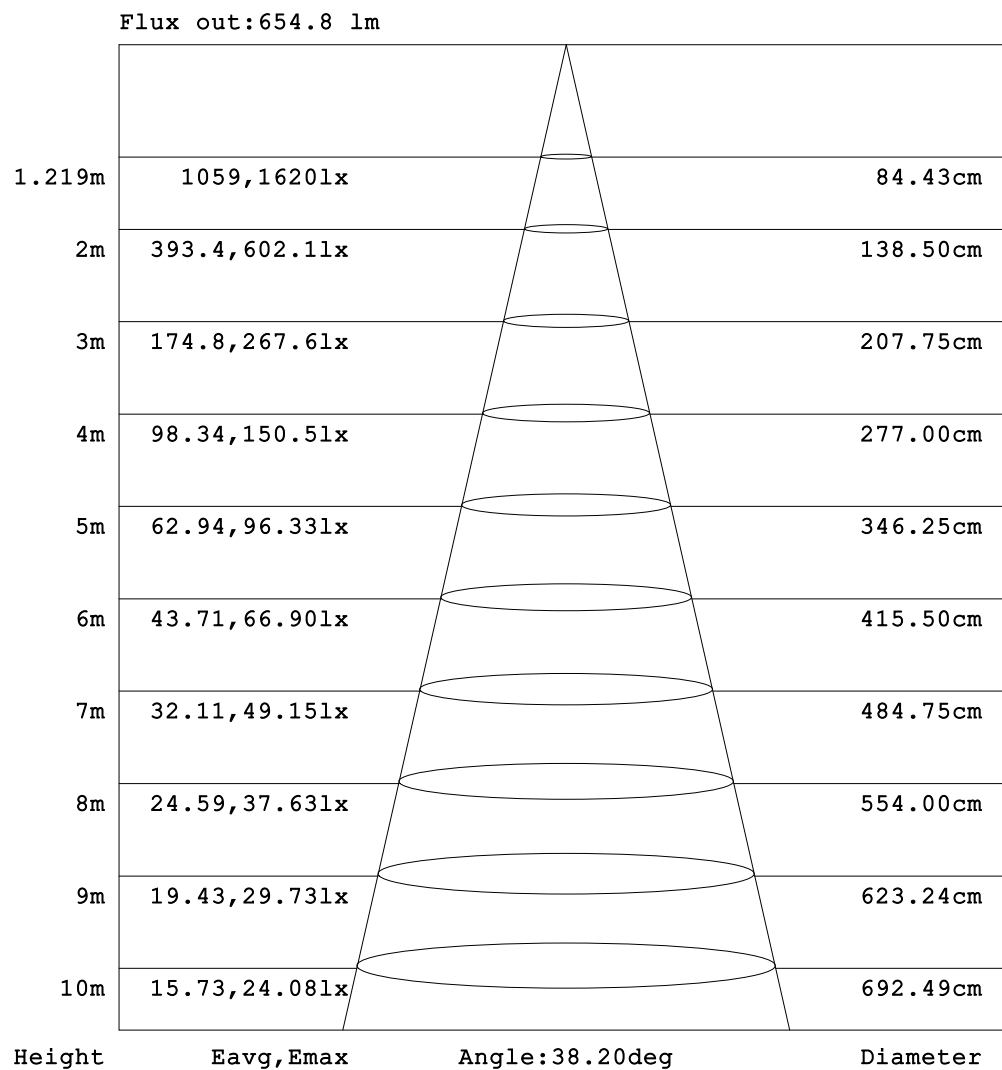


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

AAI Figure

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



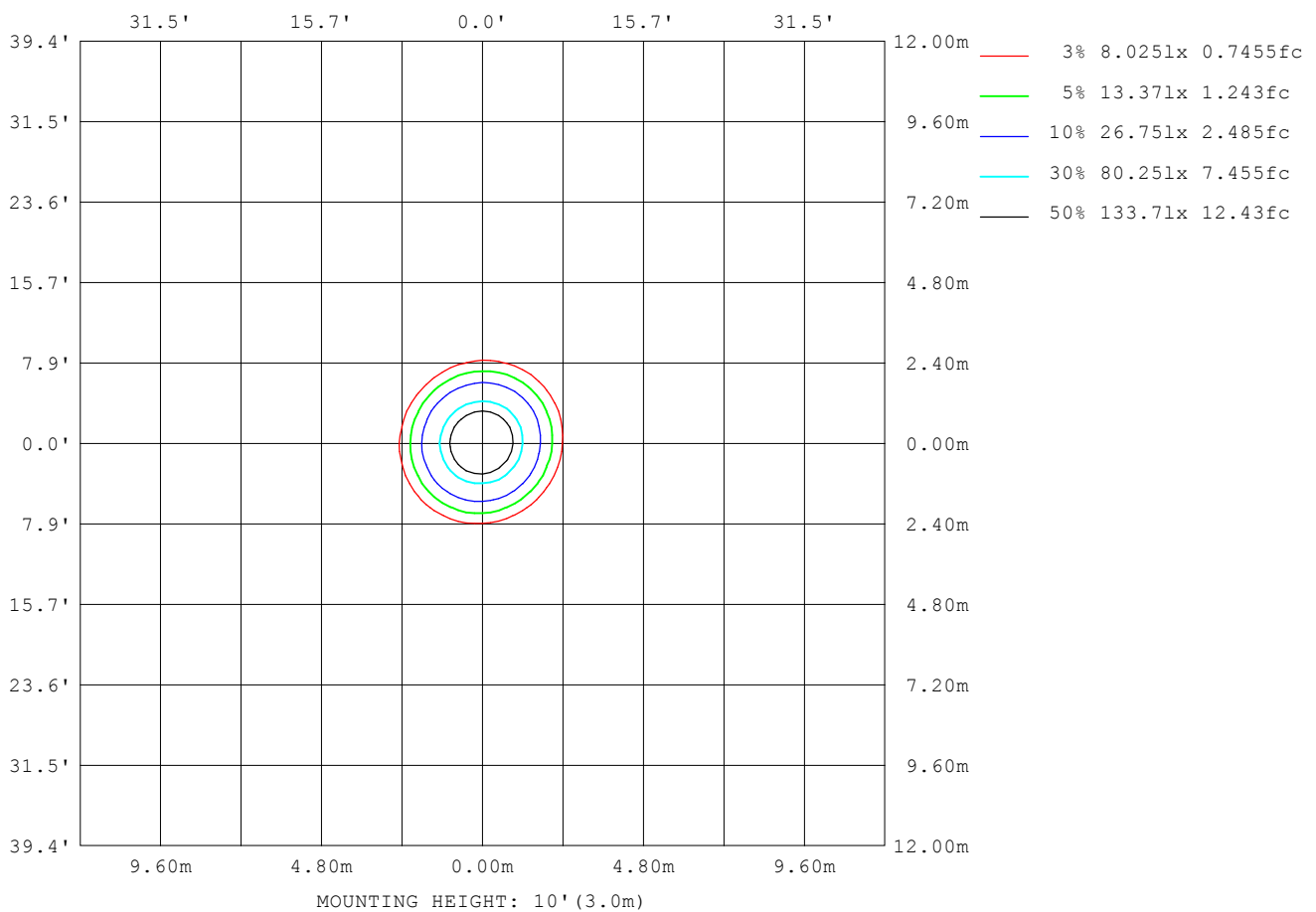
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-07-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.620m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

LED Avg.L Report

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

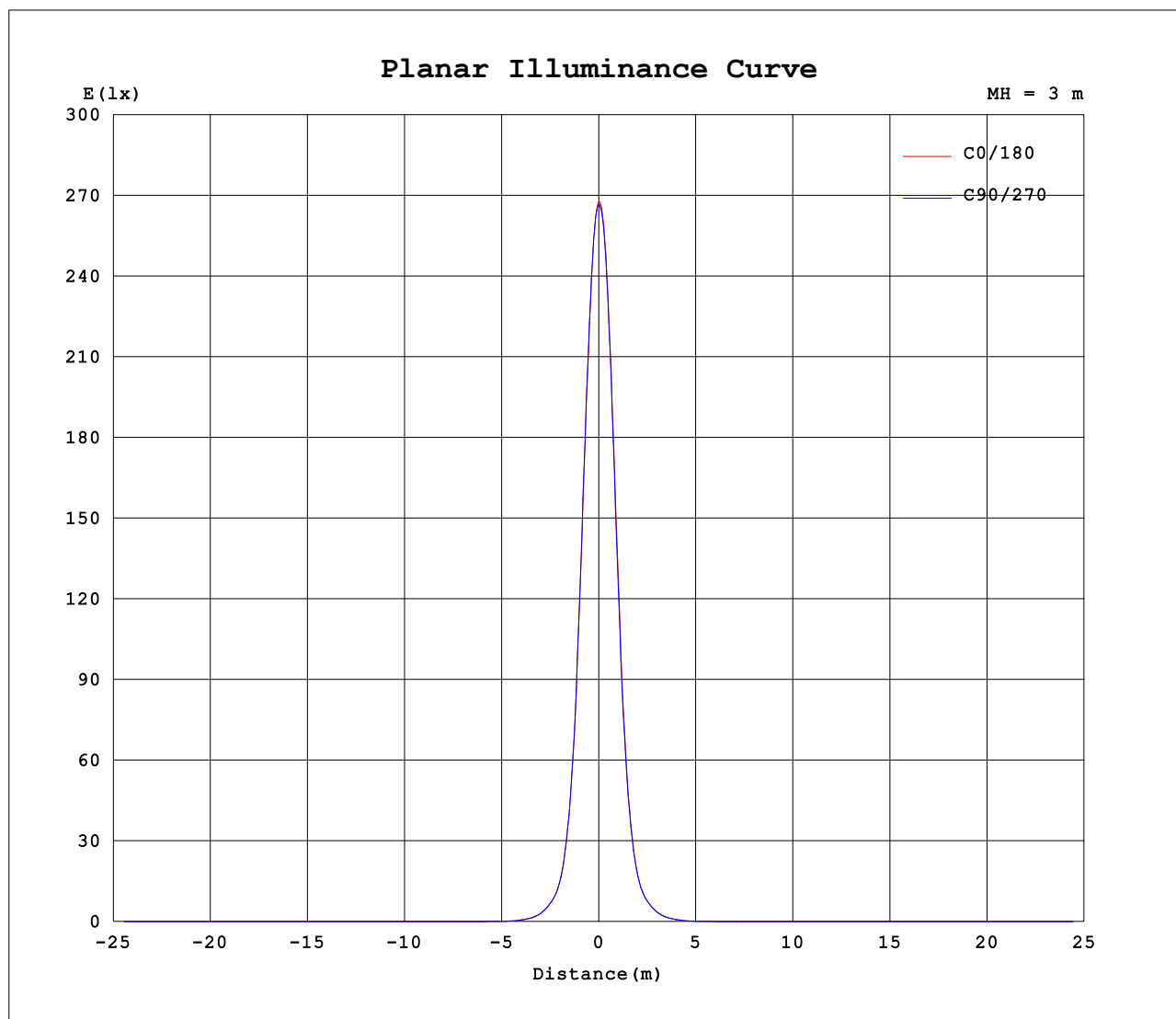
AvgL	cd/m2
L_0~180 (65) av	6852
L_0~180 (75) av	8128
L_0~180 (85) av	4527
L_90~270 (65) av	6737
L_90~270 (75) av	8020
L_90~270 (85) av	4238
L_45 (65) av	6847
L_45 (75) av	8163
L_45 (85) av	4284

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 5.620m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```