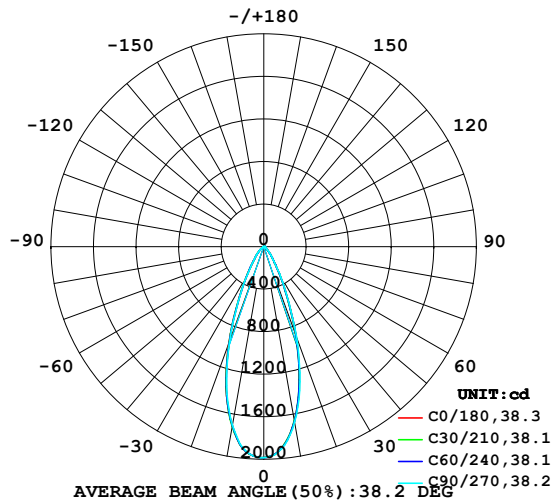


LUMINAIRE PHOTOMETRIC TEST REPORT

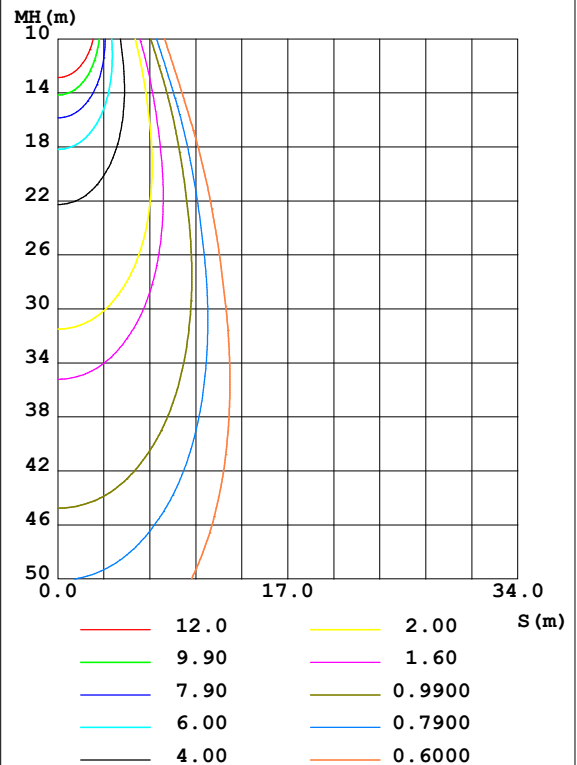
NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.47 lm/W			
MODEL		Imax(cd)	1983	S/MH(C0/180)	0.63
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1000.2	η UP,DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	1000.19	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	0.65

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	1664	1655	1676	1690	1713	1719	1704	1690	0- 10	175.7	175.7	17.6,17.6
20	883.9	876.5	897.1	938.6	961.0	948.5	937.8	921.7	10- 20	363.7	539.4	53.9,53.9
30	296.2	299.1	300.9	322.7	333.0	331.0	328.1	320.1	20- 30	257.7	797.1	79.7,79.7
40	107.6	105.2	109.4	112.7	117.2	113.9	116.8	113.1	30- 40	116.4	913.6	91.3,91.3
50	34.71	34.15	35.79	37.88	40.39	38.98	39.58	36.87	40- 50	53.94	967.5	96.7,96.7
60	9.421	9.347	9.316	9.687	10.06	9.937	9.768	9.572	50- 60	17.62	985.1	98.5,98.5
70	6.322	6.374	6.274	6.496	6.523	6.444	6.432	6.461	60- 70	7.643	992.8	99.3,99.3
80	3.931	3.963	4.010	4.289	4.421	4.292	4.237	4.146	70- 80	5.744	998.5	99.8,99.8
90	0.0951	0.0951	0.0952	0.0952	0.1816	0.1729	0.1759	0.1702	80- 90	1.670	1000	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): 946.69 lm

%lum = 94.7%

%lamp = 94.7%

Conical surface Flux(120deg): 985.13 lm

%lum = 98.5%

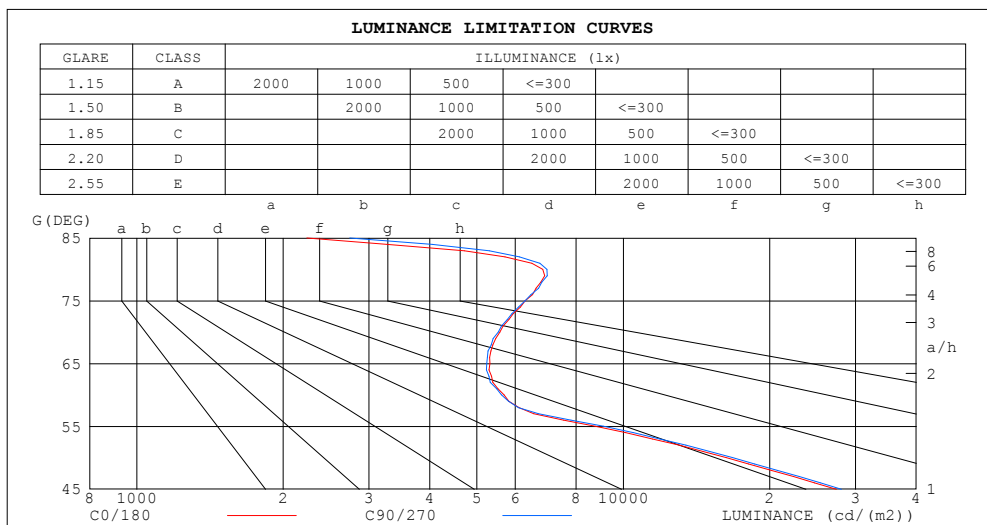
%lamp = 98.5%

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



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2235	2739
80	6828	6963
75	6285	6288
70	5574	5531
65	5322	5238
60	5683	5617
55	8752	9115
50	16286	16788
45	27388	28101

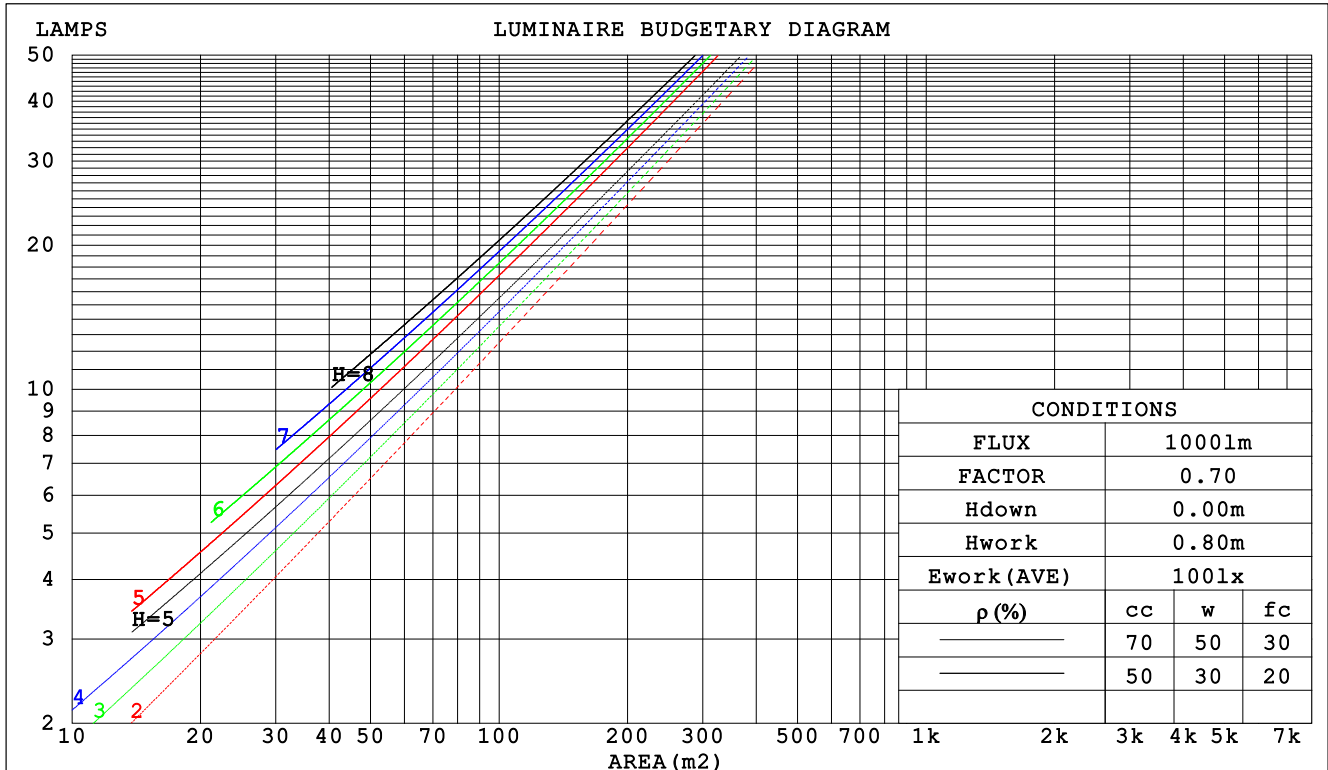
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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-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	.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	.72	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.75	.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	.62	.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-10-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	.171 .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 .072 .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	.113 .054 .015	.110 .054 .015	.106 .053 .015	.103 .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-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	17.3	18.2	17.6	18.4	18.5	17.4	18.3	17.6	18.4	18.6
	3H	17.4	18.2	17.7	18.4	18.6	17.5	18.3	17.7	18.5	18.7
	4H	17.5	18.3	17.8	18.5	18.7	17.6	18.3	17.8	18.5	18.8
	6H	17.7	18.4	18.0	18.6	18.9	17.7	18.4	18.0	18.7	18.9
	8H	17.7	18.4	18.0	18.6	18.9	17.8	18.4	18.1	18.7	19.0
	12H	17.7	18.3	18.0	18.6	18.9	17.7	18.4	18.1	18.7	18.9
4H	2H	17.2	18.0	17.5	18.2	18.4	17.3	18.0	17.5	18.2	18.5
	3H	17.4	18.0	17.7	18.3	18.6	17.4	18.1	17.7	18.4	18.6
	4H	17.6	18.2	17.9	18.5	18.8	17.6	18.2	18.0	18.5	18.8
	6H	17.9	18.4	18.2	18.7	19.1	17.9	18.4	18.3	18.8	19.1
	8H	17.9	18.4	18.3	18.8	19.2	18.0	18.5	18.4	18.8	19.2
	12H	17.9	18.4	18.3	18.7	19.1	18.0	18.4	18.4	18.8	19.2
8H	4H	17.6	18.1	18.0	18.5	18.8	17.7	18.2	18.0	18.5	18.9
	6H	18.0	18.4	18.4	18.8	19.2	18.1	18.5	18.5	18.9	19.3
	8H	18.1	18.5	18.6	18.9	19.3	18.2	18.6	18.6	19.0	19.4
	12H	18.1	18.4	18.6	18.9	19.3	18.2	18.5	18.7	18.9	19.4
12H	4H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.5	18.9
	6H	18.0	18.4	18.5	18.8	19.2	18.1	18.4	18.5	18.8	19.3
	8H	18.1	18.5	18.6	18.9	19.4	18.2	18.5	18.7	19.0	19.4
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.5					+ 1.6 / - 2.5				
1.5H		+ 2.6 / - 2.7					+ 2.6 / - 2.7				
2.0H		+ 3.5 / - 1.8					+ 3.5 / - 1.8				

CIE Pub.117, 1000 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.0$)

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:

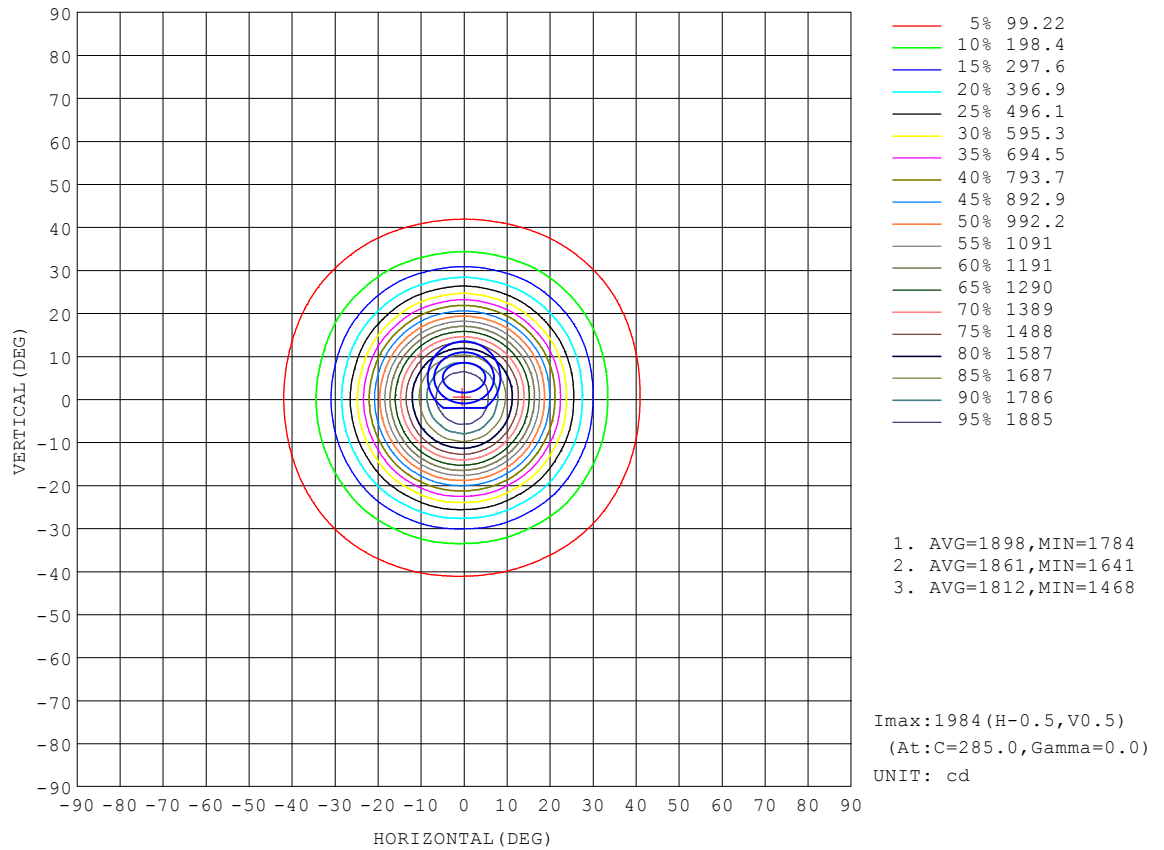
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

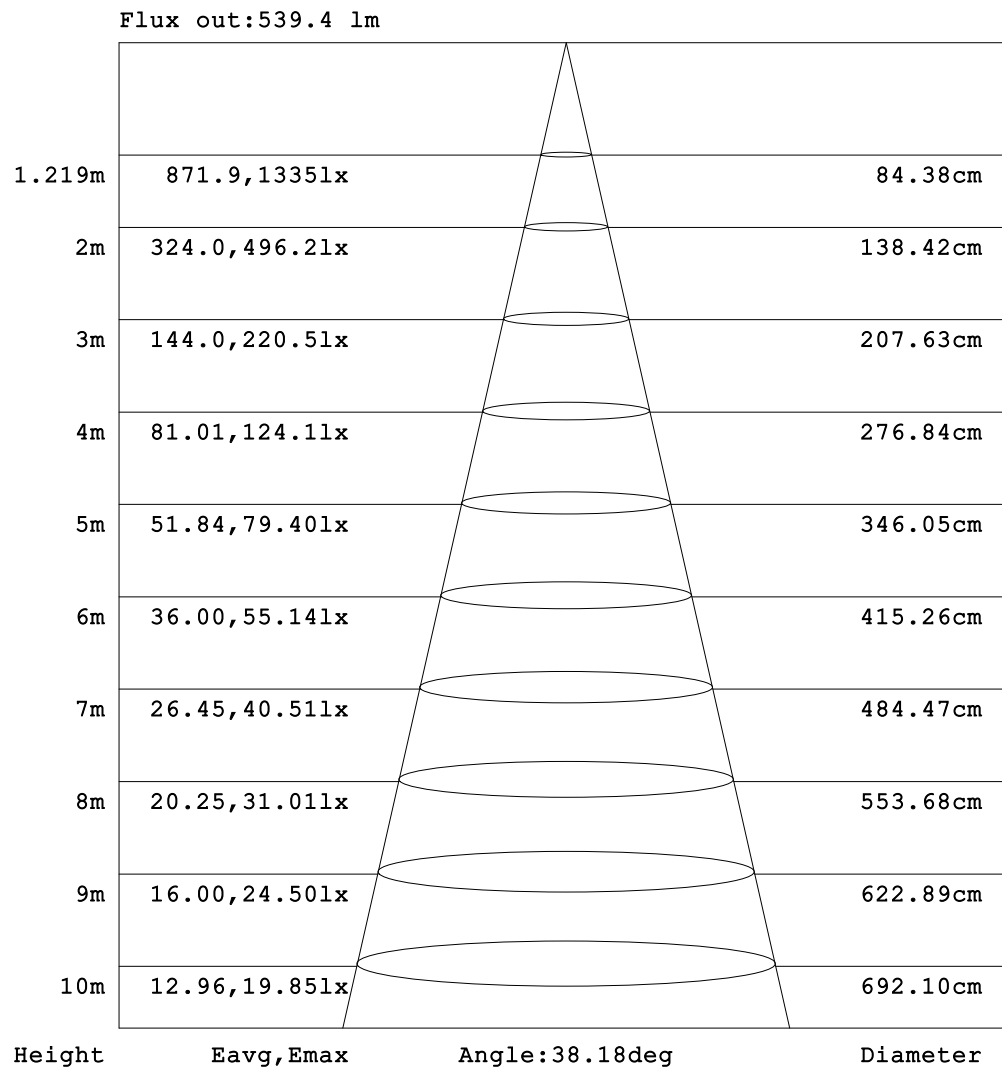


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

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 3500K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



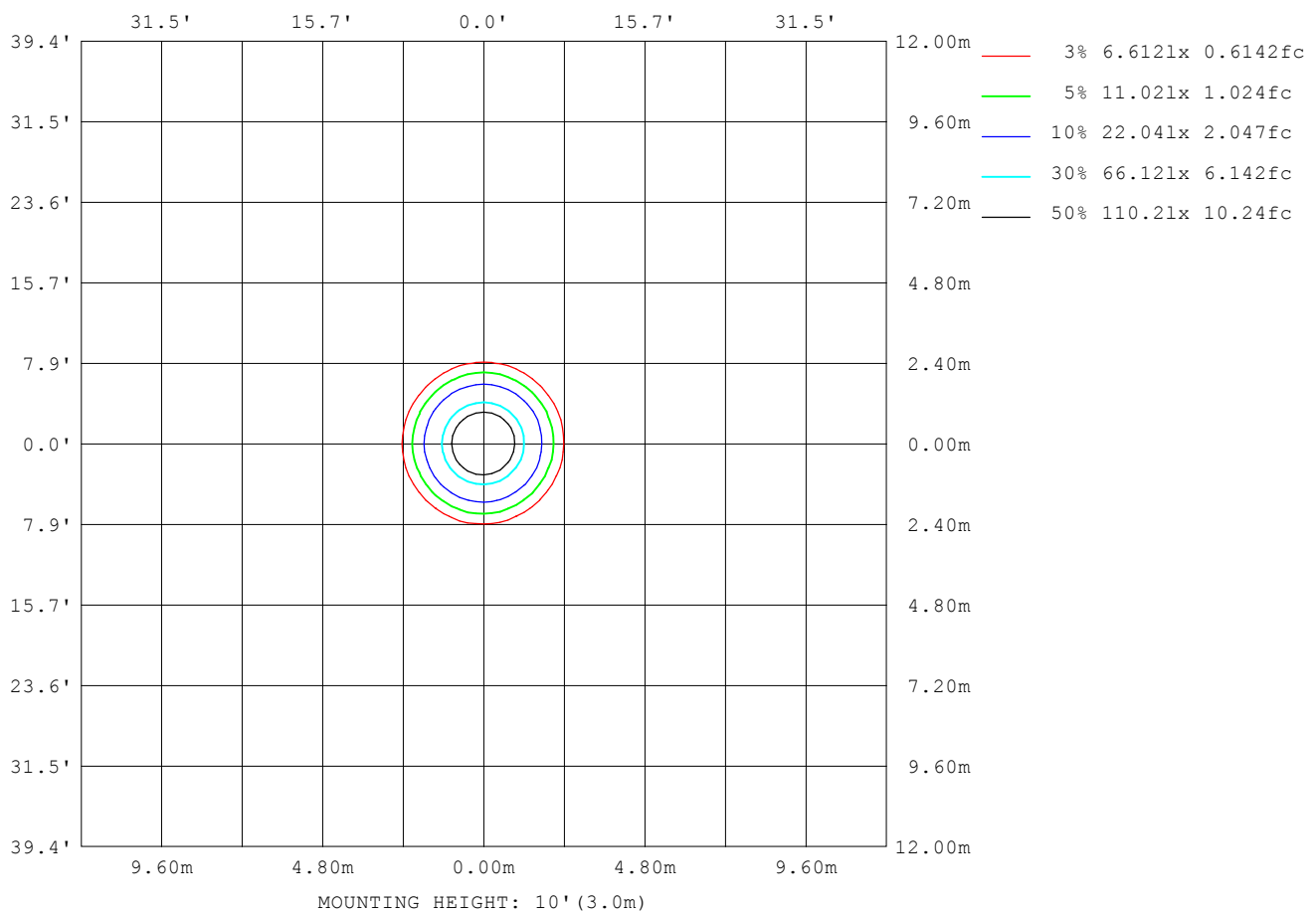
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 3500K	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 3500K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

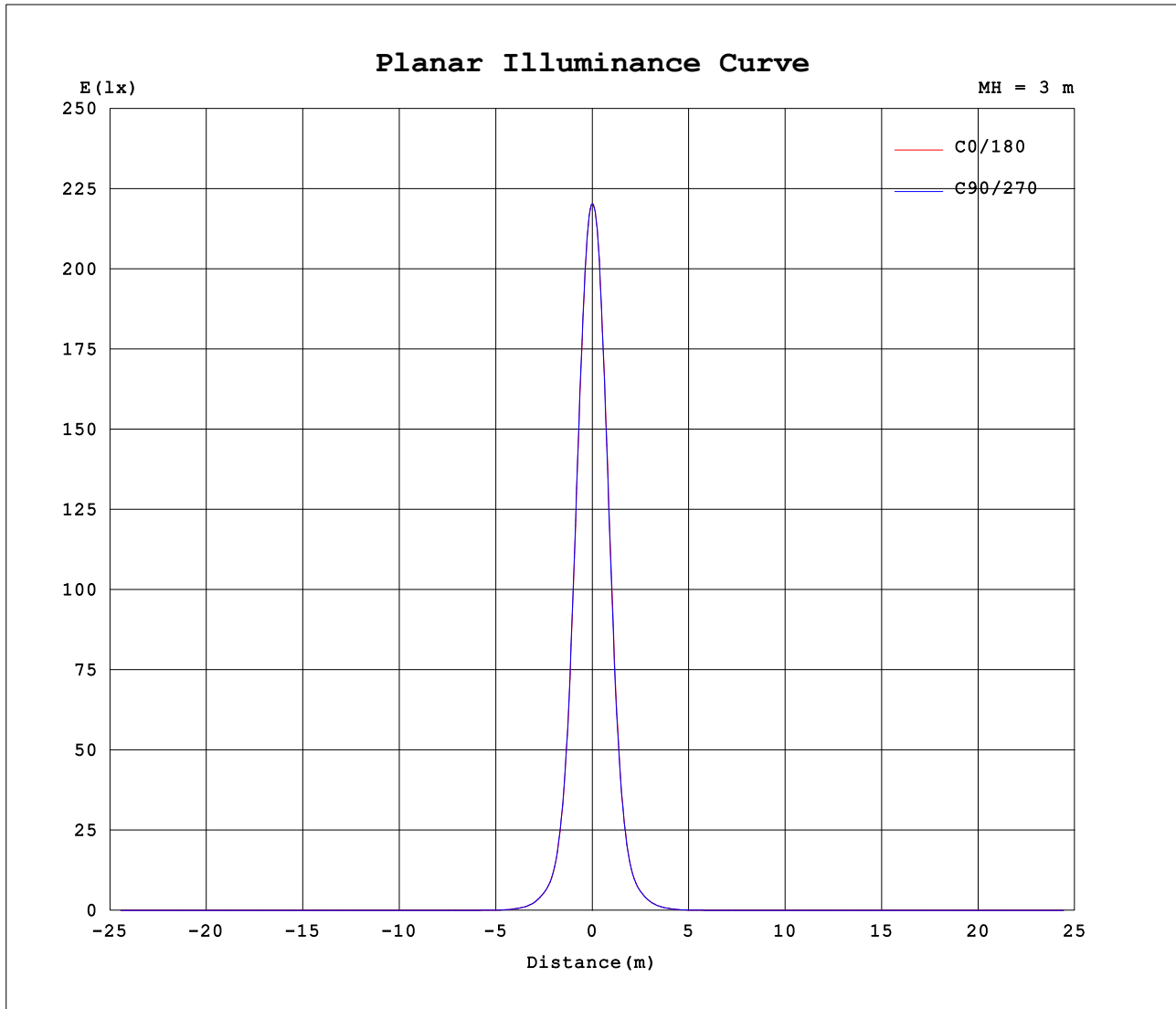
AvgL	cd/m2
L_0~180 (65) av	5428
L_0~180 (75) av	6429
L_0~180 (85) av	3400
L_90~270 (65) av	5348
L_90~270 (75) av	6364
L_90~270 (85) av	3242
L_45 (65) av	5410
L_45 (75) av	6450
L_45 (85) av	3278

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:

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