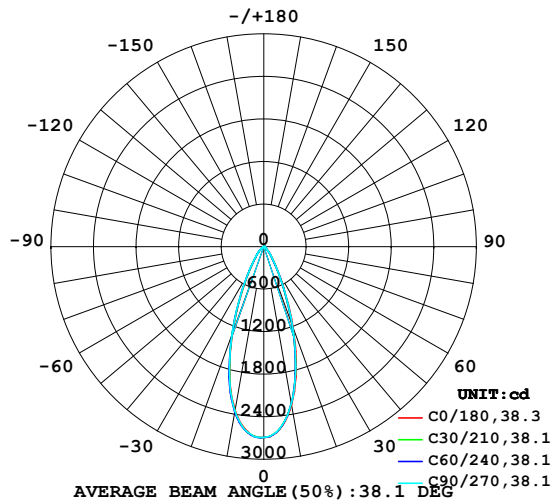


LUMINAIRE PHOTOMETRIC TEST REPORT

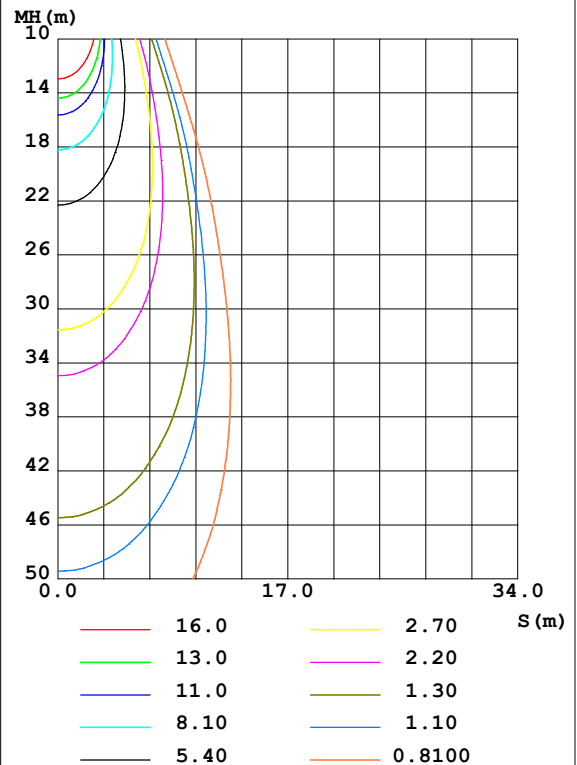
NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.84 lm/W
MODEL		Imax(cd)	2697	S/MH(C0/180)	0.63	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.63	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1359.5	η UP,DN(C0-180)	0.0,48.3	
NOMINAL FLUX(lm)	1359.45	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	2261	2250	2246	2288	2340	2351	2355	2319	0- 10	238.9	238.9	17.6,17.6
20	1205	1168	1180	1241	1298	1307	1307	1284	10- 20	494.6	733.5	54,54
30	405.2	396.6	392.6	423.8	448.9	459.1	463.6	448.3	20- 30	350.4	1084	79.7,79.7
40	146.5	140.7	144.3	149.5	158.2	156.9	163.1	156.8	30- 40	158.1	1242	91.4,91.4
50	47.41	44.98	46.33	49.44	54.42	54.19	55.84	51.94	40- 50	73.19	1315	96.7,96.7
60	12.82	12.52	12.38	12.90	13.56	13.64	13.50	13.17	50- 60	23.90	1339	98.5,98.5
70	8.582	8.569	8.396	8.728	8.822	8.778	8.762	8.813	60- 70	10.35	1349	99.3,99.3
80	5.342	5.234	5.203	5.603	5.944	5.889	5.921	5.769	70- 80	7.769	1357	99.8,99.8
90	0.0953	0.0923	0.0951	0.0922	0.2080	0.2048	0.2045	0.1960	80- 90	2.235	1359	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): 1287 lm

%lum = 94.7%

%lamp = 94.7%

Conical surface Flux(120deg): 1339.1 lm

%lum = 98.5%

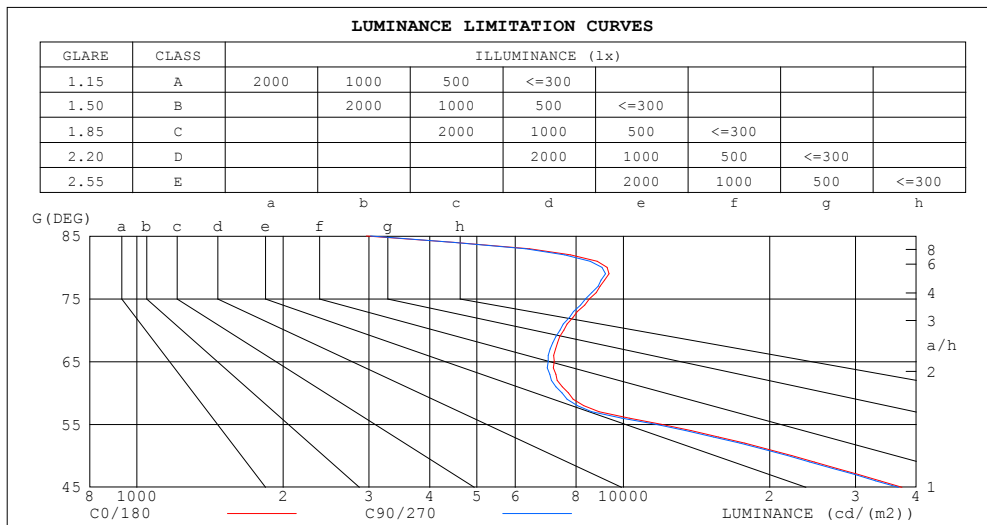
%lamp = 98.5%

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 3500K	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	2962	3021
80	9259	9044
75	8517	8369
70	7553	7410
65	7212	7008
60	7717	7477
55	11950	11641
50	22201	21757
45	37387	36780

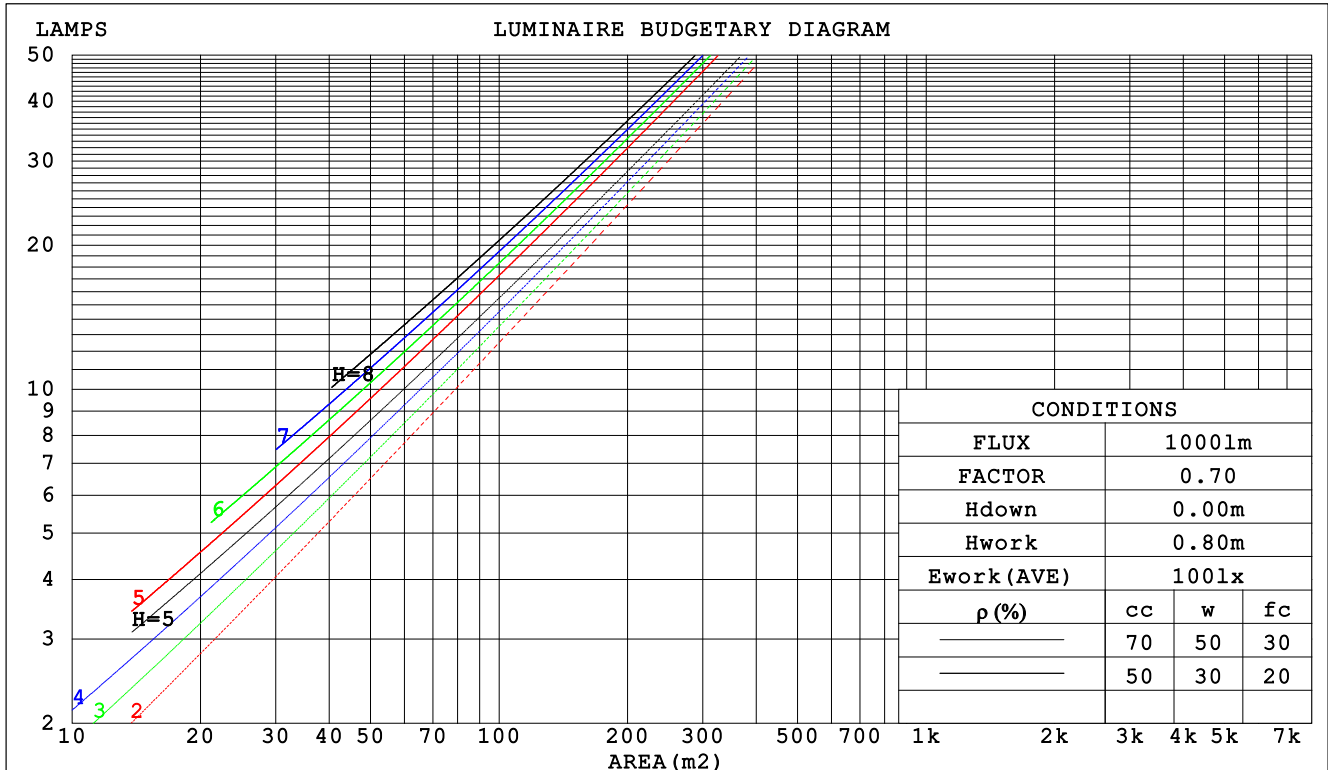
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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 3500K	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	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.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	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8.0	.75	.69	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.68	.65	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.65	.62	.61
10.0	.68	.63	.60	.68	.63	.59	.67	.63	.59	.66	.62	.59	.66	.62	.59	.58



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 3500K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:#65MM	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	.170 .097 .031	.164 .093 .030	.151 .087 .028	.140 .081 .026	.129 .075 .024	
2.0	.161 .088 .027	.156 .086 .026	.145 .081 .025	.135 .076 .024	.126 .071 .023	
3.0	.152 .081 .024	.147 .079 .024	.138 .075 .023	.130 .071 .022	.123 .068 .021	
4.0	.144 .075 .022	.140 .073 .022	.132 .070 .021	.125 .067 .020	.118 .064 .020	
5.0	.136 .069 .020	.133 .068 .020	.126 .066 .019	.120 .063 .019	.114 .061 .018	
6.0	.129 .065 .019	.126 .064 .018	.121 .062 .018	.115 .060 .018	.110 .058 .017	
7.0	.123 .061 .017	.121 .060 .017	.115 .058 .017	.111 .057 .017	.106 .055 .016	
8.0	.118 .057 .016	.115 .057 .016	.111 .055 .016	.106 .054 .016	.102 .053 .015	
9.0	.112 .054 .015	.110 .054 .015	.106 .053 .015	.102 .051 .015	.099 .050 .015	
10.0	.108 .052 .014	.106 .051 .014	.102 .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 .087	.057 .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	.083 .068 .055	.048 .040 .033	.015 .013 .011	
4.0	.131 .099 .074	.112 .085 .064	.077 .059 .045	.045 .035 .027	.014 .011 .009	
5.0	.122 .087 .061	.104 .075 .053	.072 .052 .038	.042 .031 .022	.013 .010 .007	
6.0	.114 .077 .051	.098 .067 .045	.067 .047 .032	.039 .028 .019	.013 .009 .006	
7.0	.107 .070 .044	.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	.082 .050 .028	.057 .035 .020	.033 .021 .012	.011 .007 .004	
10.0	.091 .053 .028	.078 .046 .025	.054 .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 3500K			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	17.3	18.1	17.5	18.3	18.5	17.1	18.0	17.4	18.2	18.3
	3H	17.3	18.1	17.6	18.3	18.5	17.2	18.0	17.5	18.2	18.4
	4H	17.4	18.2	17.7	18.4	18.6	17.3	18.1	17.6	18.3	18.5
	6H	17.6	18.3	17.9	18.6	18.8	17.5	18.2	17.8	18.4	18.7
	8H	17.6	18.3	17.9	18.6	18.8	17.5	18.2	17.8	18.5	18.7
	12H	17.6	18.3	17.9	18.5	18.8	17.5	18.2	17.8	18.4	18.7
4H	2H	17.1	17.9	17.4	18.1	18.3	17.0	17.8	17.3	18.0	18.2
	3H	17.3	18.0	17.6	18.2	18.5	17.2	17.9	17.5	18.1	18.4
	4H	17.5	18.1	17.9	18.4	18.7	17.4	18.0	17.8	18.3	18.6
	6H	17.8	18.3	18.2	18.7	19.0	17.7	18.2	18.1	18.6	18.9
	8H	17.9	18.4	18.3	18.7	19.1	17.8	18.3	18.2	18.6	19.0
	12H	17.9	18.3	18.3	18.7	19.1	17.8	18.2	18.2	18.6	19.0
8H	4H	17.6	18.0	17.9	18.4	18.8	17.4	17.9	17.8	18.3	18.7
	6H	17.9	18.4	18.4	18.7	19.2	17.8	18.3	18.3	18.6	19.1
	8H	18.1	18.4	18.5	18.8	19.3	18.0	18.3	18.4	18.7	19.2
	12H	18.0	18.4	18.5	18.8	19.3	17.9	18.3	18.4	18.7	19.2
12H	4H	17.5	18.0	17.9	18.4	18.7	17.4	17.9	17.8	18.3	18.6
	6H	17.9	18.3	18.4	18.7	19.2	17.8	18.2	18.3	18.6	19.1
	8H	18.1	18.4	18.5	18.8	19.3	18.0	18.3	18.4	18.7	19.2
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.6					+ 1.6 / - 2.6				
1.5H		+ 2.7 / - 2.8					+ 2.6 / - 2.8				
2.0H		+ 3.5 / - 1.8					+ 3.5 / - 1.8				

CIE Pub.117, 1359 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.1)

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:

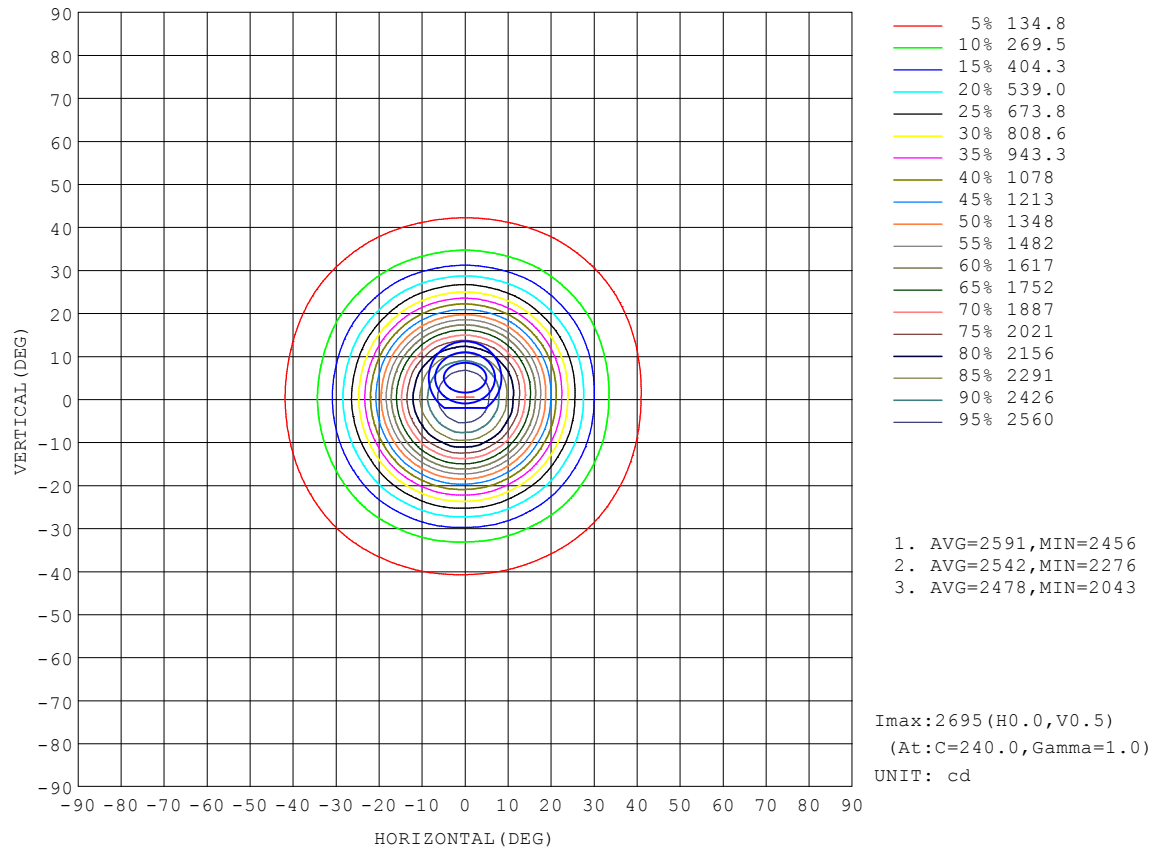
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

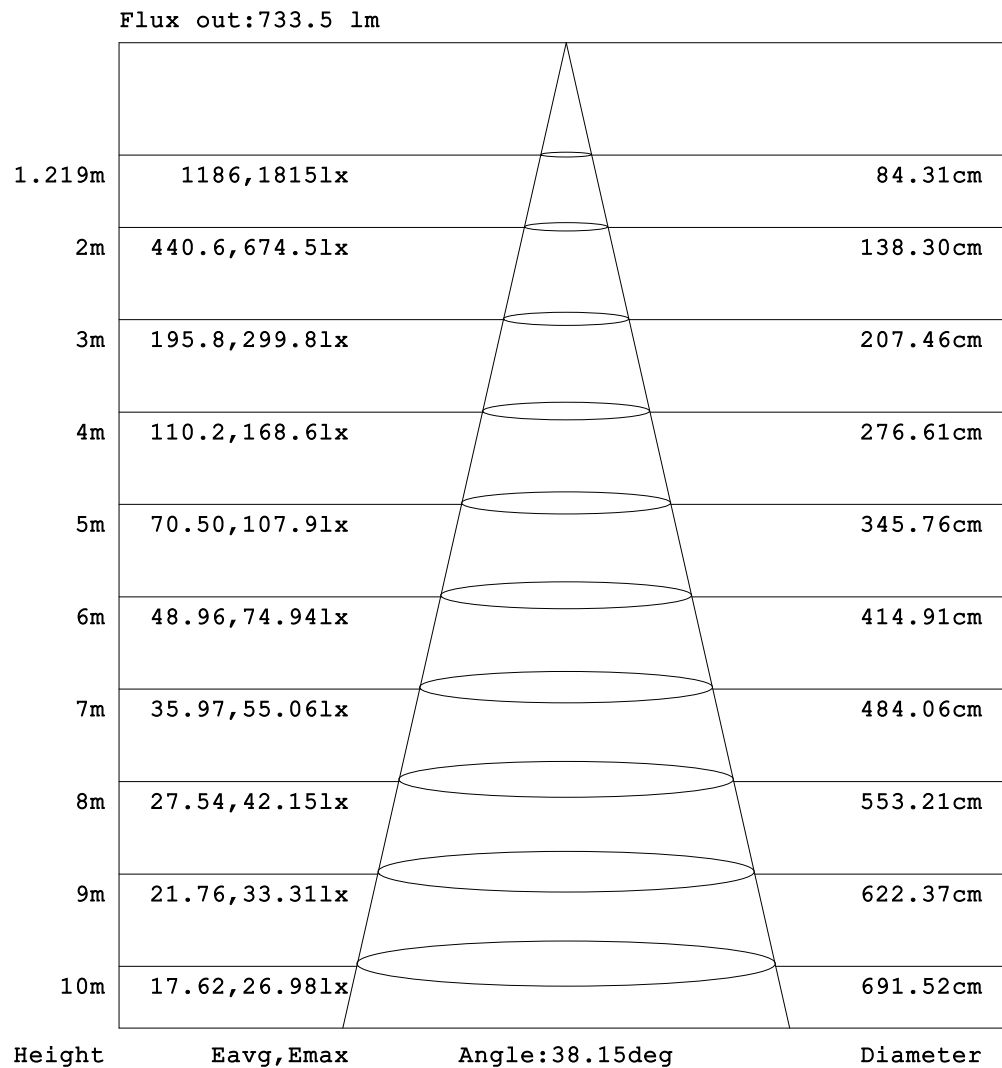


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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 3500K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



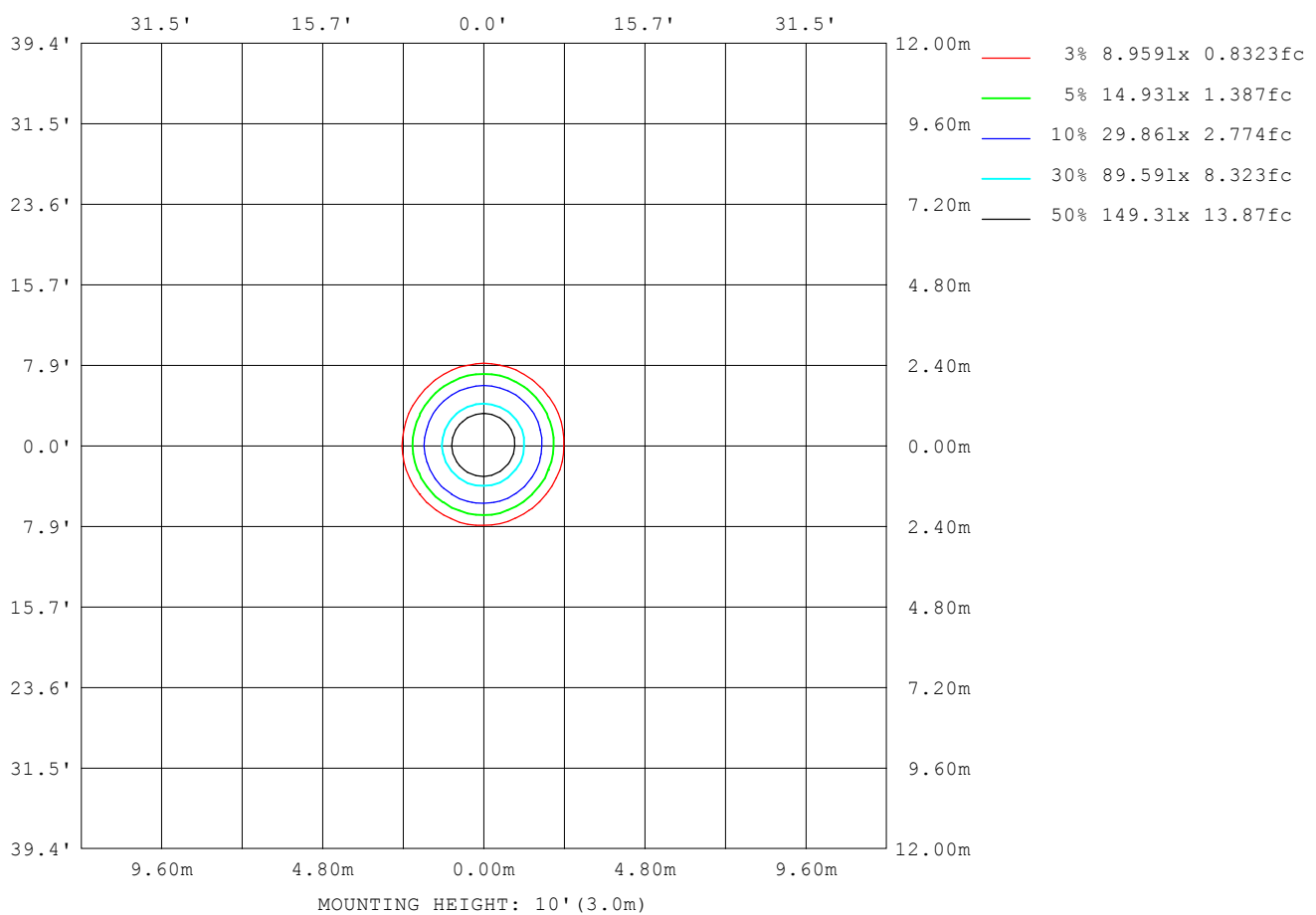
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 3500K	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 3500K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

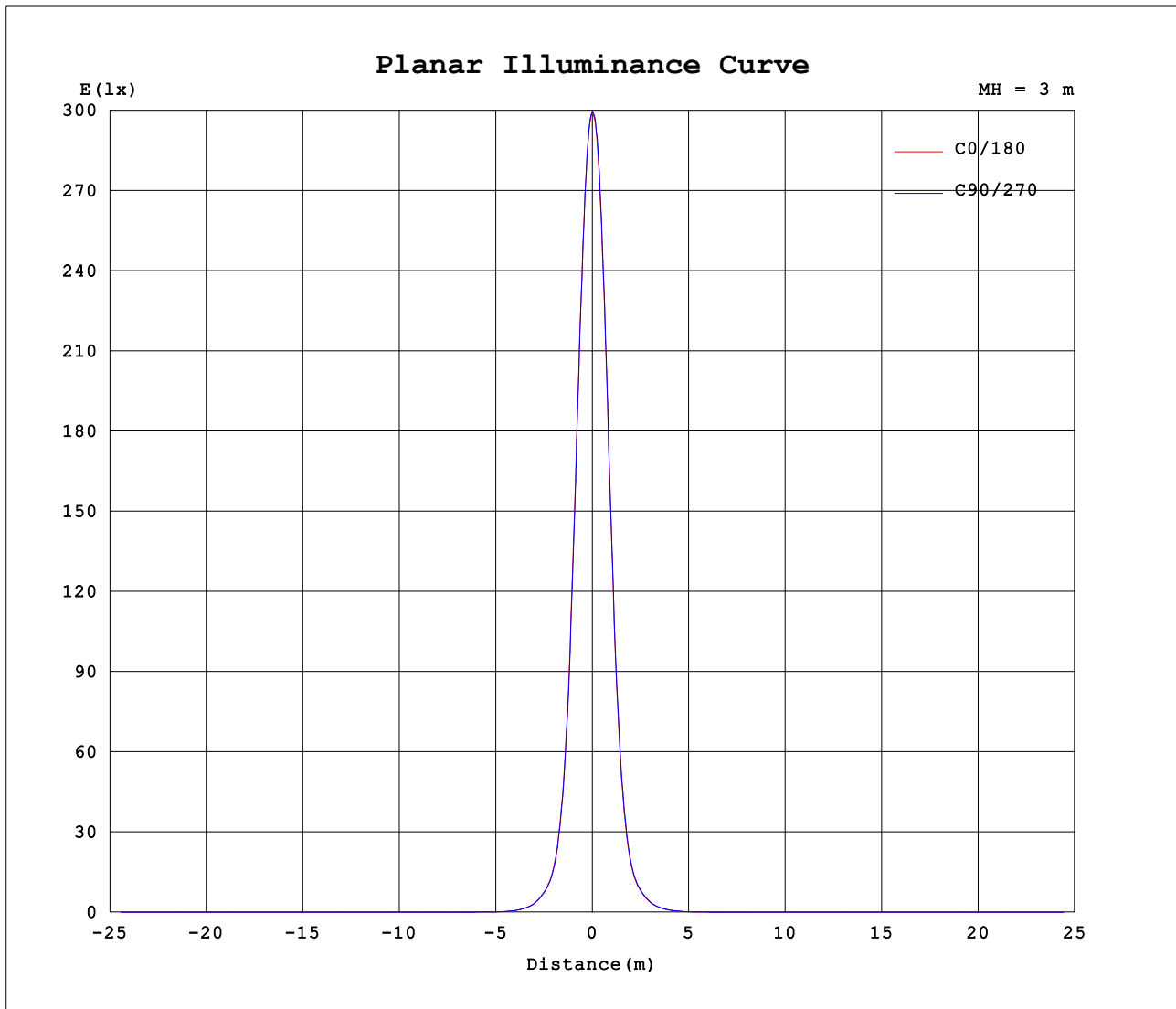
AvgL	cd/m2
L_0~180 (65) av	7351
L_0~180 (75) av	8711
L_0~180 (85) av	4417
L_90~270 (65) av	7225
L_90~270 (75) av	8580
L_90~270 (85) av	4508
L_45 (65) av	7325
L_45 (75) av	8727
L_45 (85) av	4420

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

```