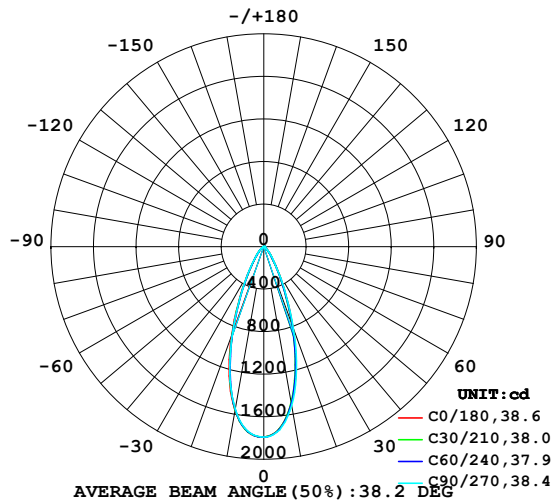


## LUMINAIRE PHOTOMETRIC TEST REPORT

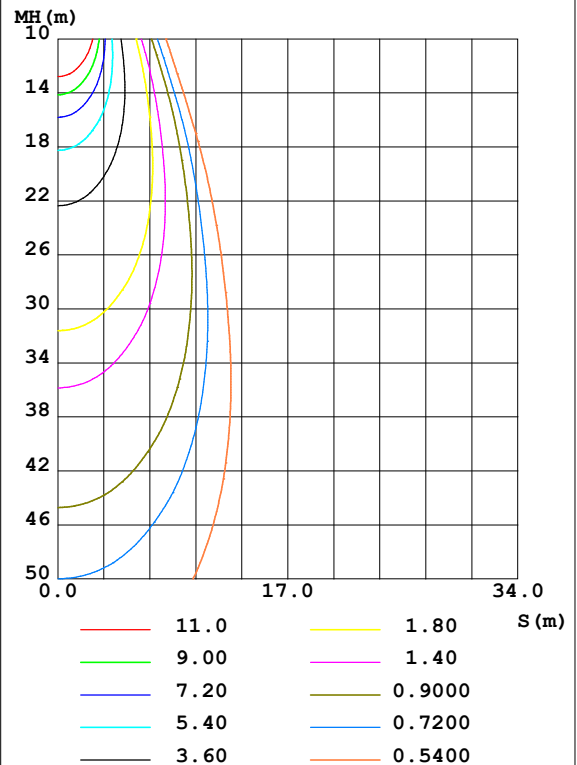
NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 91.28 lm/W
MODEL		Imax(cd)	1791	S/MH(C0/180)	0.64	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.63	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	923.35	η UP,DN(C0-180)	0.0,49.1	
NOMINAL FLUX(lm)	923.351	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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1497	1499	1517	1545	1561	1553	1551	1529	0- 10	159.0	159.0	17.2,17.2
20	800.6	787.9	814.1	890.2	887.0	849.9	857.8	866.4	10- 20	331.0	490.0	53.1,53.1
30	276.2	270.2	281.5	323.1	314.2	300.8	308.4	321.0	20- 30	240.2	730.2	79.1,79.1
40	100.6	93.83	102.4	115.1	111.1	102.4	109.8	115.6	30- 40	110.8	840.9	91.1,91.1
50	32.57	30.93	33.61	38.36	38.40	35.54	37.34	37.35	40- 50	51.33	892.2	96.6,96.6
60	8.914	8.769	8.822	9.288	9.540	9.343	9.269	9.198	50- 60	16.77	909.0	98.4,98.4
70	6.000	5.942	5.967	6.336	6.220	6.017	6.122	6.301	60- 70	7.268	916.3	99.2,99.2
80	3.728	3.668	3.815	4.203	4.235	3.989	4.040	4.059	70- 80	5.477	921.8	99.8,99.8
90	0.0975	0.0921	0.0952	0.0925	0.1778	0.1698	0.1673	0.1706	80- 90	1.594	923.4	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): 872.41 lm

%lum = 94.5%

%lamp = 94.5%

Conical surface Flux(120deg): 909.01 lm

%lum = 98.4%

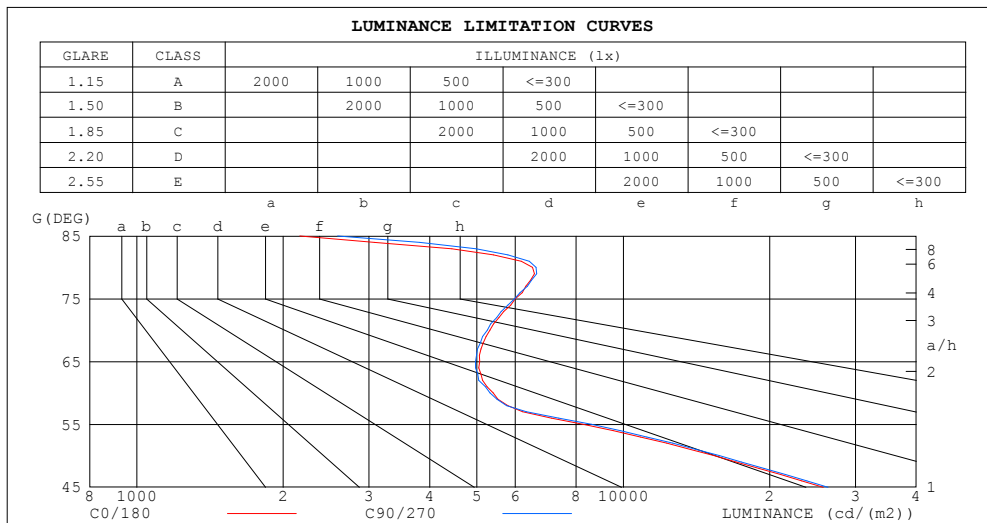
%lamp = 98.4%

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2163	2588
80	6507	6622
75	5996	5979
70	5317	5259
65	5067	4973
60	5404	5318
55	8259	8582
50	15361	15762
45	25763	26355

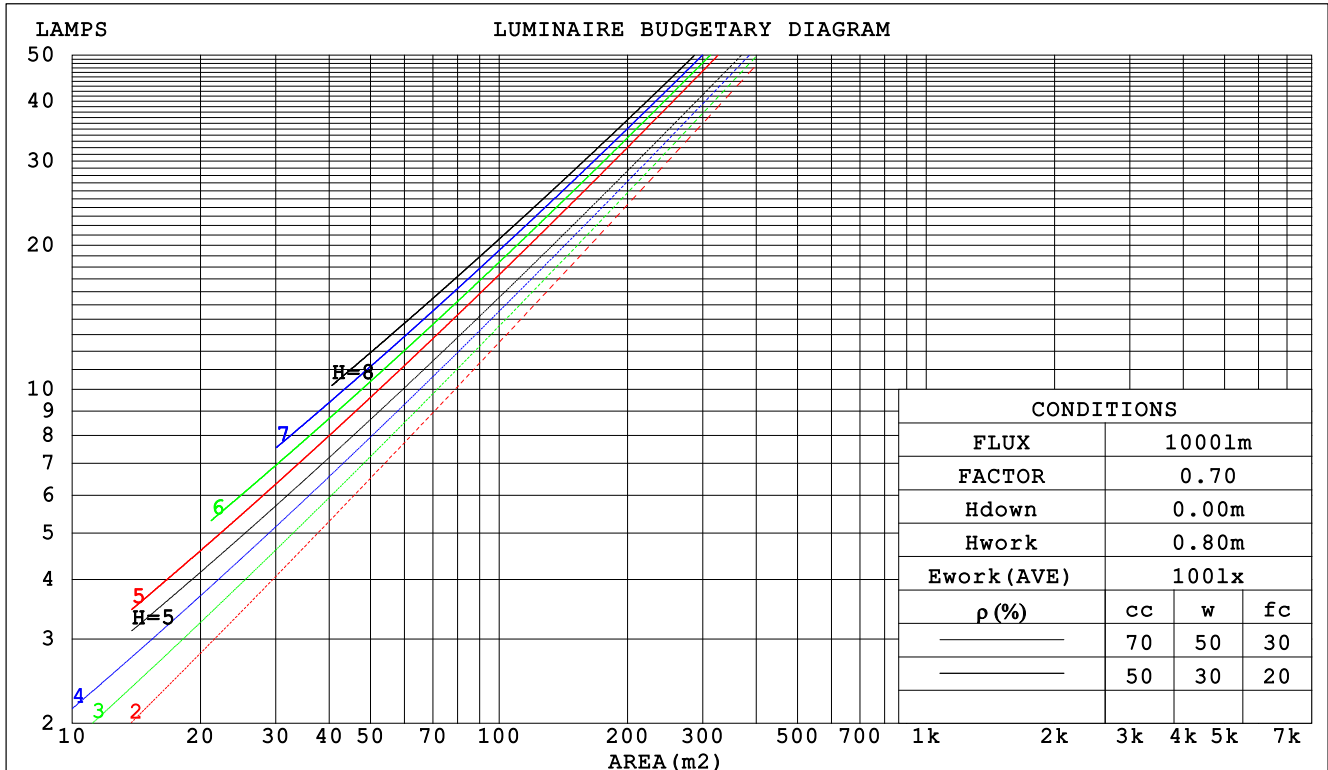
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-07-30

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-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:#65MM	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.80	.85	.82	.80	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.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	.61	.68	.64	.61	.60
10.0	.68	.63	.59	.67	.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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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-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	.172 .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 .077 .024	.128 .072 .023	
3.0	.153 .082 .024	.148 .080 .024	.140 .076 .023	.131 .072 .022	.124 .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 .062 .018	
6.0	.130 .065 .019	.127 .064 .019	.122 .062 .018	.116 .060 .018	.111 .058 .017	
7.0	.124 .061 .017	.122 .061 .017	.116 .059 .017	.112 .057 .017	.107 .056 .016	
8.0	.119 .058 .016	.116 .057 .016	.112 .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	.109 .052 .014	.107 .052 .014	.103 .050 .014	.100 .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	.113 .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 .031	.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 .032	.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 .054 .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-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	17.5	18.3	18.5	17.3	18.2	17.6	18.4	18.5
	3H	17.4	18.2	17.6	18.4	18.6	17.4	18.2	17.7	18.4	18.6
	4H	17.5	18.3	17.8	18.5	18.7	17.5	18.3	17.8	18.5	18.7
	6H	17.7	18.4	17.9	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	17.9	17.4	18.1	18.4	17.2	18.0	17.5	18.2	18.4
	3H	17.3	18.0	17.7	18.3	18.6	17.4	18.1	17.7	18.3	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	18.5	18.3	18.8	19.1
	8H	18.0	18.5	18.3	18.8	19.2	18.0	18.5	18.4	18.9	19.2
	12H	17.9	18.4	18.3	18.8	19.2	18.0	18.5	18.4	18.8	19.2
8H	4H	17.6	18.1	18.0	18.5	18.8	17.6	18.1	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	19.4	18.2	18.6	18.7	19.0	19.4
	12H	18.1	18.4	18.6	18.9	19.4	18.2	18.5	18.7	19.0	19.4
12H	4H	17.6	18.0	18.0	18.4	18.8	17.6	18.1	18.0	18.5	18.8
	6H	18.0	18.4	18.5	18.8	19.2	18.1	18.4	18.5	18.9	19.3
	8H	18.2	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	+ 1.7 / - 2.4					+ 1.7 / - 2.4					
1.5H	+ 2.7 / - 2.6					+ 2.7 / - 2.6					
2.0H	+ 3.5 / - 1.7					+ 3.6 / - 1.8					

CIE Pub.117, 923.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)

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:

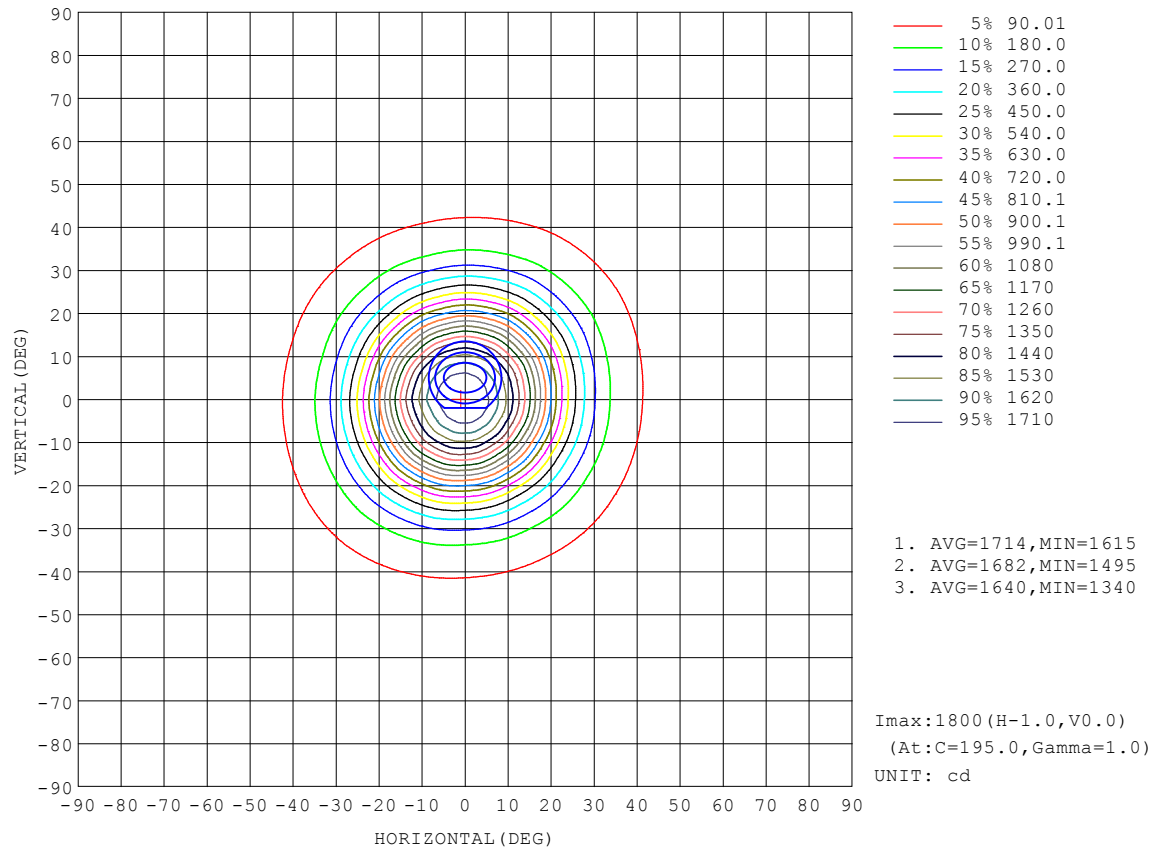
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

## ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 2700K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

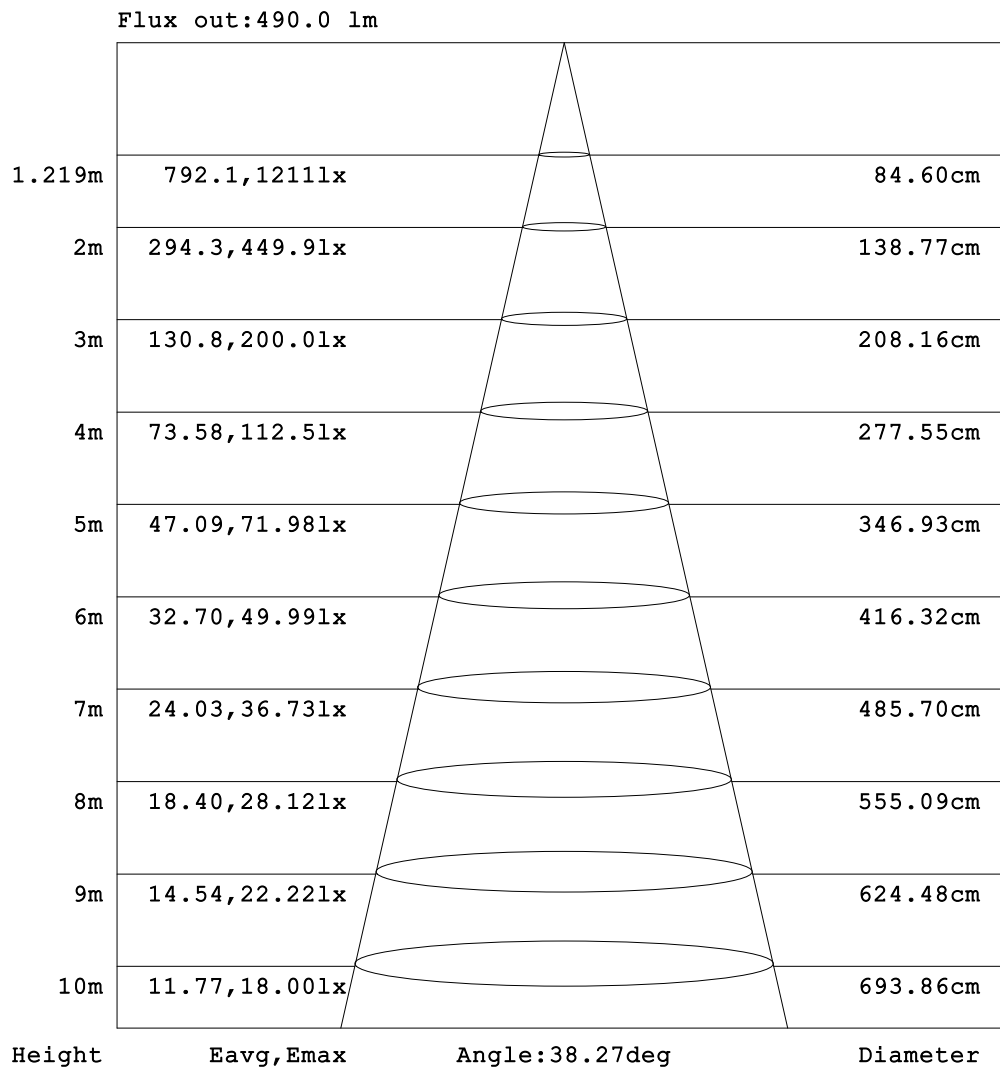


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-07-30

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 2700K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:



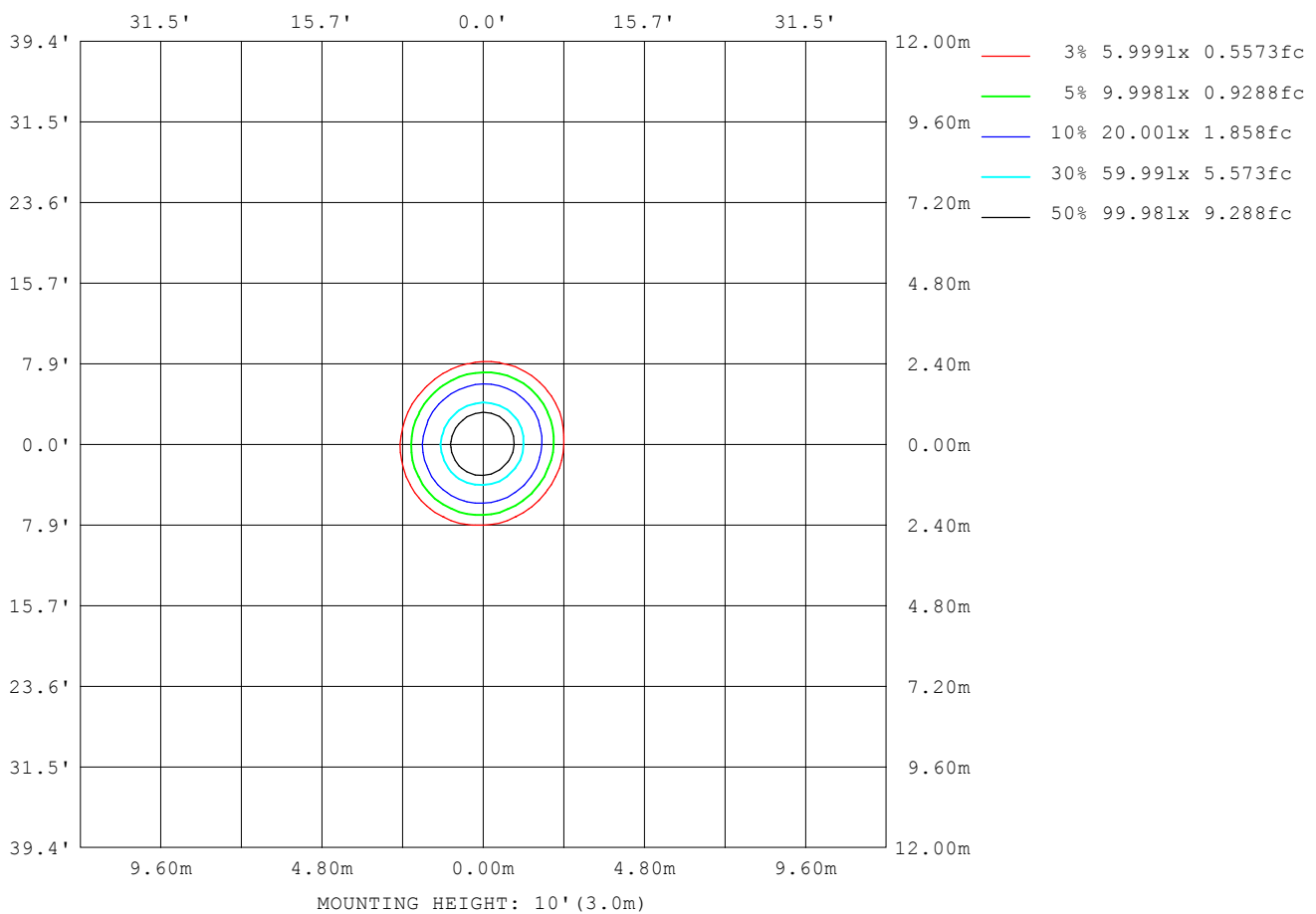
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 2700K	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 2700K	WEIGHT:
SPEC.:CYL-10-CCT-WT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ65MM	Shielding Angle:

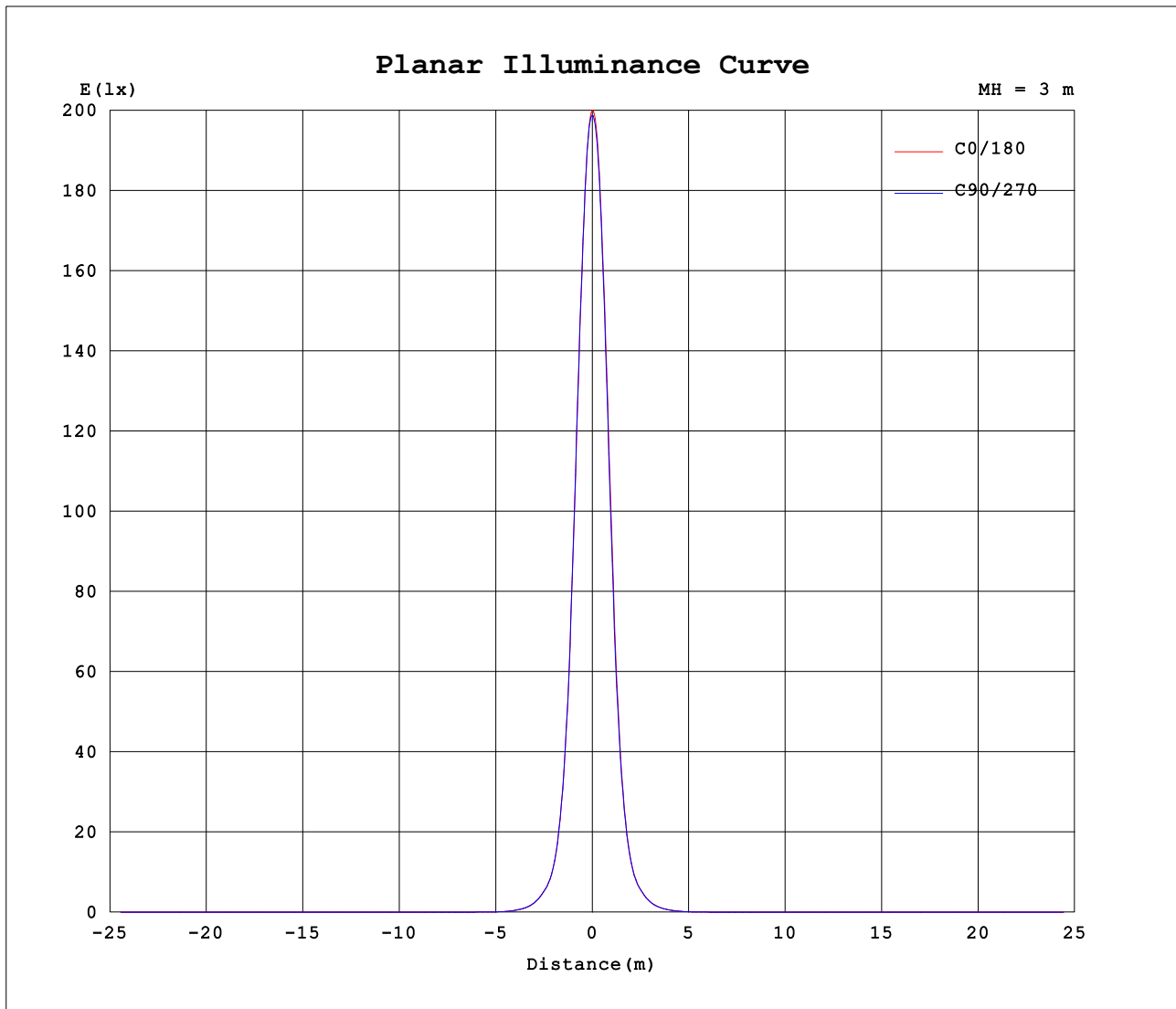
AvgL	cd/m2
L_0~180 (65) av	5149
L_0~180 (75) av	6122
L_0~180 (85) av	3263
L_90~270 (65) av	5076
L_90~270 (75) av	6064
L_90~270 (85) av	3088
L_45 (65) av	5151
L_45 (75) av	6156
L_45 (85) av	3120

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

```

```

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:

```