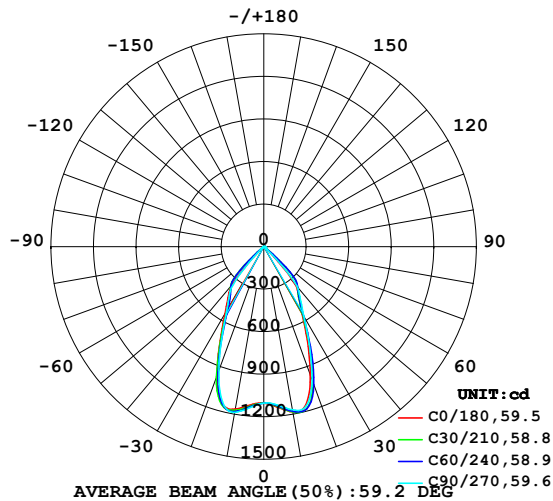


LUMINAIRE PHOTOMETRIC TEST REPORT

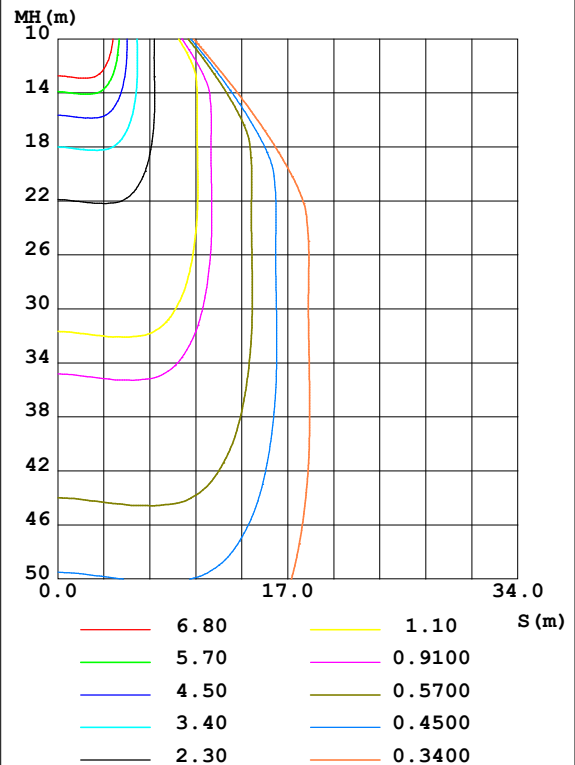
NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.09 lm/W
MODEL		Imax(cd)	1209	S/MH(C0/180)	0.93	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.90	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1220.4	η UP,DN(C0-180)	0.0,51.2	
NOMINAL FLUX(lm)	1220.43	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.80	

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:陈荷莲
Test Date:2024-06-29

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	1183	1183	1167	1166	1163	1178	1187	1201	0- 10	109.5	109.5	8.98, 8.98
20	962.8	1050	997.9	1023	964.3	969.4	928.7	993.1	10- 20	317.8	427.3	35, 35
30	540.3	557.7	566.5	542.0	549.1	504.7	525.4	519.2	20- 30	338.0	765.4	62.7, 62.7
40	342.1	368.7	361.9	366.9	330.3	357.4	303.1	361.9	30- 40	271.1	1036	84.9, 84.9
50	27.48	167.0	28.93	145.6	24.98	105.6	23.71	115.4	40- 50	152.5	1189	97.4, 97.4
60	13.37	9.925	13.85	9.392	13.70	8.740	12.82	8.791	50- 60	18.41	1207	98.9, 98.9
70	6.192	4.764	6.870	4.846	6.217	4.573	5.913	4.531	60- 70	8.010	1215	99.6, 99.6
80	2.724	2.357	2.903	2.381	2.834	2.109	2.674	2.153	70- 80	4.006	1219	99.9, 99.9
90	0.0689	0.0826	0.1157	0.0743	0.1295	0.1542	0.1377	0.1514	80- 90	1.040	1220	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): 1142.1 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 1207.4 lm

%lum = 98.9%

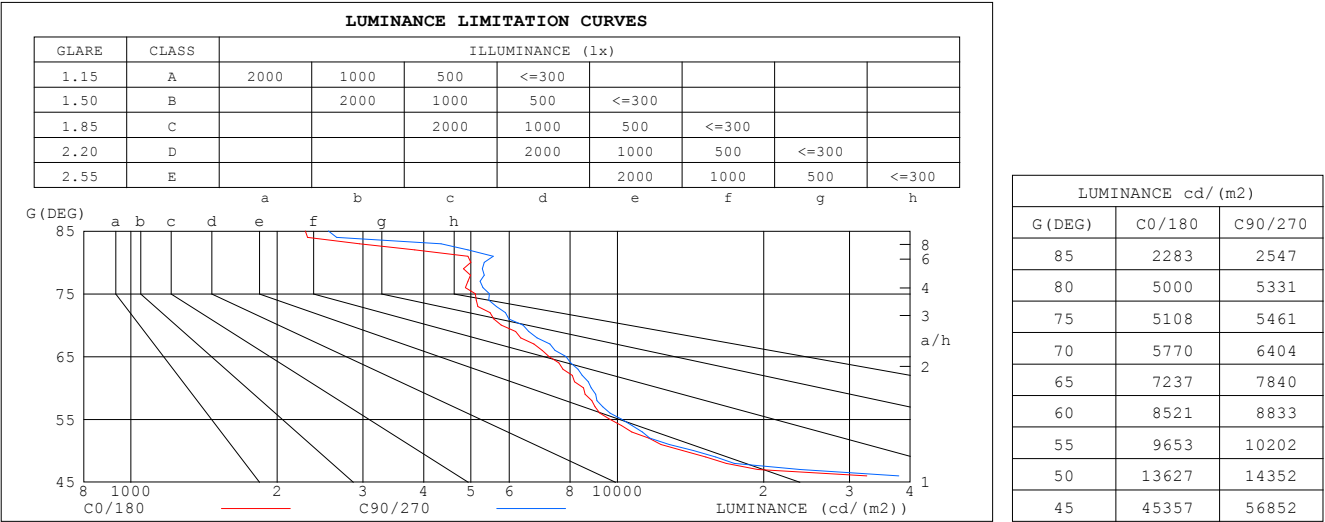
%lamp = 98.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 陈荷莲
Test Date: 2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



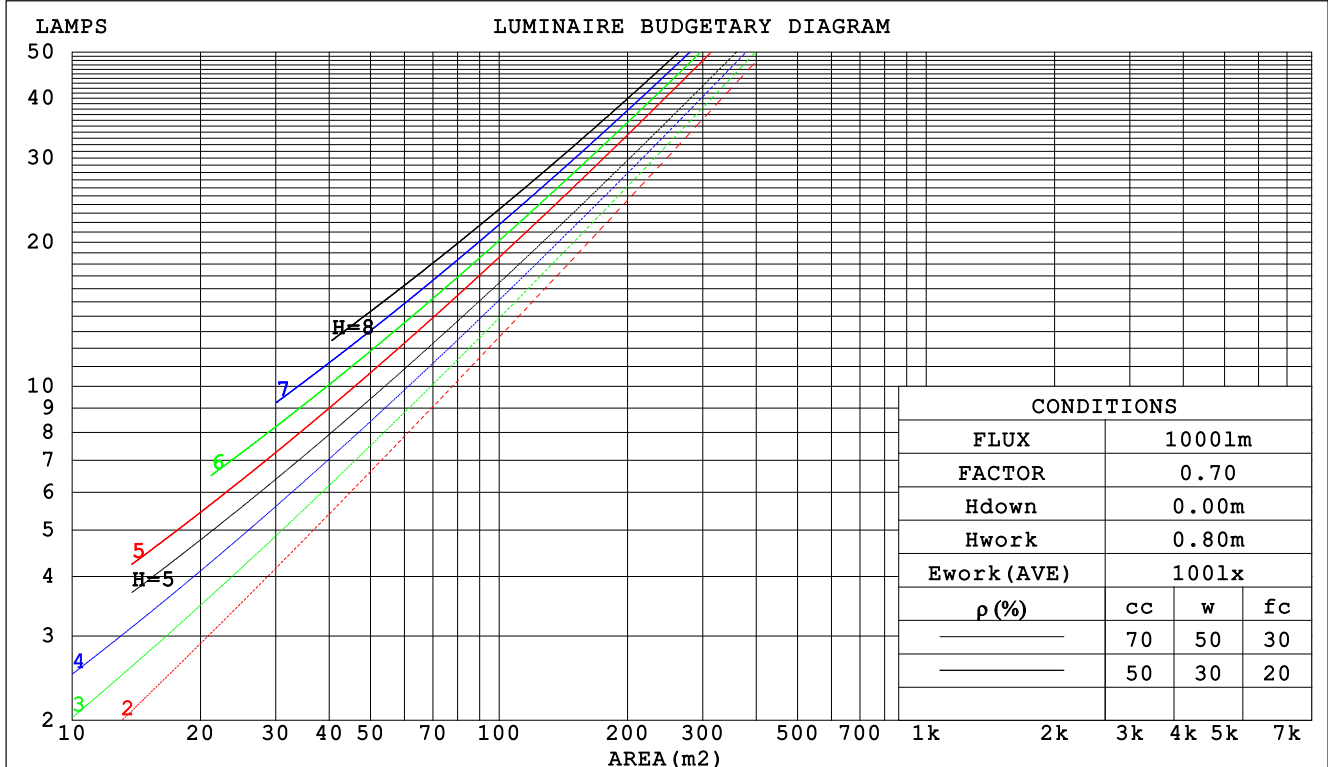
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.82	.86	.83	.80	.79
4.0	.88	.82	.77	.86	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.74	.73
5.0	.82	.75	.71	.81	.75	.70	.79	.74	.70	.77	.73	.69	.75	.72	.69	.67
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.68	.64	.71	.67	.64	.62
7.0	.71	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.58
8.0	.67	.60	.56	.66	.60	.56	.65	.60	.56	.64	.59	.55	.63	.58	.55	.54
9.0	.63	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.48	.56	.52	.48	.47



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	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	.189 .107 .034	.182 .104 .033	.169 .097 .031	.158 .091 .029	.147 .085 .027	
2.0	.182 .100 .031	.176 .097 .030	.165 .092 .029	.155 .087 .027	.146 .083 .026	
3.0	.174 .092 .028	.169 .090 .027	.160 .086 .026	.151 .083 .025	.143 .079 .025	
4.0	.166 .086 .025	.161 .084 .025	.153 .081 .024	.146 .078 .024	.139 .076 .023	
5.0	.158 .080 .023	.154 .079 .023	.147 .077 .023	.141 .074 .022	.135 .072 .022	
6.0	.151 .075 .022	.147 .074 .021	.141 .072 .021	.135 .070 .021	.130 .068 .020	
7.0	.144 .071 .020	.141 .070 .020	.135 .068 .020	.130 .067 .019	.125 .065 .019	
8.0	.137 .067 .019	.135 .066 .019	.130 .065 .019	.125 .063 .018	.121 .062 .018	
9.0	.131 .064 .018	.129 .063 .018	.125 .062 .017	.120 .060 .017	.117 .059 .017	
10.0	.126 .060 .017	.124 .060 .017	.120 .059 .017	.116 .058 .016	.112 .057 .016	

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	.172 .157 .144	.147 .135 .124	.101 .093 .086	.058 .054 .050	.019 .017 .016	
2.0	.158 .132 .111	.135 .114 .096	.092 .079 .067	.053 .046 .039	.017 .015 .013	
3.0	.146 .114 .088	.125 .098 .076	.086 .068 .053	.050 .040 .032	.016 .013 .010	
4.0	.136 .099 .071	.117 .086 .061	.080 .060 .043	.047 .035 .026	.015 .011 .008	
5.0	.128 .088 .058	.110 .076 .050	.076 .053 .036	.044 .031 .021	.014 .010 .007	
6.0	.121 .079 .048	.104 .068 .042	.072 .048 .030	.042 .028 .018	.013 .009 .006	
7.0	.115 .071 .041	.099 .062 .035	.068 .043 .025	.040 .025 .015	.013 .008 .005	
8.0	.109 .065 .035	.094 .056 .030	.065 .040 .022	.038 .023 .013	.012 .008 .004	
9.0	.104 .060 .030	.090 .052 .026	.062 .037 .019	.036 .022 .011	.012 .007 .004	
10.0	.099 .056 .027	.086 .048 .023	.059 .034 .016	.035 .020 .010	.011 .007 .003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT					DIM. :			SERIAL No.:1			
MFR. :					SUR.:56*56MM			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	23.2	24.3	23.5	24.4	24.6	23.5	24.5	23.7	24.7	24.9
	3H	23.1	24.0	23.4	24.2	24.4	23.4	24.3	23.6	24.5	24.7
	4H	23.0	23.9	23.3	24.1	24.4	23.3	24.2	23.6	24.4	24.6
	6H	22.9	23.8	23.3	24.0	24.3	23.2	24.0	23.5	24.3	24.5
	8H	22.9	23.7	23.2	24.0	24.2	23.2	24.0	23.5	24.2	24.5
	12H	22.9	23.6	23.2	23.9	24.2	23.1	23.9	23.5	24.2	24.5
4H	2H	23.0	23.9	23.3	24.1	24.3	23.3	24.1	23.5	24.4	24.6
	3H	22.9	23.6	23.2	23.9	24.2	23.1	23.9	23.4	24.2	24.4
	4H	22.8	23.5	23.1	23.8	24.1	23.1	23.7	23.4	24.0	24.4
	6H	22.7	23.3	23.1	23.7	24.0	23.0	23.6	23.4	23.9	24.3
	8H	22.7	23.2	23.1	23.6	24.0	23.0	23.5	23.3	23.9	24.2
	12H	22.6	23.1	23.0	23.5	23.9	22.9	23.4	23.3	23.8	24.2
8H	4H	22.6	23.2	23.0	23.6	23.9	22.9	23.5	23.3	23.8	24.2
	6H	22.6	23.0	23.0	23.4	23.9	22.9	23.3	23.3	23.7	24.1
	8H	22.6	23.0	23.0	23.4	23.8	22.8	23.2	23.3	23.6	24.1
	12H	22.5	22.9	23.0	23.3	23.8	22.8	23.1	23.3	23.6	24.0
12H	4H	22.6	23.1	23.0	23.5	23.9	22.9	23.4	23.3	23.8	24.1
	6H	22.5	22.9	23.0	23.4	23.8	22.8	23.2	23.3	23.6	24.1
	8H	22.5	22.9	23.0	23.3	23.8	22.8	23.1	23.3	23.6	24.0
Variations with the observer position at spacings:											
S = 1.0H		+ 2.8 / -10.6					+ 2.7 / -10.3				
1.5H		+ 3.5 / -10.2					+ 3.4 / -10.0				
2.0H		+ 5.1 / - 4.9					+ 5.5 / - 5.5				

CIE Pub.117, 1220 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:陈荷莲
 Test Date:2024-06-29

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:

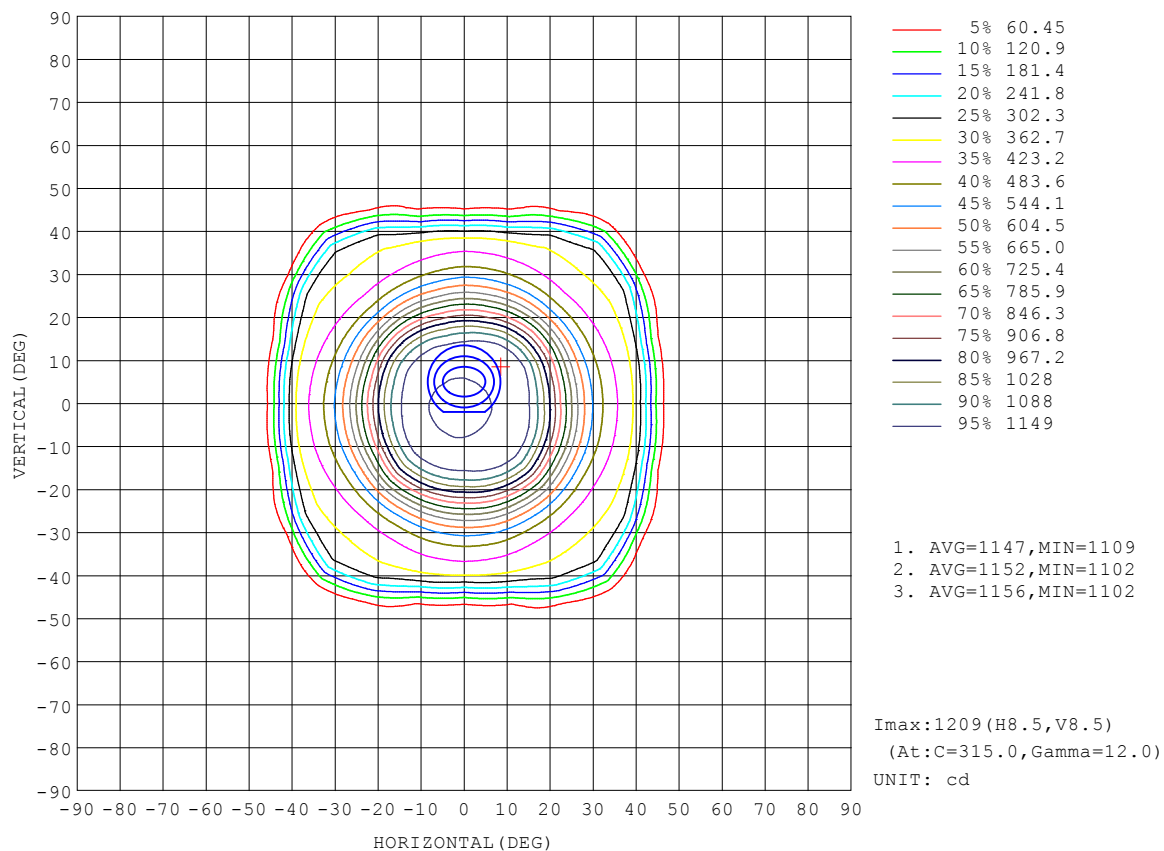
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

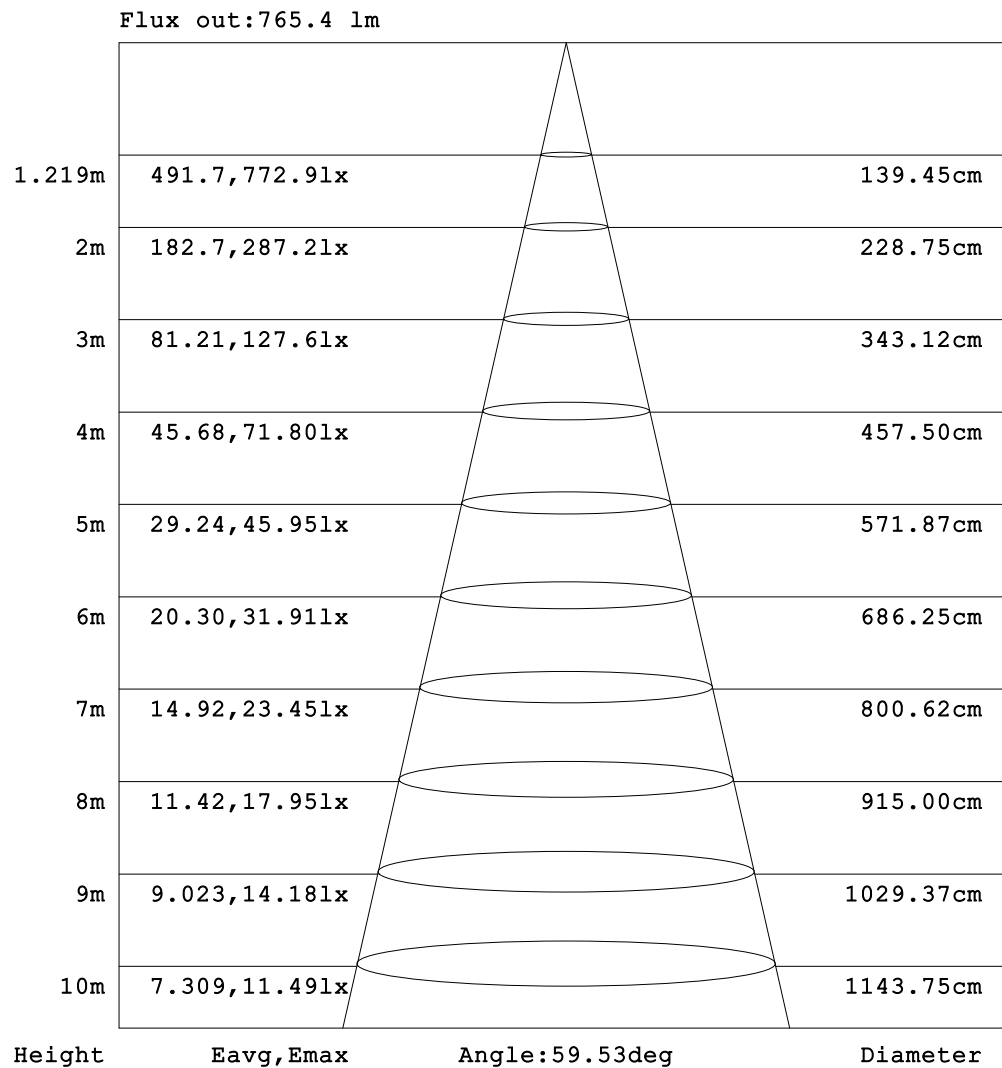


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



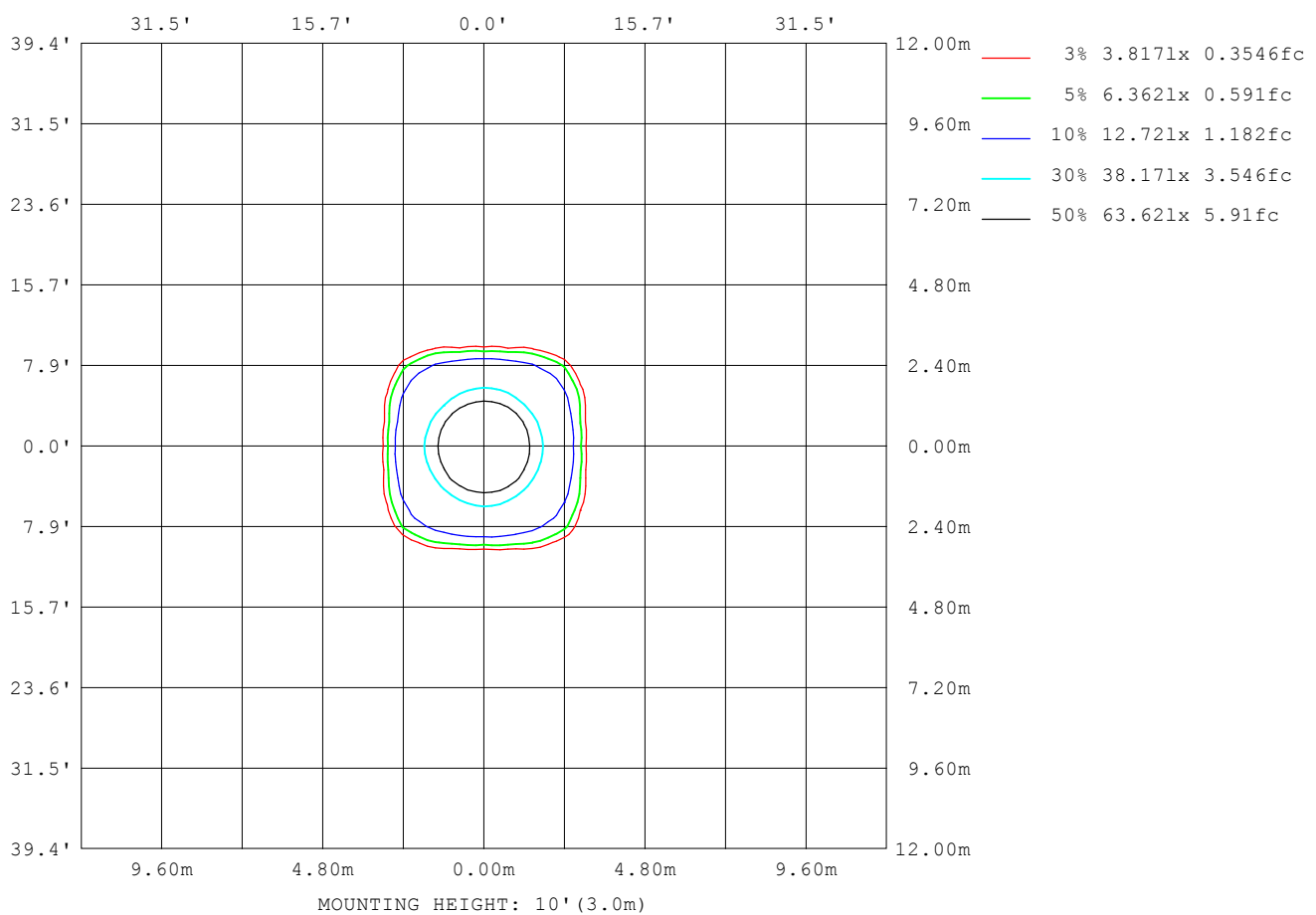
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

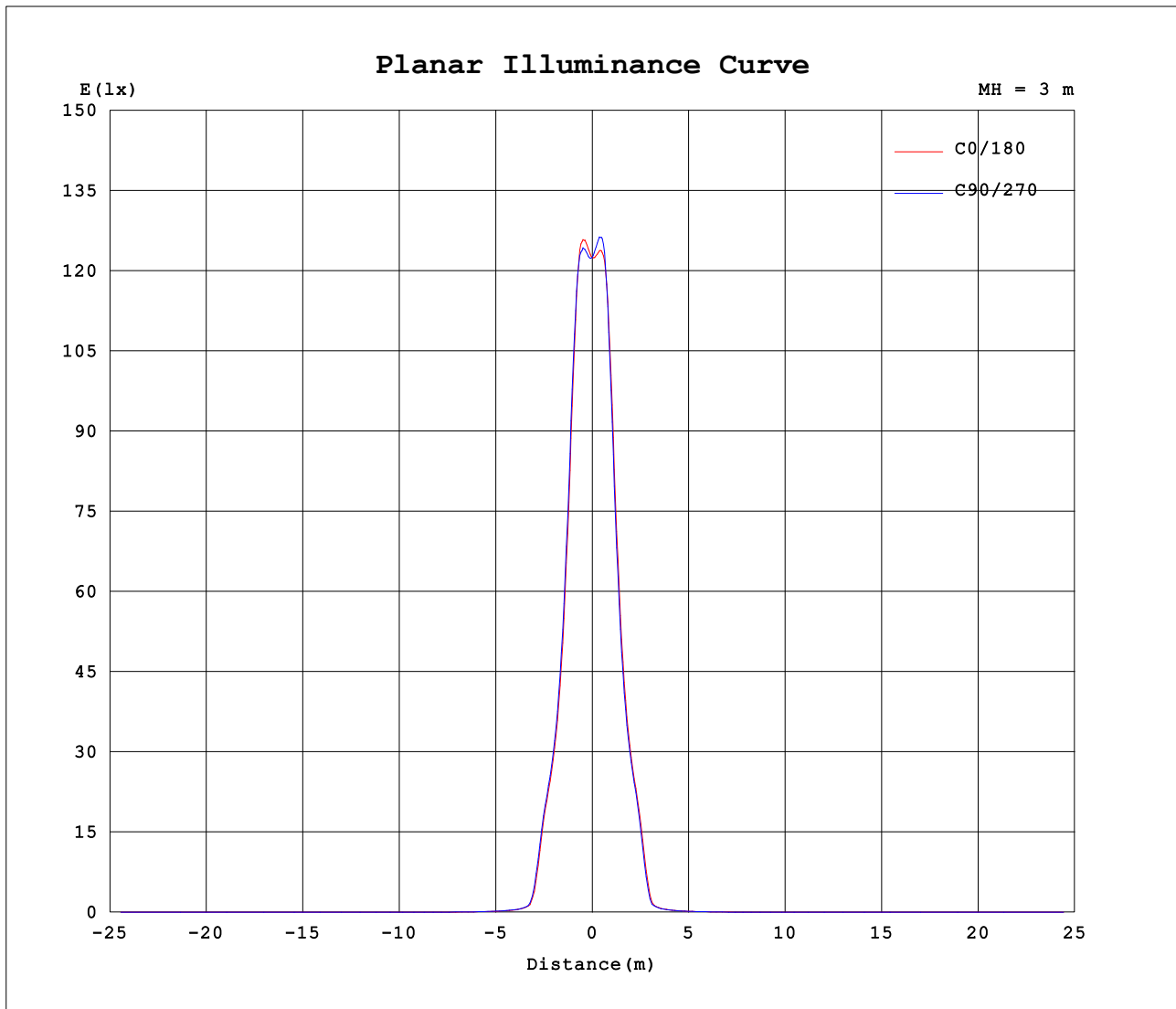
AvgL	cd/m2
L_0~180 (65) av	7261
L_0~180 (75) av	5140
L_0~180 (85) av	2405
L_90~270 (65) av	7383
L_90~270 (75) av	5152
L_90~270 (85) av	2399
L_45 (65) av	4777
L_45 (75) av	4349
L_45 (85) av	2430

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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: 陈荷莲
Test Date: 2024-06-29

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:

```