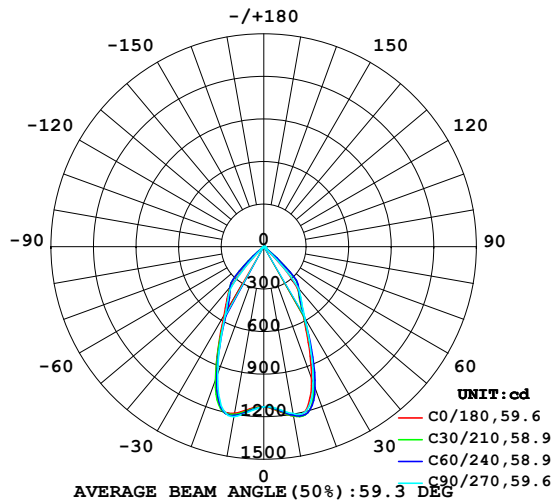


LUMINAIRE PHOTOMETRIC TEST REPORT

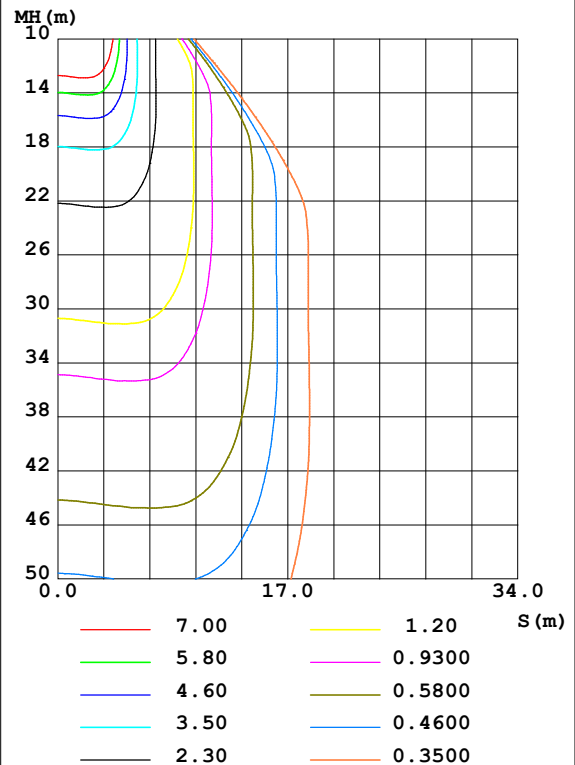
NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.95 lm/W
MODEL		Imax(cd)	1238	S/MH(C0/180)	0.93	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.91	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1251.7	η UP,DN(C0-180)	0.0,51.1	
NOMINAL FLUX(lm)	1251.73	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.9	
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	1212	1212	1196	1193	1192	1208	1217	1230	0- 10	112.2	112.2	8.96,8.96
20	987.8	1075	1020	1048	988.6	995.8	953.5	1022	10- 20	325.7	437.9	35,35
30	555.1	571.6	579.4	554.8	563.4	519.1	539.6	534.3	20- 30	346.8	784.7	62.7,62.7
40	350.6	377.9	370.2	375.8	336.6	366.8	312.8	371.6	30- 40	278.0	1063	84.9,84.9
50	28.41	169.5	29.62	150.4	25.72	107.4	24.54	121.6	40- 50	156.6	1219	97.4,97.4
60	13.81	10.22	14.28	9.689	14.12	9.058	13.26	9.126	50- 60	18.96	1238	98.9,98.9
70	6.406	4.928	7.047	5.006	6.420	4.740	6.111	4.692	60- 70	8.275	1247	99.6,99.6
80	2.815	2.423	2.989	2.446	2.913	2.186	2.773	2.226	70- 80	4.134	1251	99.9,99.9
90	0.0716	0.0853	0.1157	0.0771	0.1321	0.1569	0.1377	0.1515	80- 90	1.071	1252	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): 1171 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 1238.3 lm

%lum = 98.9%

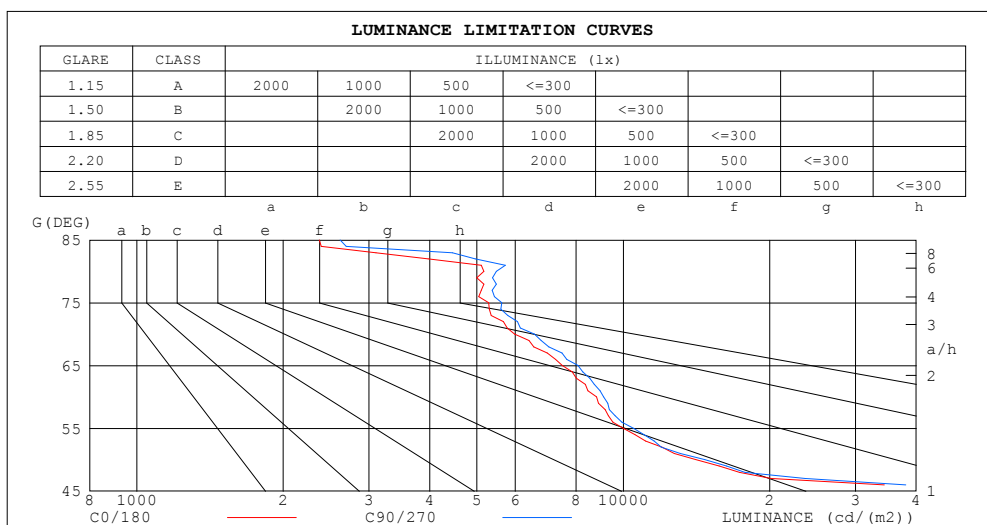
%lamp = 98.9%

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 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2374	2617
80	5172	5487
75	5284	5624
70	5975	6569
65	7491	8065
60	8814	9105
55	9993	10489
50	14101	14694
45	48231	57976

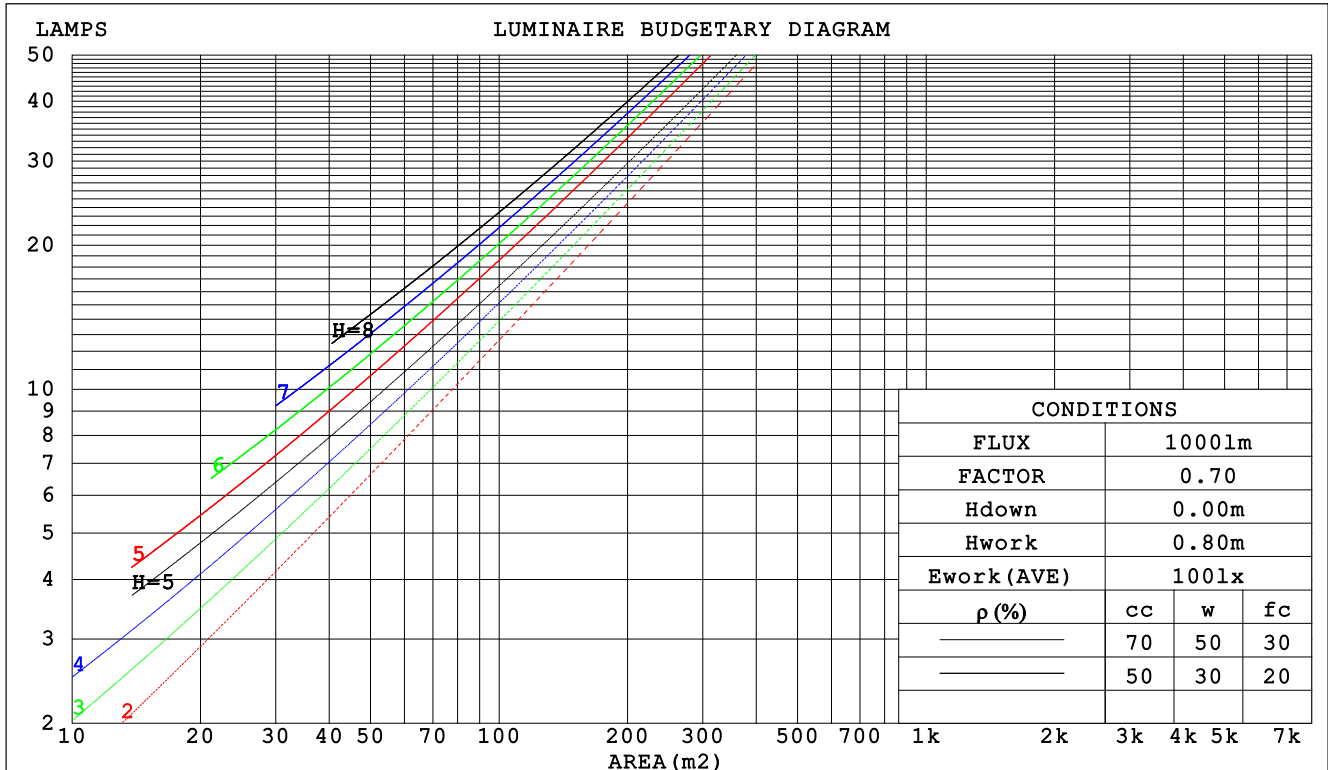
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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 5000K	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	.72
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	.59	.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 5000K	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	.156 .087 .027	.146 .083 .026	
3.0	.174 .092 .028	.169 .090 .027	.160 .087 .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	.121 .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 5000K			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	23.3	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	23.2	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	23.4	24.1	24.4
4H	2H	23.0	23.9	23.3	24.1	24.3	23.2	24.1	23.5	24.3	24.6
	3H	22.8	23.6	23.2	23.9	24.2	23.1	23.9	23.4	24.1	24.4
	4H	22.8	23.5	23.1	23.8	24.1	23.0	23.7	23.4	24.0	24.3
	6H	22.7	23.3	23.1	23.7	24.0	23.0	23.6	23.3	23.9	24.2
	8H	22.7	23.2	23.1	23.6	24.0	22.9	23.5	23.3	23.8	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	22.8	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	22.8	23.0	23.3	23.8	22.8	23.1	23.2	23.5	24.0
12H	4H	22.6	23.1	23.0	23.5	23.9	22.8	23.4	23.3	23.7	24.1
	6H	22.5	22.9	23.0	23.4	23.8	22.8	23.2	23.2	23.6	24.1
	8H	22.5	22.9	23.0	23.3	23.8	22.8	23.1	23.2	23.5	24.0
Variations with the observer position at spacings:											
S = 1.0H		+ 2.8 / -10.5					+ 2.7 / -10.3				
1.5H		+ 3.4 / -10.2					+ 3.4 / -10.0				
2.0H		+ 5.2 / - 5.0					+ 5.5 / - 5.4				

CIE Pub.117, 1252 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.8$)

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:

UTILIZATION FACTORS TABLE

NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

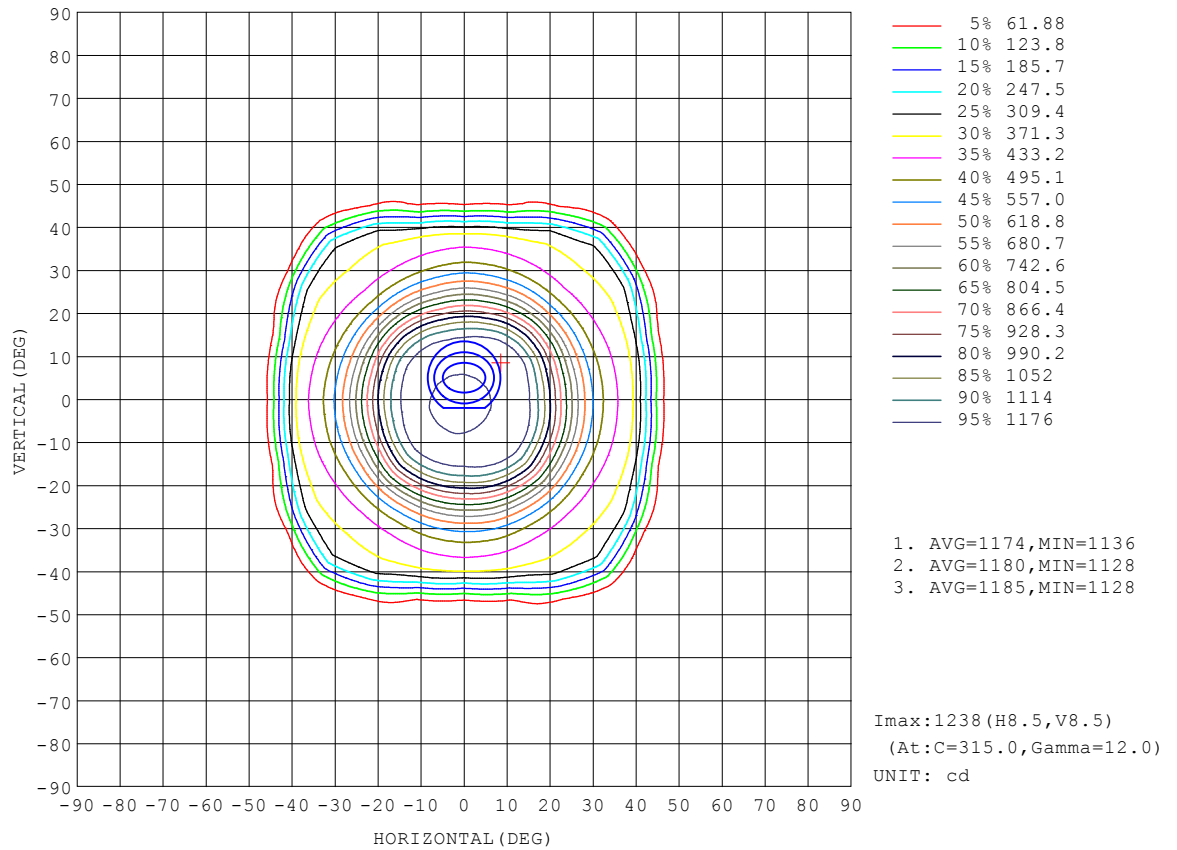
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	82	75	70	81	75	70	81	74	70	66
0.80	90	84	79	90	83	79	88	83	79	75
1.00	96	90	85	95	89	85	93	89	85	80
1.25	101	95	91	100	94	90	97	93	90	85
1.50	104	98	95	102	98	94	100	96	93	88
2.00	107	102	99	106	101	98	103	99	97	91
2.50	109	105	101	107	103	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	109	112	110	108	108	106	105	97
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

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:

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

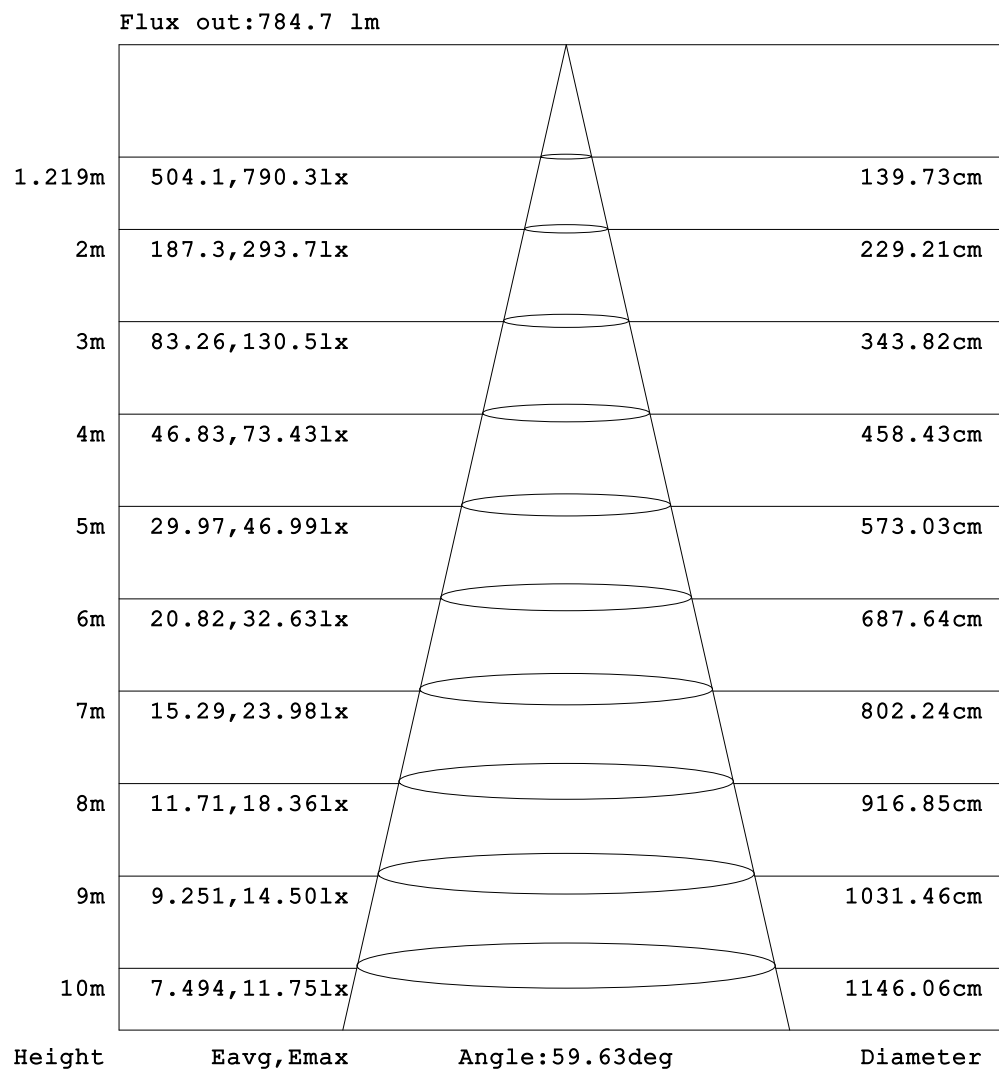


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:陈荷莲
Test Date:2024-06-29

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 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



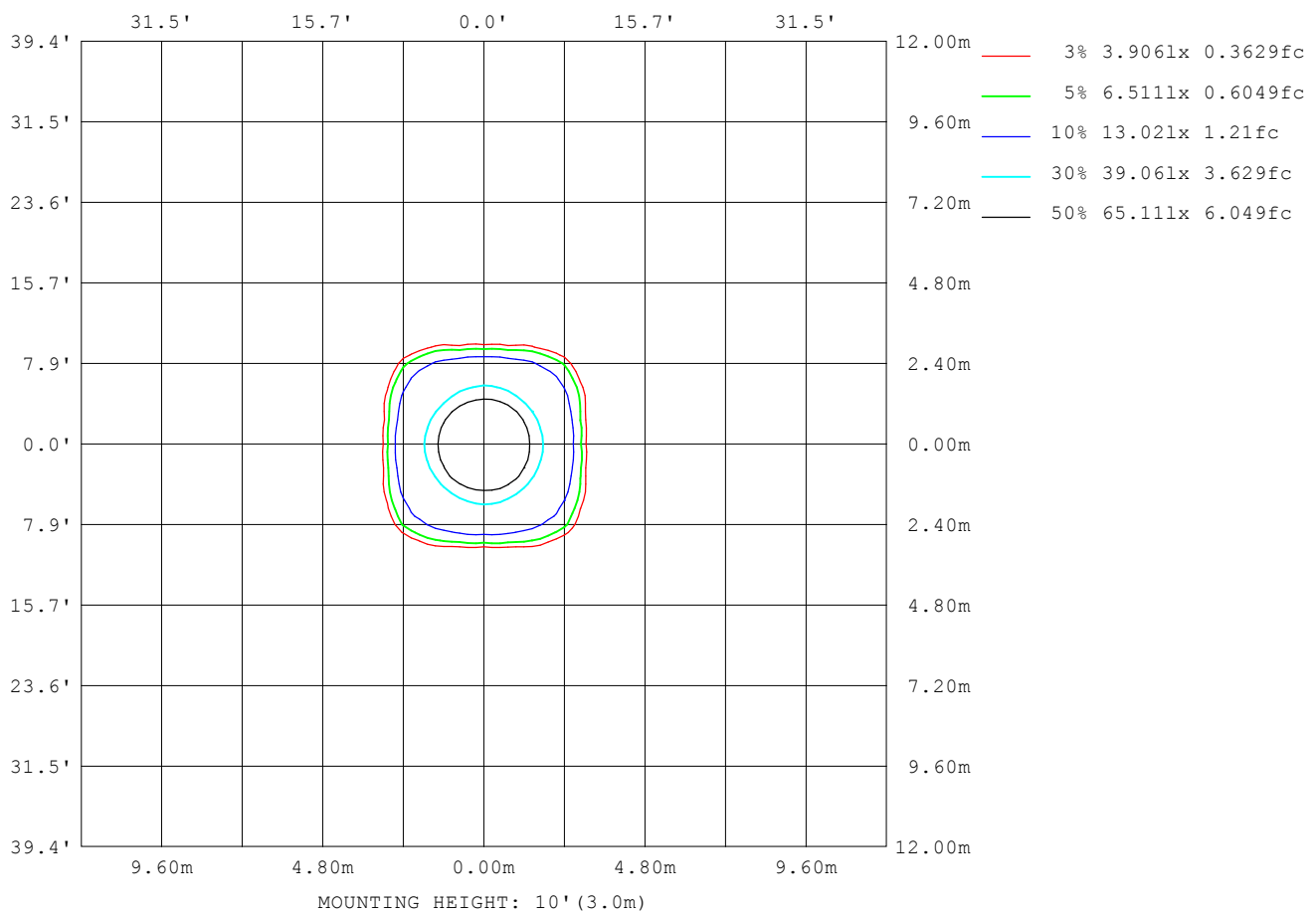
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 5000K	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 5000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

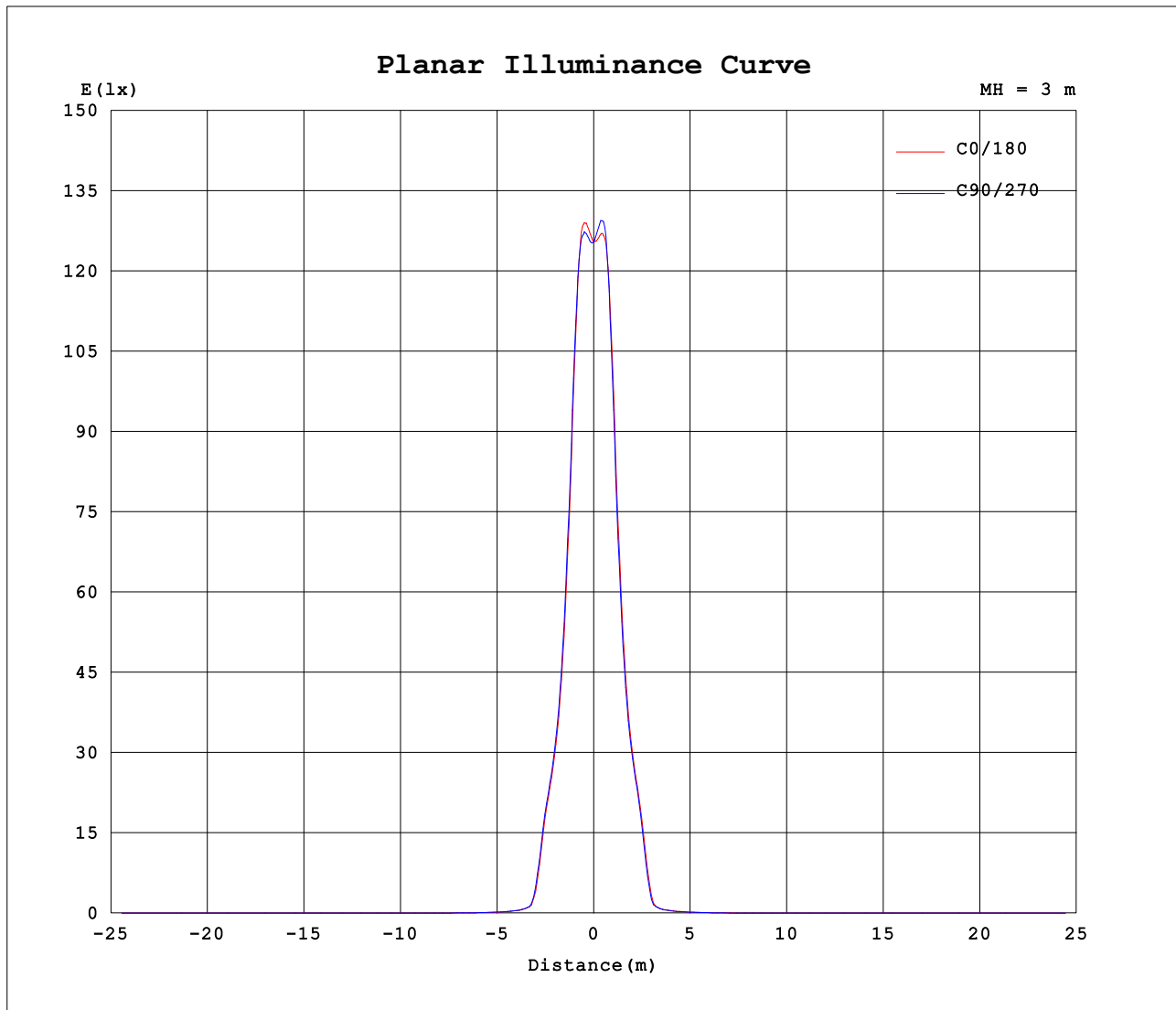
AvgL	cd/m2
L_0~180 (65) av	7498
L_0~180 (75) av	5306
L_0~180 (85) av	2497
L_90~270 (65) av	7612
L_90~270 (75) av	5316
L_90~270 (85) av	2485
L_45 (65) av	4945
L_45 (75) av	4486
L_45 (85) av	2502

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:

```

```

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:

```