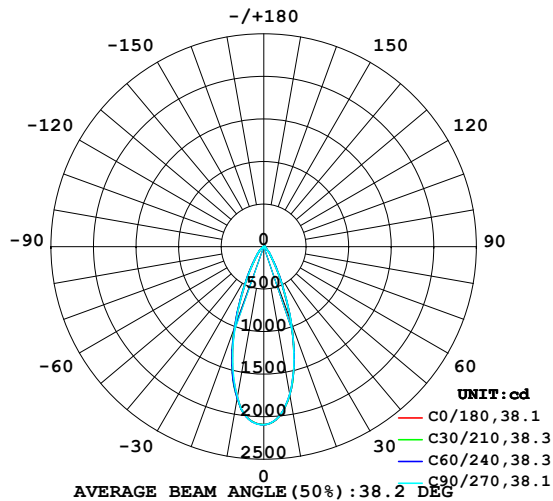


LUMINAIRE PHOTOMETRIC TEST REPORT

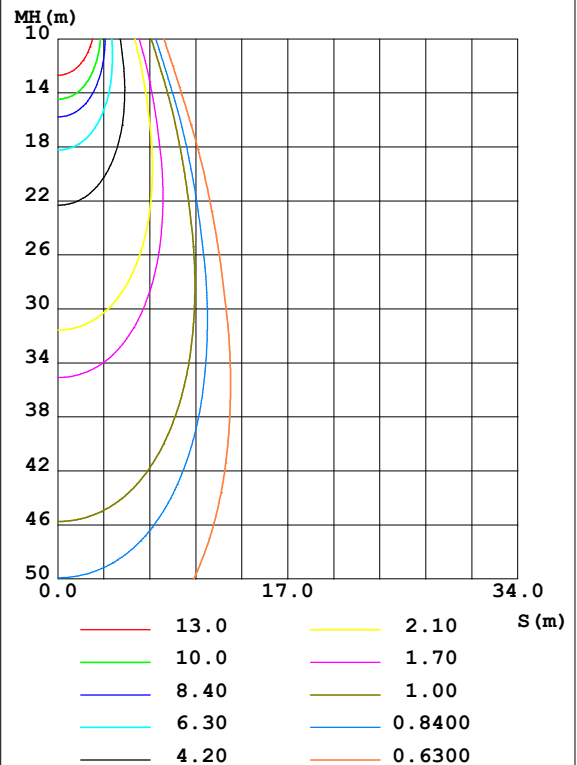
NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.69 lm/W			
MODEL		I _{max} (cd)	2091	S/MH (C0/180)	0.62
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH (C90/270)	0.62
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1034.3	η UP,DN (C0-180)	0.0,49.1
NOMINAL FLUX(lm)	1034.35	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.9
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	1765	1759	1762	1767	1797	1814	1795	1782	0- 10	185.4	185.4	17.9,17.9
20	933.9	942.6	937.7	936.2	991.3	1006	984.2	932.1	10- 20	381.6	567.1	54.8,54.8
30	305.8	319.4	306.1	299.6	334.2	348.2	334.7	300.0	20- 30	264.0	831.1	80.4,80.4
40	110.8	114.1	111.3	101.9	117.4	121.6	119.1	102.9	30- 40	116.5	947.6	91.6,91.6
50	35.74	36.44	36.36	34.74	40.33	40.96	40.22	34.16	40- 50	54.04	1002	96.8,96.8
60	9.510	9.555	9.362	9.563	10.05	10.08	9.817	9.451	50- 60	17.65	1019	98.5,98.5
70	6.337	6.554	6.272	6.283	6.500	6.600	6.421	6.255	60- 70	7.649	1027	99.3,99.3
80	3.962	4.109	3.995	4.086	4.367	4.390	4.225	4.001	70- 80	5.729	1033	99.8,99.8
90	0.0922	0.0922	0.0923	0.0894	0.1787	0.1730	0.1701	0.1615	80- 90	1.661	1034	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): 980.83 lm

%lum = 94.8%

%lamp = 94.8%

Conical surface Flux(120deg): 1019.3 lm

%lum = 98.5%

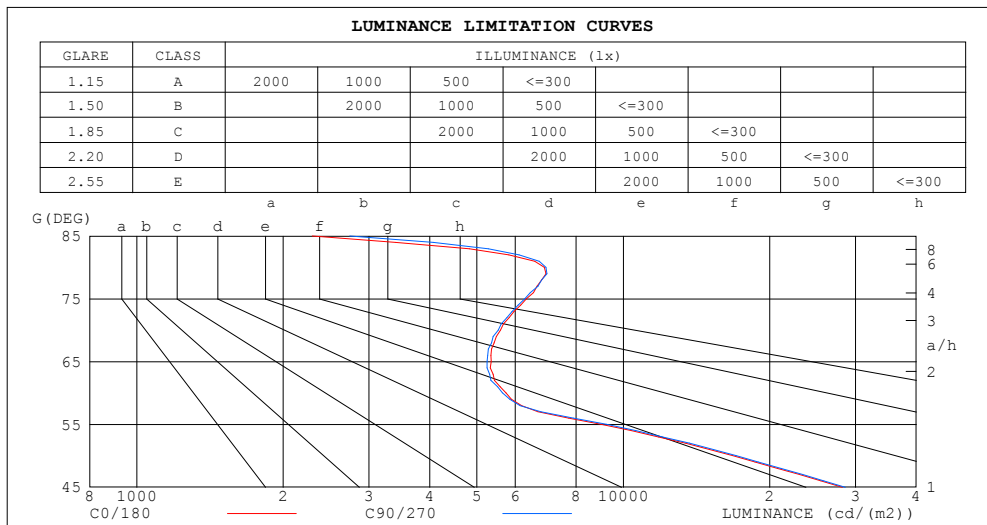
%lamp = 98.5%

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 5000K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2296	2740
80	6883	6938
75	6319	6275
70	5589	5531
65	5349	5247
60	5739	5647
55	8993	9226
50	16775	17060
45	28230	28576

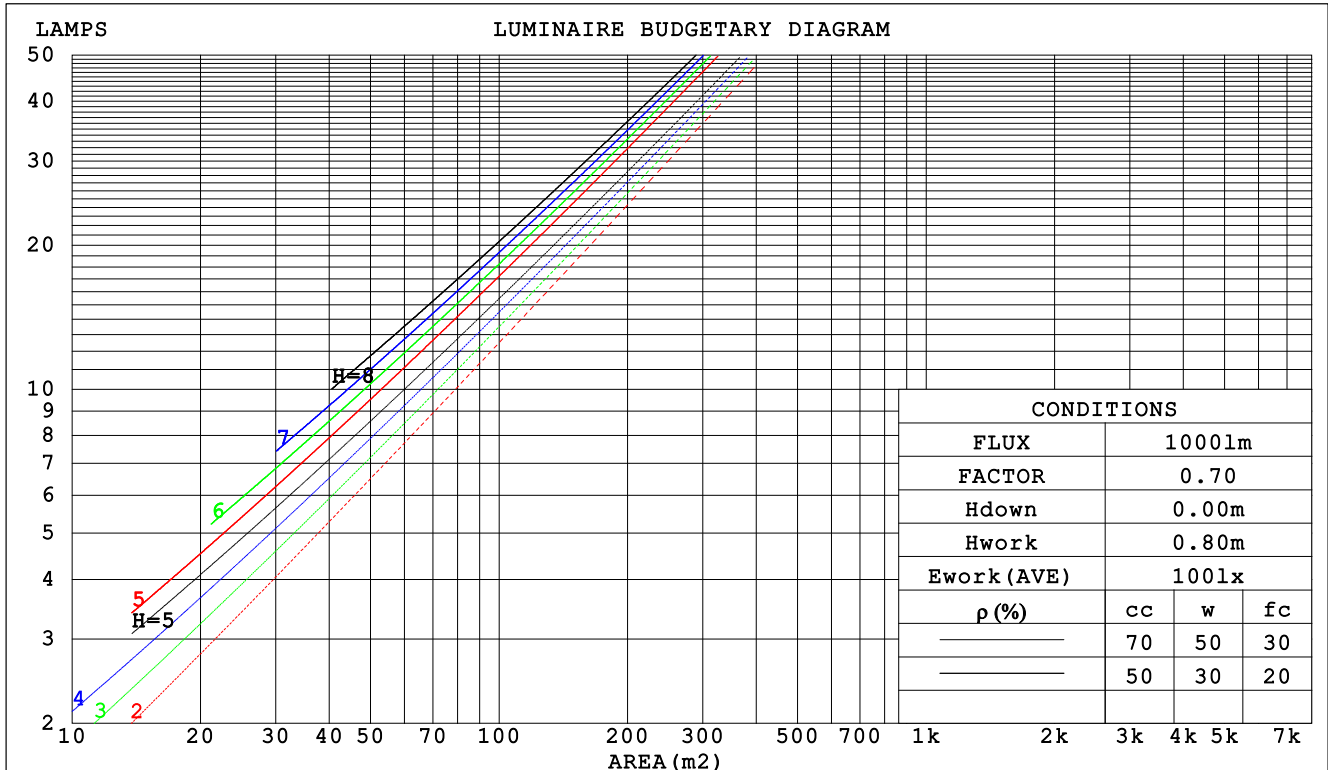
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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-10-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-10-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	.155 .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	.122 .067 .021	
4.0	.143 .074 .022	.139 .073 .021	.131 .070 .021	.124 .067 .020	.117 .064 .019	
5.0	.135 .069 .020	.132 .068 .020	.125 .065 .019	.119 .063 .019	.113 .061 .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 .098	.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-10-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	17.5	18.4	17.7	18.5	18.7	17.5	18.3	17.7	18.5	18.7
	3H	17.5	18.3	17.8	18.5	18.7	17.5	18.3	17.8	18.5	18.7
	4H	17.6	18.4	17.9	18.6	18.8	17.6	18.4	17.9	18.6	18.8
	6H	17.8	18.5	18.1	18.7	19.0	17.8	18.5	18.1	18.7	19.0
	8H	17.8	18.5	18.1	18.7	19.0	17.8	18.5	18.1	18.7	19.0
	12H	17.8	18.4	18.1	18.7	19.0	17.8	18.4	18.1	18.7	19.0
4H	2H	17.4	18.1	17.6	18.3	18.5	17.3	18.1	17.6	18.3	18.5
	3H	17.5	18.2	17.8	18.4	18.7	17.5	18.1	17.8	18.4	18.7
	4H	17.7	18.3	18.0	18.6	18.9	17.7	18.3	18.0	18.6	18.9
	6H	18.0	18.5	18.3	18.8	19.2	17.9	18.5	18.3	18.8	19.1
	8H	18.0	18.5	18.4	18.9	19.2	18.0	18.5	18.4	18.9	19.2
	12H	18.0	18.5	18.4	18.8	19.2	18.0	18.5	18.4	18.8	19.2
8H	4H	17.7	18.2	18.1	18.6	18.9	17.7	18.2	18.1	18.5	18.9
	6H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
	8H	18.2	18.6	18.6	19.0	19.4	18.2	18.6	18.7	19.0	19.4
	12H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	19.0	19.4
12H	4H	17.7	18.1	18.1	18.5	18.9	17.7	18.1	18.1	18.5	18.9
	6H	18.1	18.5	18.5	18.9	19.3	18.1	18.4	18.5	18.9	19.3
	8H	18.2	18.5	18.7	19.0	19.4	18.2	18.5	18.7	19.0	19.4
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.7					+ 1.6 / - 2.6				
1.5H		+ 2.5 / - 2.8					+ 2.5 / - 2.8				
2.0H		+ 3.4 / - 1.9					+ 3.5 / - 1.9				

CIE Pub.117, 1034 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.1$)

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:

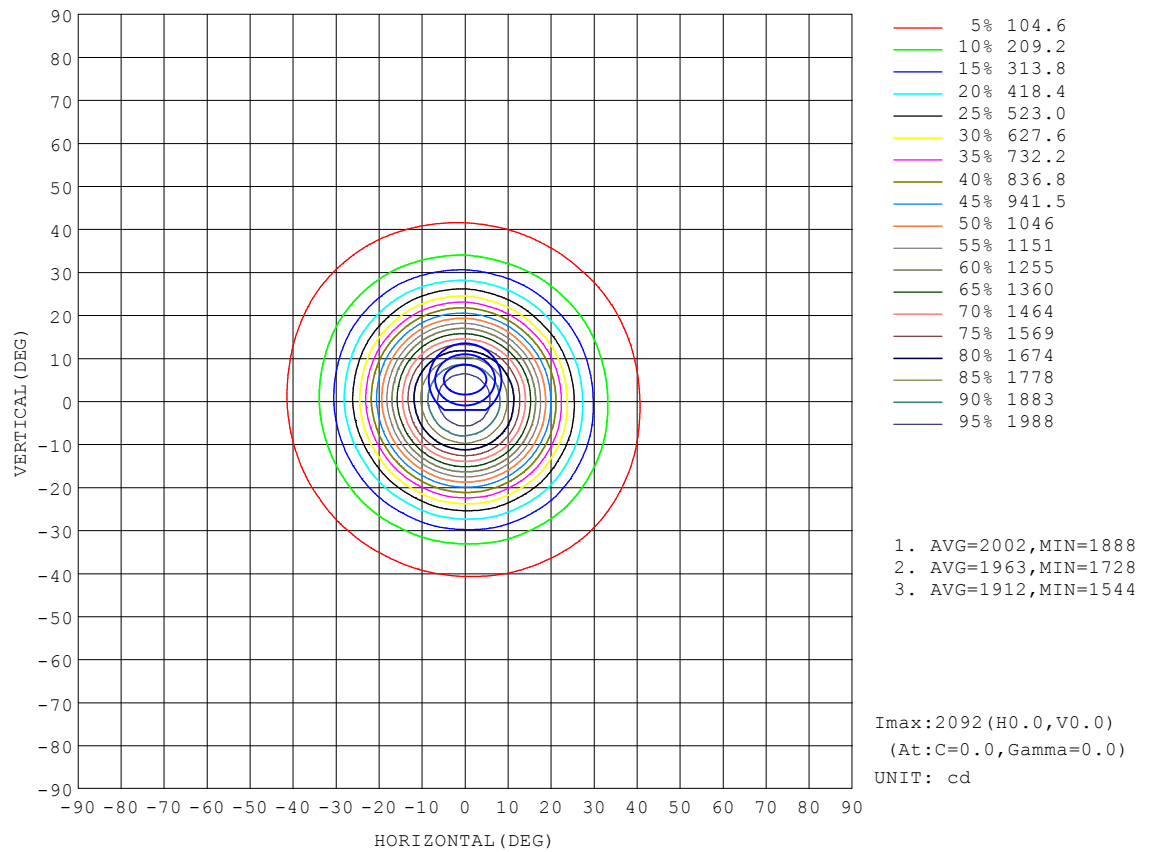
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

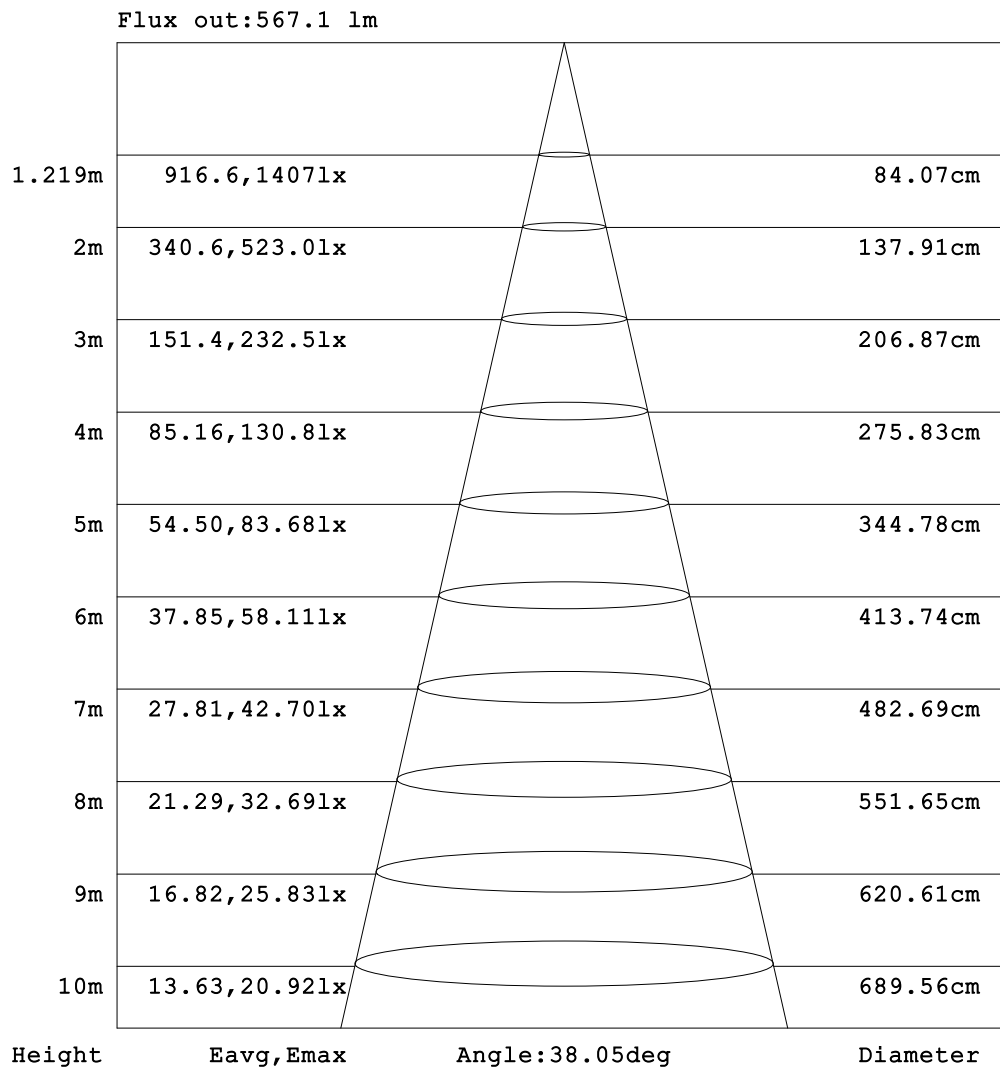


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



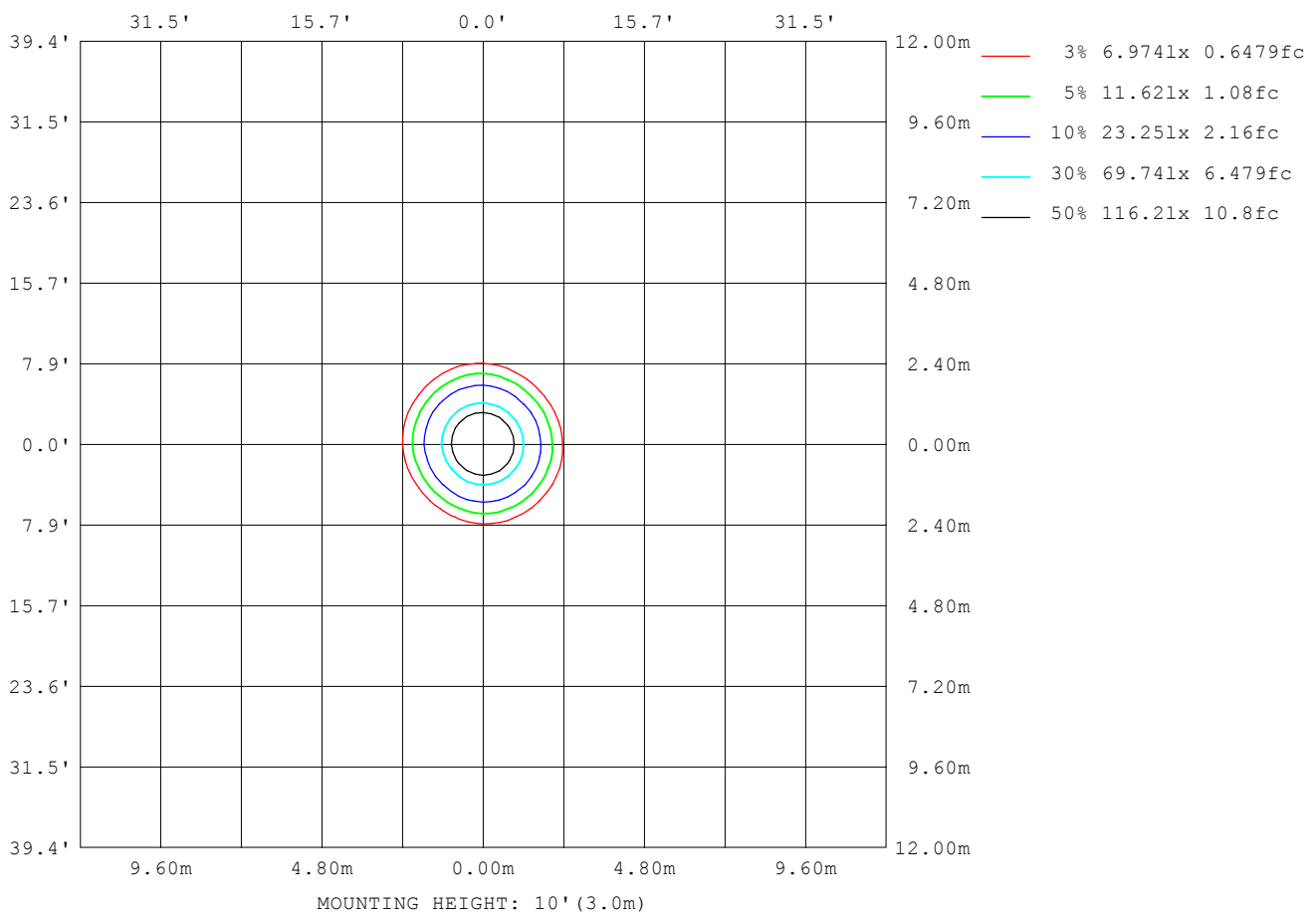
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-10-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-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

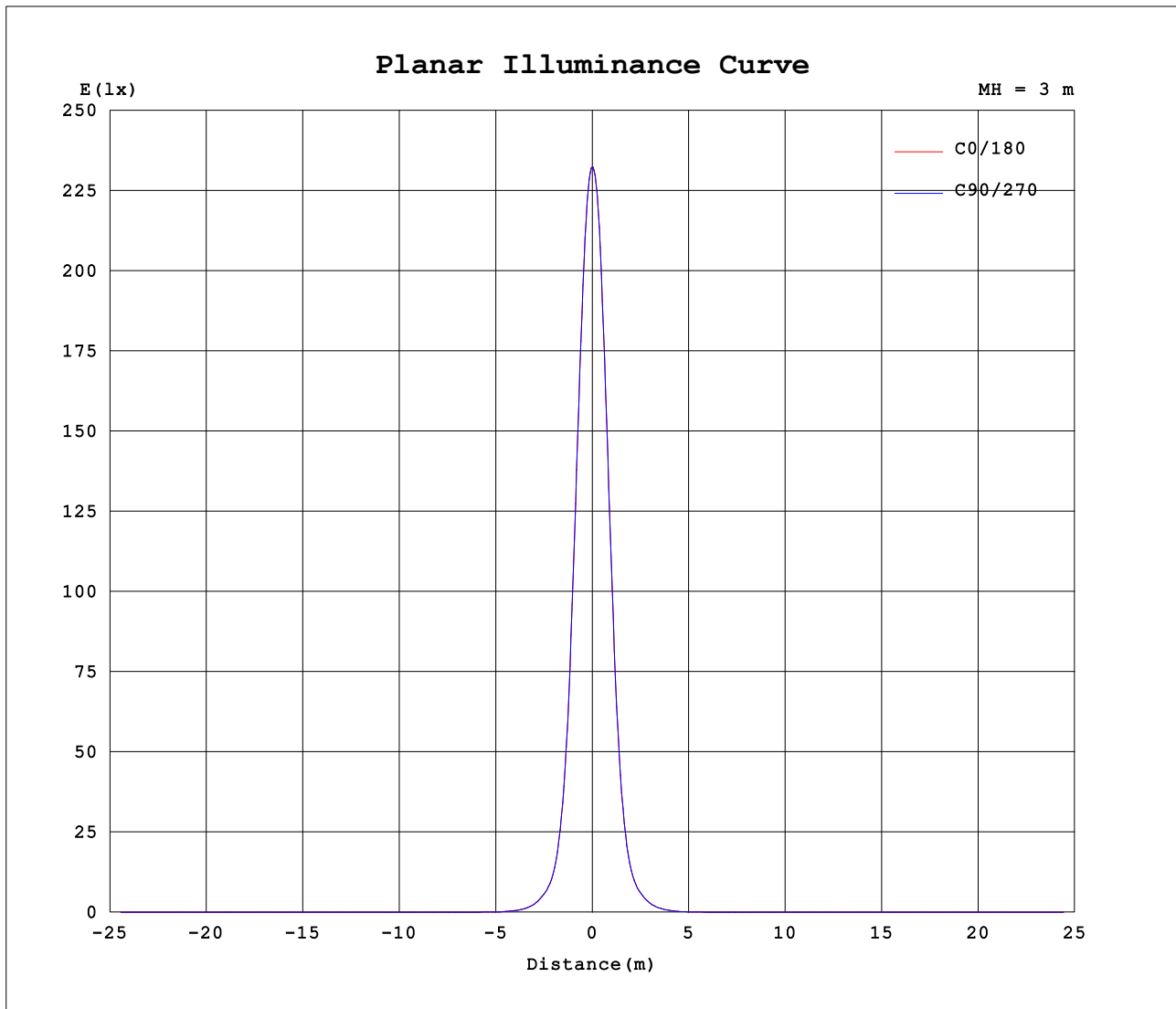
AvgL	cd/m2
L_0~180 (65) av	5433
L_0~180 (75) av	6428
L_0~180 (85) av	3335
L_90~270 (65) av	5354
L_90~270 (75) av	6356
L_90~270 (85) av	3241
L_45 (65) av	5406
L_45 (75) av	6431
L_45 (85) av	3239

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:

```

NAME :	TYPE:CRI90 5000K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

UNIT: cd

[illegible]

```

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:

```