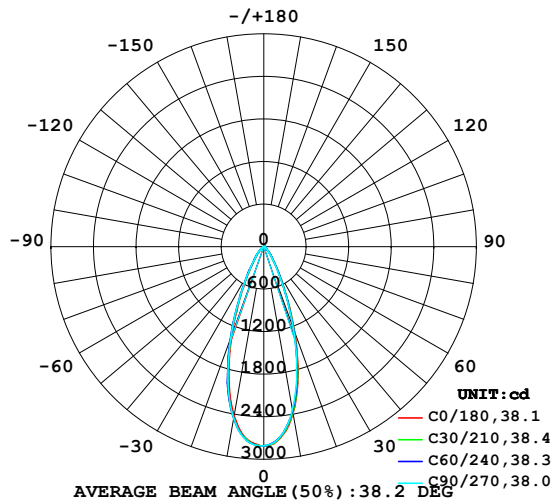


LUMINAIRE PHOTOMETRIC TEST REPORT

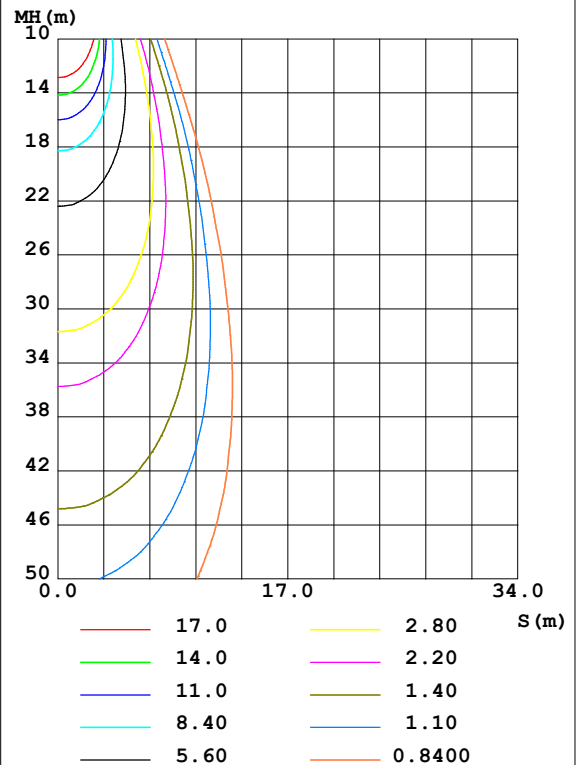
NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.53 lm/W
MODEL		Imax(cd)	2812	S/MH(C0/180)	0.62	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.63	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1392.3	η UP,DN(C0-180)	0.0,48.3	
NOMINAL FLUX(lm)	1392.29	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	0.60	

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	2388	2368	2337	2362	2420	2447	2459	2422	0- 10	249.4	249.4	17.9,17.9
20	1274	1249	1218	1217	1316	1368	1365	1297	10- 20	514.0	763.3	54.8,54.8
30	418.8	422.5	394.4	385.8	440.5	476.4	469.8	420.2	20- 30	355.6	1119	80.4,80.4
40	151.0	151.6	145.5	133.2	155.7	165.3	165.1	142.1	30- 40	156.8	1276	91.6,91.6
50	48.94	47.92	46.69	44.52	53.12	56.00	56.44	47.94	40- 50	72.63	1348	96.8,96.8
60	12.86	12.72	12.34	12.58	13.37	13.66	13.50	12.94	50- 60	23.72	1372	98.6,98.6
70	8.548	8.752	8.310	8.335	8.676	8.881	8.700	8.478	60- 70	10.26	1382	99.3,99.3
80	5.396	5.412	5.138	5.253	5.770	5.949	5.849	5.559	70- 80	7.676	1390	99.8,99.8
90	0.0922	0.0923	0.0923	0.0894	0.2018	0.2018	0.2019	0.1903	80- 90	2.202	1392	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): 1320.4 lm

%lum = 94.8%

%lamp = 94.8%

Conical surface Flux(120deg): 1372.1 lm

%lum = 98.6%

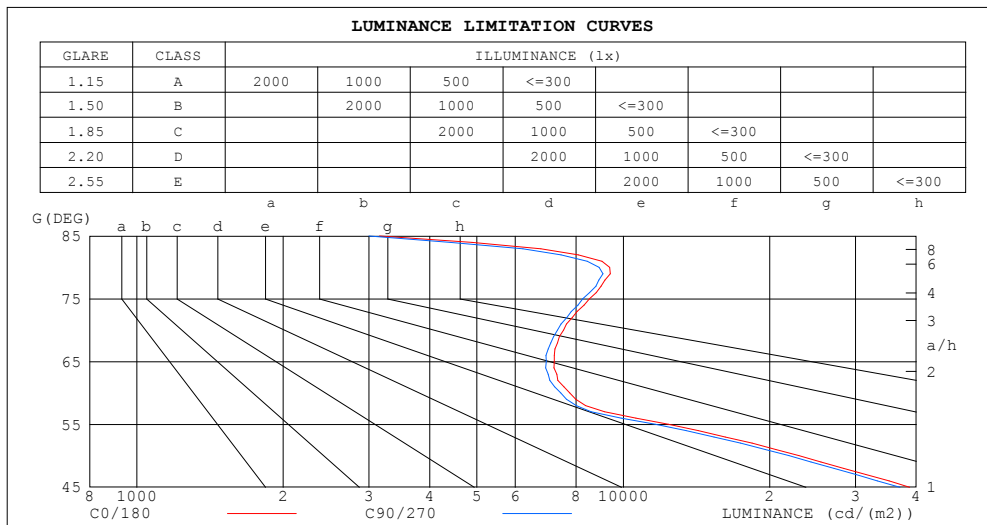
%lamp = 98.6%

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 5000K	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	3155	3001
80	9374	8919
75	8517	8262
70	7540	7324
65	7212	6946
60	7757	7439
55	12365	11629
50	22970	21893
45	38764	37038

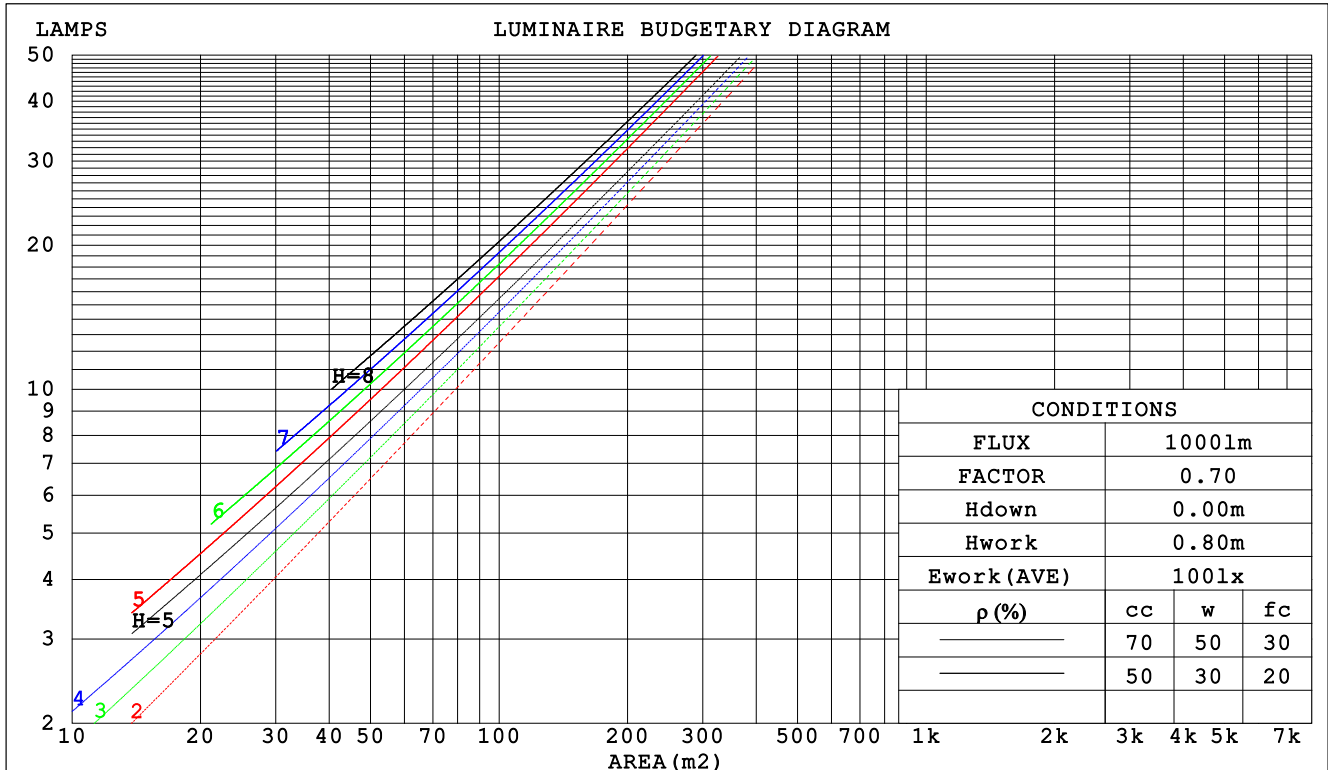
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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 5000K	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	.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	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.92	.89	.94	.90	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.87	.82	.78	.86	.82	.78	.85	.80	.77	.83	.79	.76	.82	.78	.76	.74
6.0	.83	.77	.74	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.71
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.69	.66	.74	.69	.66	.73	.68	.65	.72	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.63	.70	.65	.62	.69	.65	.62	.61
10.0	.69	.63	.60	.68	.63	.60	.68	.63	.60	.67	.63	.60	.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 5000K	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	.169	.096	.031	.163	.093	.029	.150	.086	.028	.139	.080	.026	.128	.074	.024	
2.0	.160	.088	.027	.154	.085	.026	.144	.080	.025	.134	.075	.024	.125	.071	.022	
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.023	.129	.071	.022	.121	.067	.021	
4.0	.143	.074	.022	.139	.073	.021	.131	.069	.021	.124	.067	.020	.117	.064	.019	
5.0	.135	.069	.020	.132	.068	.020	.125	.065	.019	.119	.063	.019	.113	.060	.018	
6.0	.128	.064	.018	.125	.063	.018	.120	.061	.018	.114	.059	.017	.109	.057	.017	
7.0	.122	.060	.017	.120	.060	.017	.115	.058	.017	.110	.056	.016	.105	.055	.016	
8.0	.117	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.015	.102	.052	.015	
9.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.050	.014	.098	.049	.014	.095	.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	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.113	.091	.121	.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	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.051	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.029	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.004	

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 5000K			WEIGHT:			
SPEC.:CYL-15-CCT-WT					DIM.:			SERIAL No.:1			
MFR.:					SUR.: ϕ 65MM			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	17.5	18.4	17.7	18.5	18.7	17.3	18.1	17.5	18.3	18.4
	3H	17.5	18.3	17.8	18.5	18.7	17.3	18.1	17.6	18.3	18.5
	4H	17.6	18.4	17.9	18.6	18.8	17.4	18.2	17.7	18.4	18.6
	6H	17.8	18.5	18.1	18.7	19.0	17.5	18.3	17.8	18.5	18.7
	8H	17.8	18.5	18.1	18.7	19.0	17.6	18.3	17.9	18.5	18.8
	12H	17.8	18.4	18.1	18.7	19.0	17.5	18.2	17.9	18.5	18.7
4H	2H	17.3	18.1	17.6	18.3	18.5	17.1	17.9	17.4	18.1	18.3
	3H	17.5	18.2	17.8	18.4	18.7	17.3	17.9	17.6	18.2	18.5
	4H	17.7	18.3	18.0	18.6	18.9	17.5	18.1	17.8	18.4	18.7
	6H	17.9	18.5	18.3	18.8	19.2	17.7	18.3	18.1	18.6	18.9
	8H	18.0	18.5	18.4	18.9	19.2	17.8	18.3	18.2	18.6	19.0
	12H	18.0	18.5	18.4	18.8	19.2	17.8	18.2	18.2	18.6	19.0
8H	4H	17.7	18.2	18.1	18.5	18.9	17.5	18.0	17.9	18.3	18.7
	6H	18.1	18.5	18.5	18.9	19.3	17.9	18.3	18.3	18.7	19.1
	8H	18.2	18.6	18.6	19.0	19.4	18.0	18.3	18.4	18.8	19.2
	12H	18.2	18.5	18.7	18.9	19.4	18.0	18.3	18.4	18.7	19.2
12H	4H	17.7	18.1	18.1	18.5	18.9	17.5	17.9	17.9	18.3	18.7
	6H	18.1	18.4	18.5	18.9	19.3	17.9	18.2	18.3	18.7	19.1
	8H	18.2	18.5	18.7	19.0	19.4	18.0	18.3	18.5	18.8	19.2
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.7					+ 1.6 / - 2.7				
1.5H		+ 2.6 / - 2.8					+ 2.5 / - 2.8				
2.0H		+ 3.5 / - 1.9					+ 3.5 / - 1.9				

CIE Pub.117, 1392 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.1$)

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:

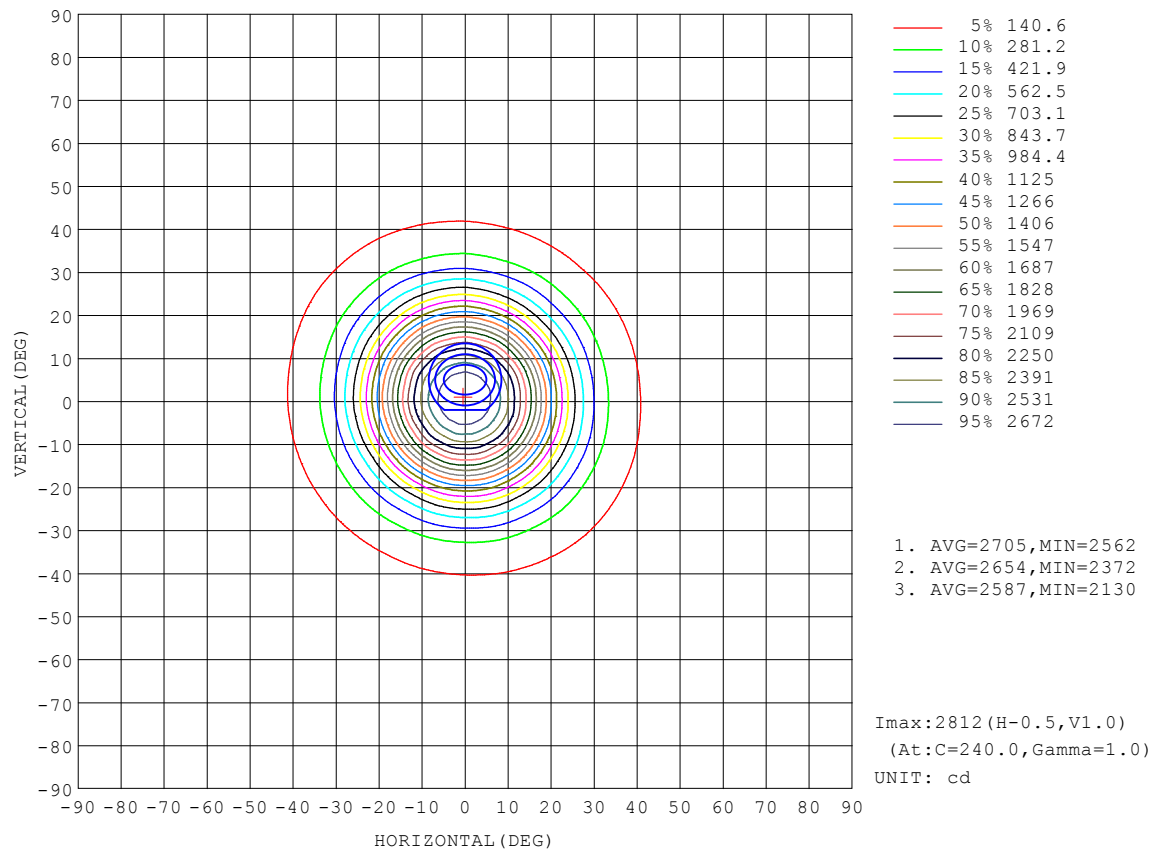
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

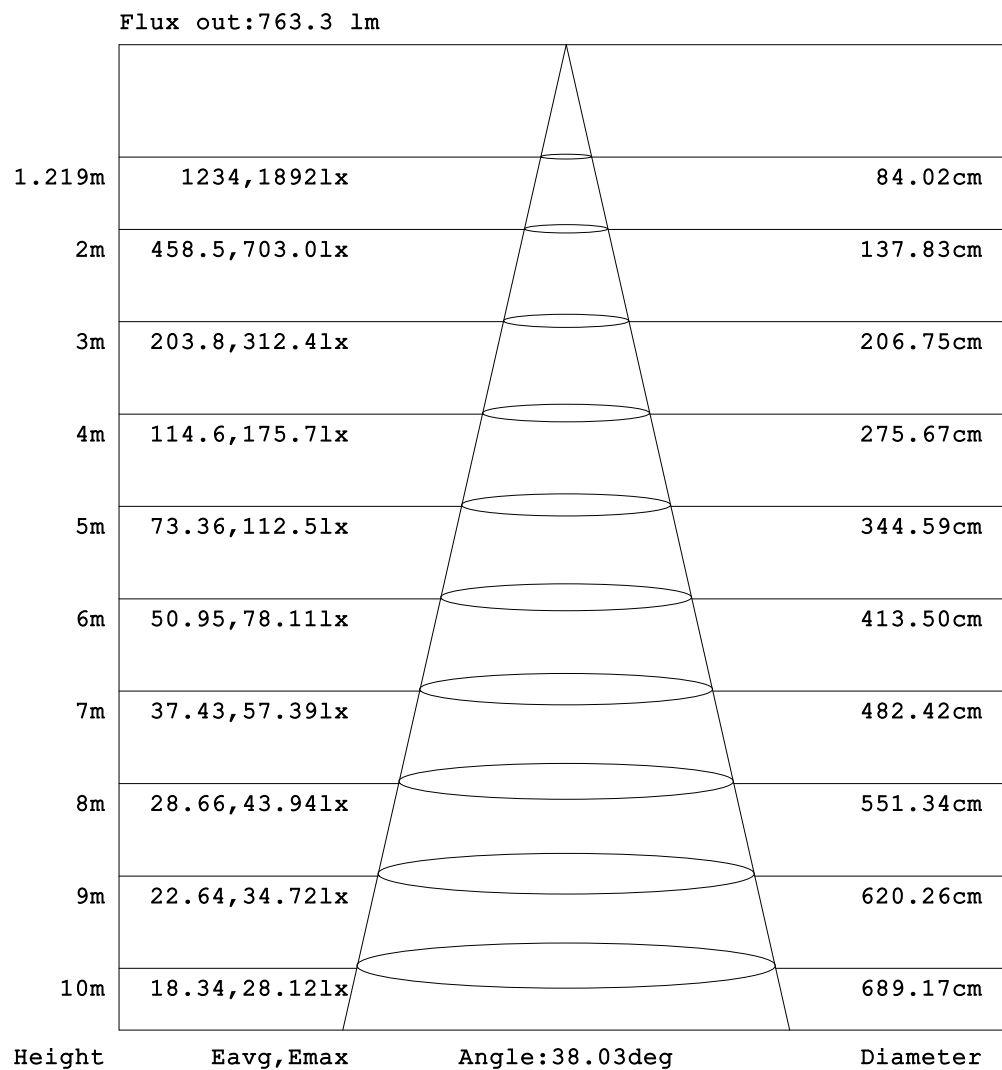


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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 5000K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



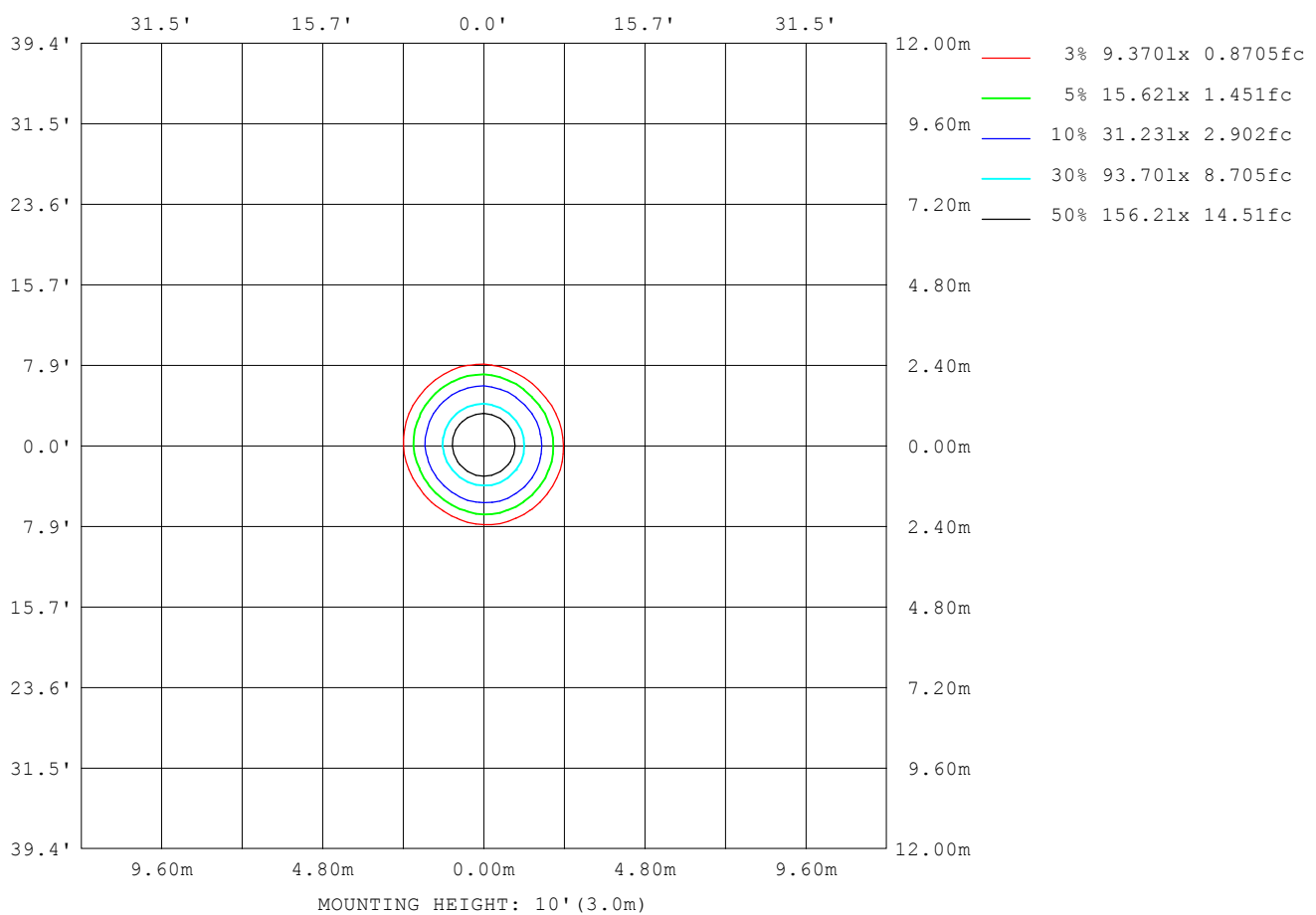
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 5000K	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 5000K	WEIGHT:
SPEC.:CYL-15-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

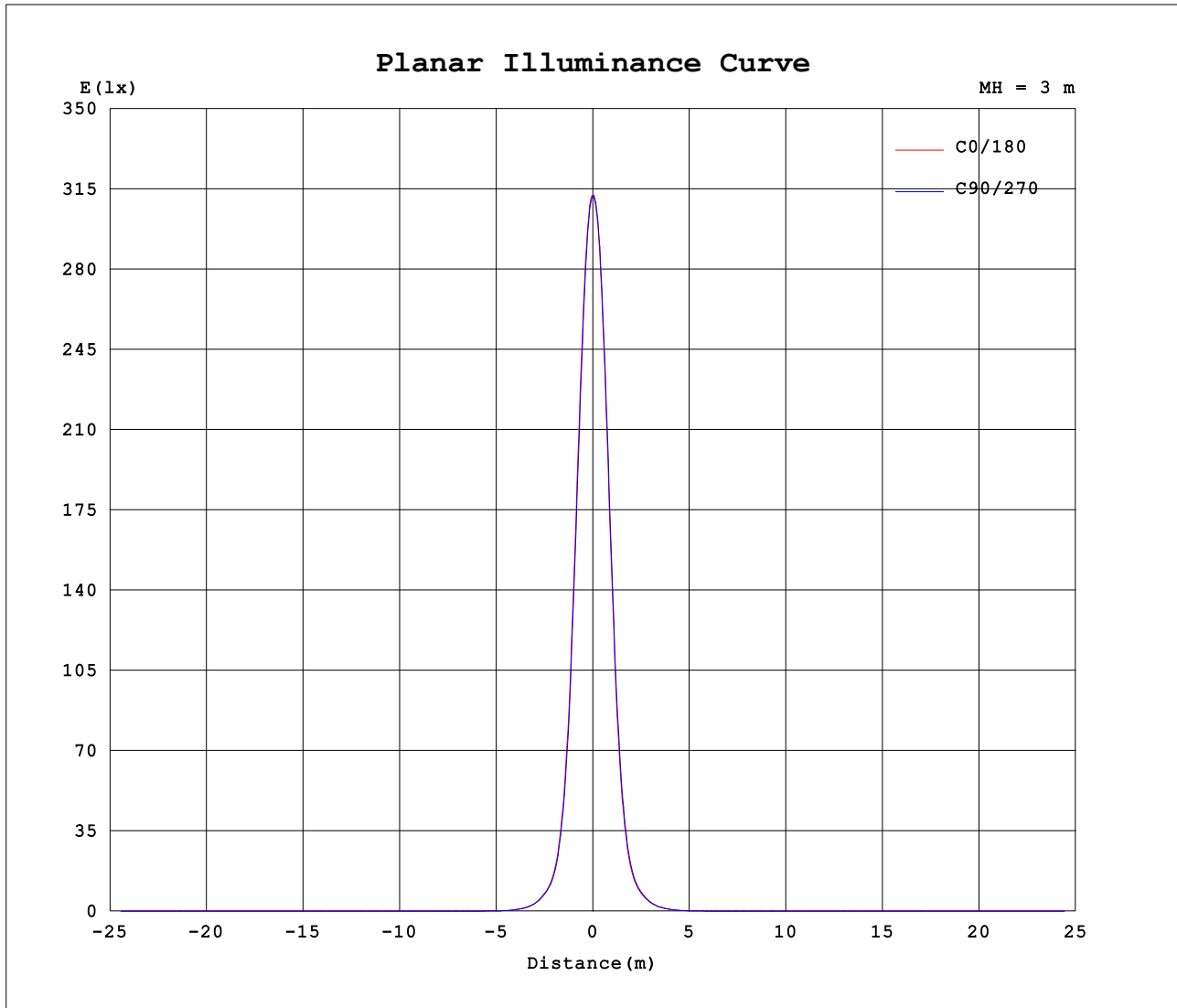
AvgL	cd/m2
L_0~180 (65) av	7284
L_0~180 (75) av	8623
L_0~180 (85) av	4251
L_90~270 (65) av	7181
L_90~270 (75) av	8497
L_90~270 (85) av	4504
L_45 (65) av	7249
L_45 (75) av	8608
L_45 (85) av	4324

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:

```

```

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:

```