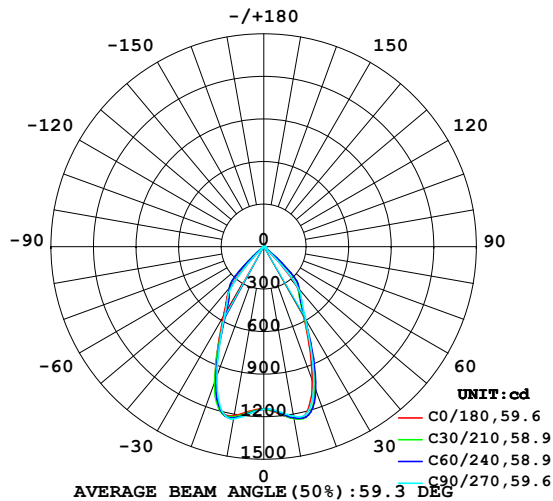


## LUMINAIRE PHOTOMETRIC TEST REPORT

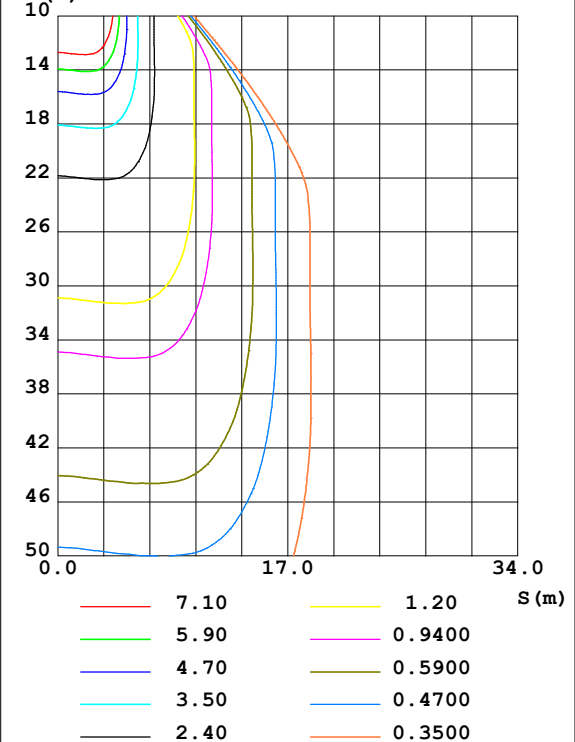
NAME:	TYPE:CRI90 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 93.73 lm/W
MODEL		Imax(cd)	1256	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)	1269.5	$\eta$ UP,DN(C0-180)	0.0,51.1	
NOMINAL FLUX(lm)	1269.46	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,48.9	
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	120	$\eta$ 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

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1229	1230	1213	1211	1209	1225	1234	1248	0- 10	113.8	113.8	8.97,8.97
20	1002	1090	1034	1062	1003	1010	968.6	1035	10- 20	330.4	444.3	35,35
30	563.0	579.0	587.4	562.5	571.1	526.4	548.0	541.7	20- 30	351.7	796.0	62.7,62.7
40	355.5	383.2	374.6	381.2	342.4	372.1	317.9	376.9	30- 40	282.0	1078	84.9,84.9
50	28.77	171.7	29.97	151.7	26.06	110.6	24.91	122.8	40- 50	158.7	1237	97.4,97.4
60	13.99	10.34	14.46	9.792	14.31	9.181	13.43	9.238	50- 60	19.19	1256	98.9,98.9
70	6.481	4.983	7.128	5.056	6.498	4.798	6.201	4.753	60- 70	8.378	1264	99.6,99.6
80	2.845	2.452	3.013	2.471	2.957	2.217	2.811	2.262	70- 80	4.184	1268	99.9,99.9
90	0.0689	0.0854	0.1129	0.0743	0.1351	0.1598	0.1405	0.1541	80- 90	1.084	1269	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): 1187.8 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 1255.8 lm

%lum = 98.9%

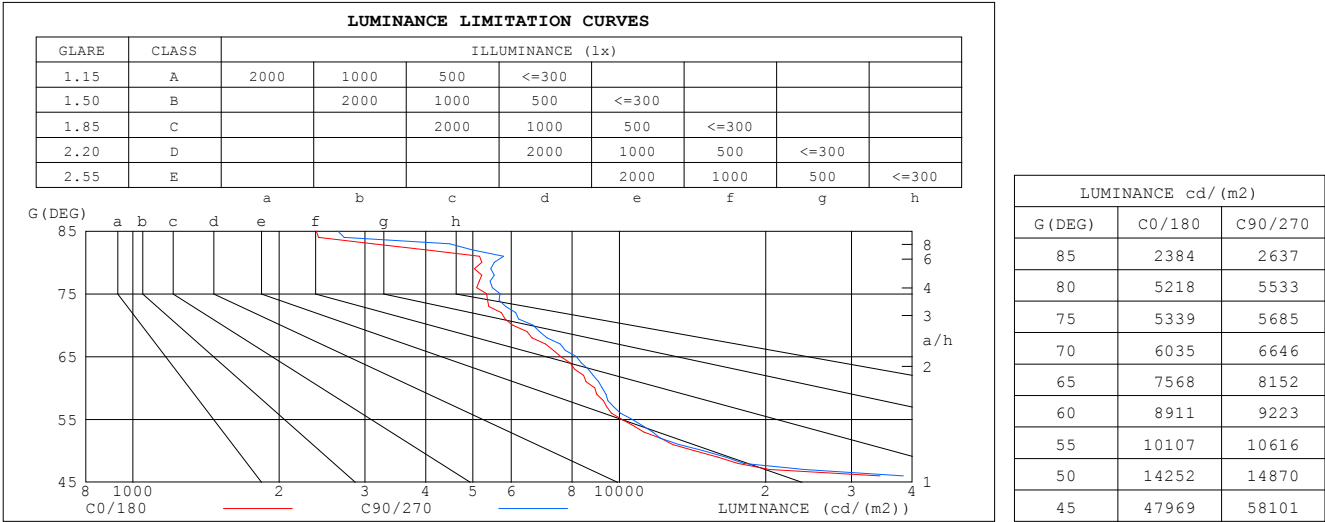
%lamp = 98.9%

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

$\gamma$  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 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



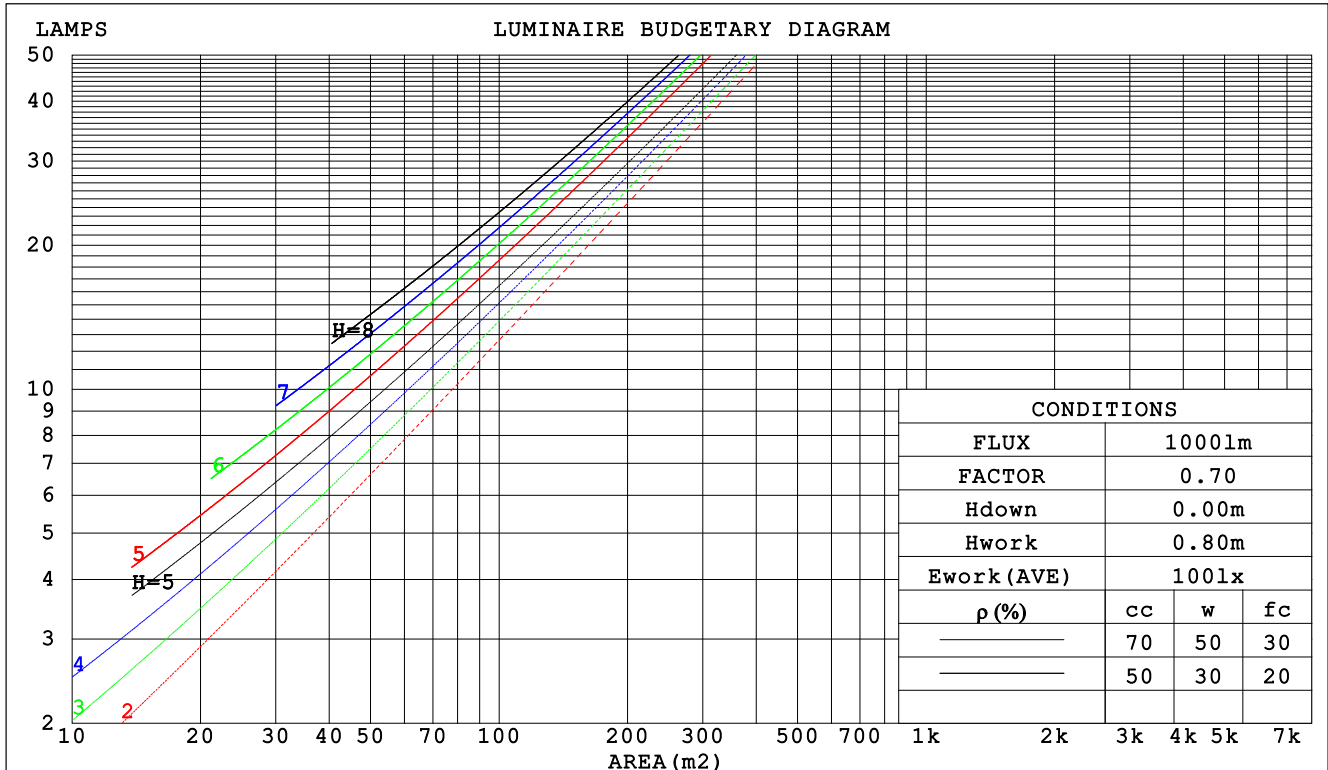
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:陈荷莲  
Test Date:2024-06-29

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 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	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	1.10	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	.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

$\gamma$  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 4000K	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 .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	.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 4000K			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	24.8
	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	24.1	23.5	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	23.1	23.9	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	23.8	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	23.6	24.0	23.0	23.6	23.3	23.9	24.2
	8H	22.7	23.2	23.1	23.6	23.9	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	24.1
8H	4H	22.6	23.2	23.0	23.6	23.9	22.9	23.4	23.3	23.8	24.2
	6H	22.6	23.0	23.0	23.4	23.8	22.8	23.3	23.3	23.7	24.1
	8H	22.5	22.9	23.0	23.4	23.8	22.8	23.2	23.2	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	23.3	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	24.0
	8H	22.5	22.8	23.0	23.3	23.8	22.7	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		+ 3.5 / -10.2					+ 3.4 / -10.0				
2.0H		+ 5.1 / - 4.9					+ 5.5 / - 5.4				

CIE Pub.117, 1269 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 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:

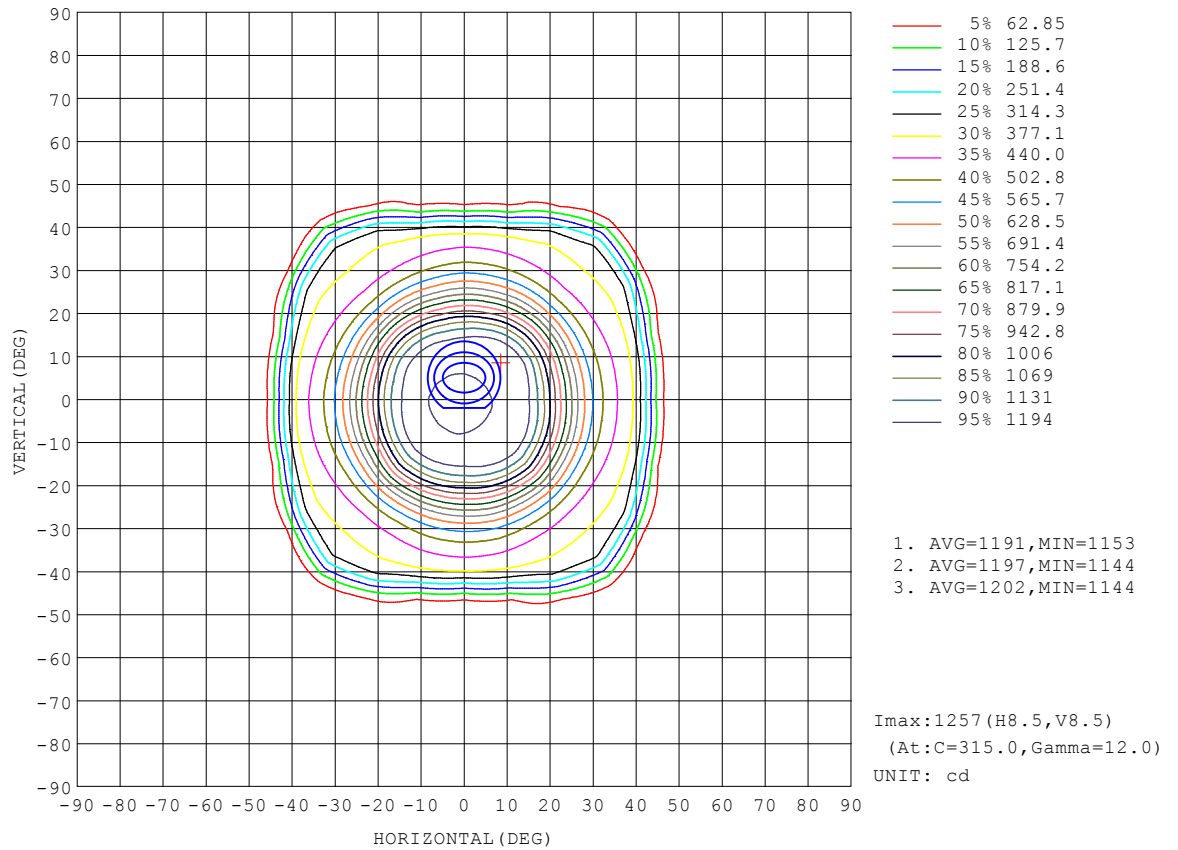
```

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 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



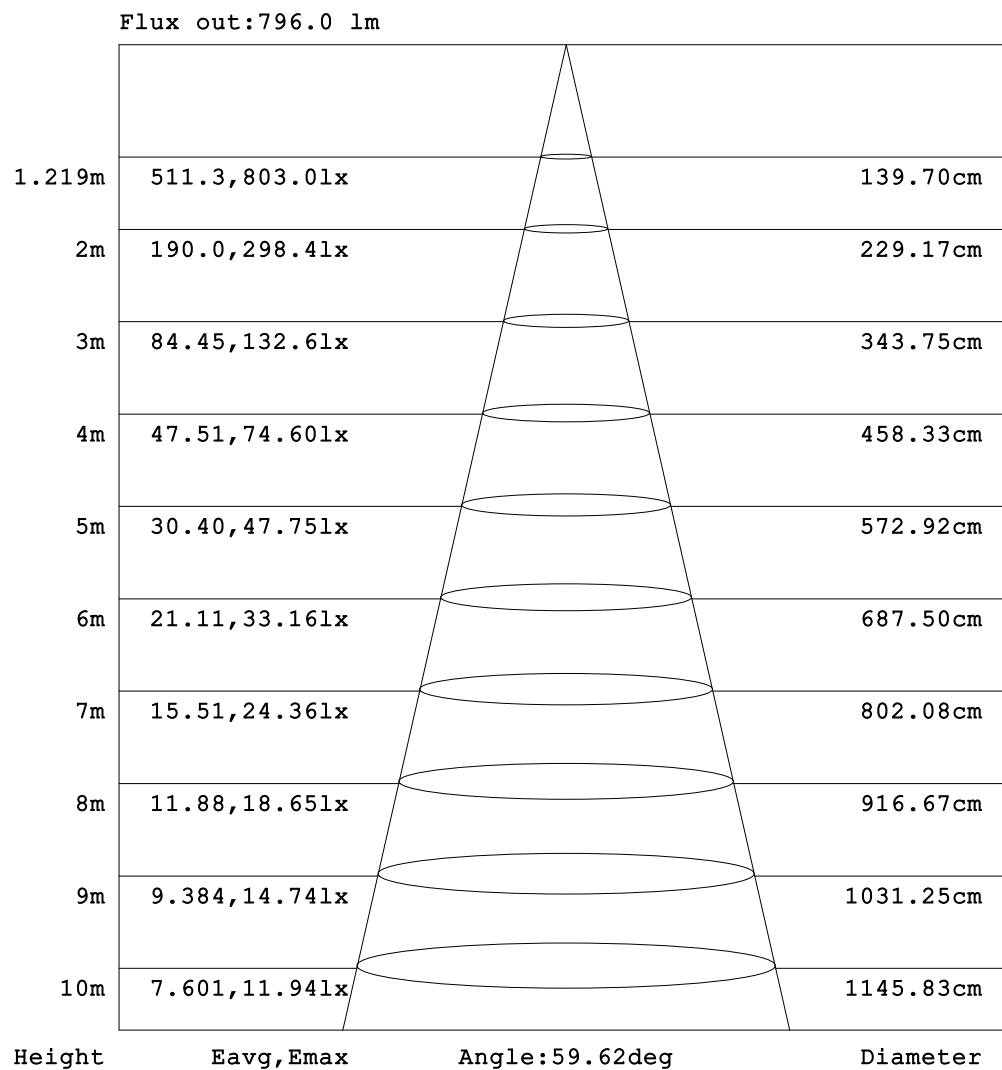
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:陈荷莲  
Test Date:2024-06-29

$\gamma$  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:



## AAI Figure

NAME:	TYPE:CRI90 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



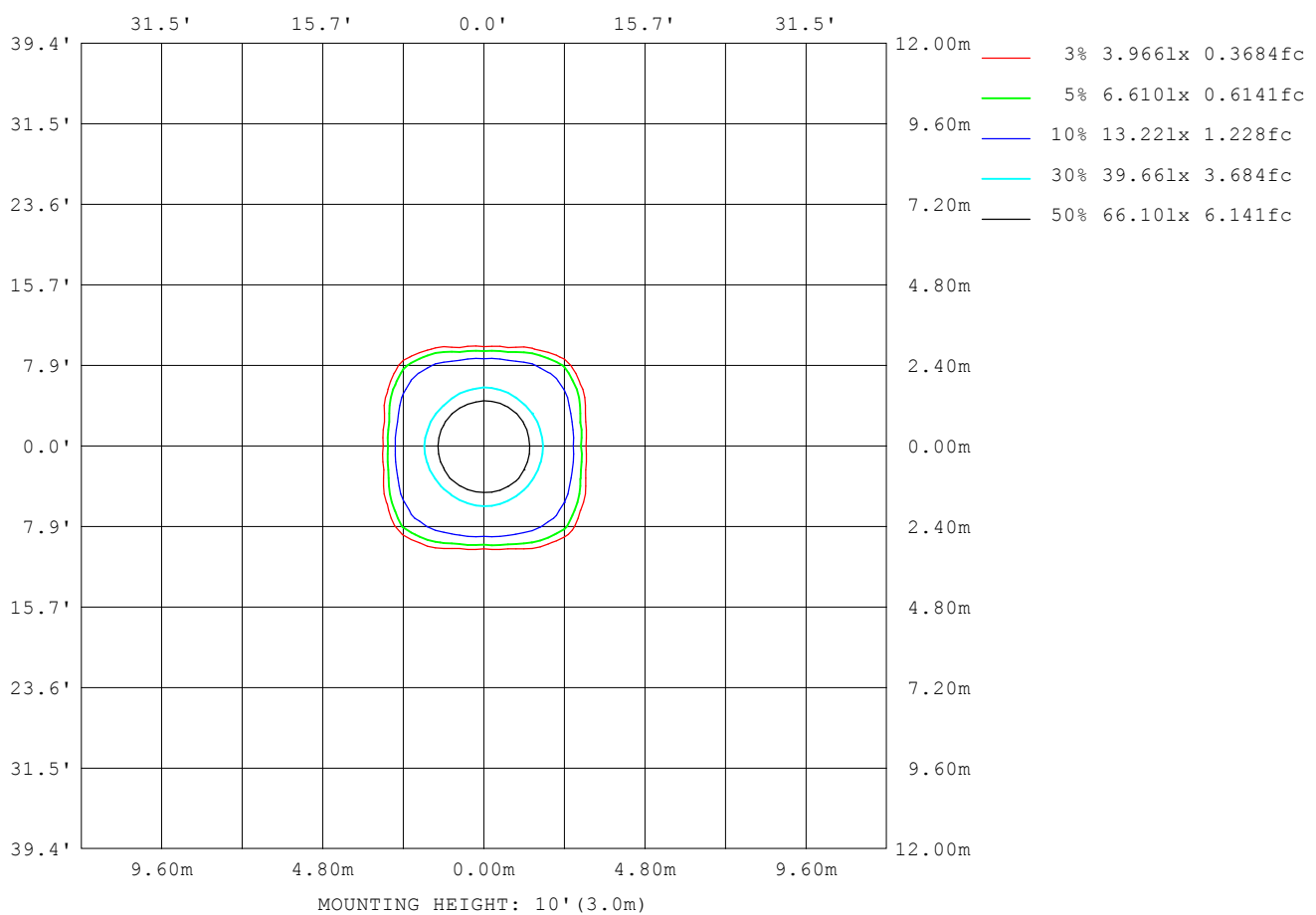
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 4000K	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 4000K	WEIGHT:
SPEC.:RAD35S-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

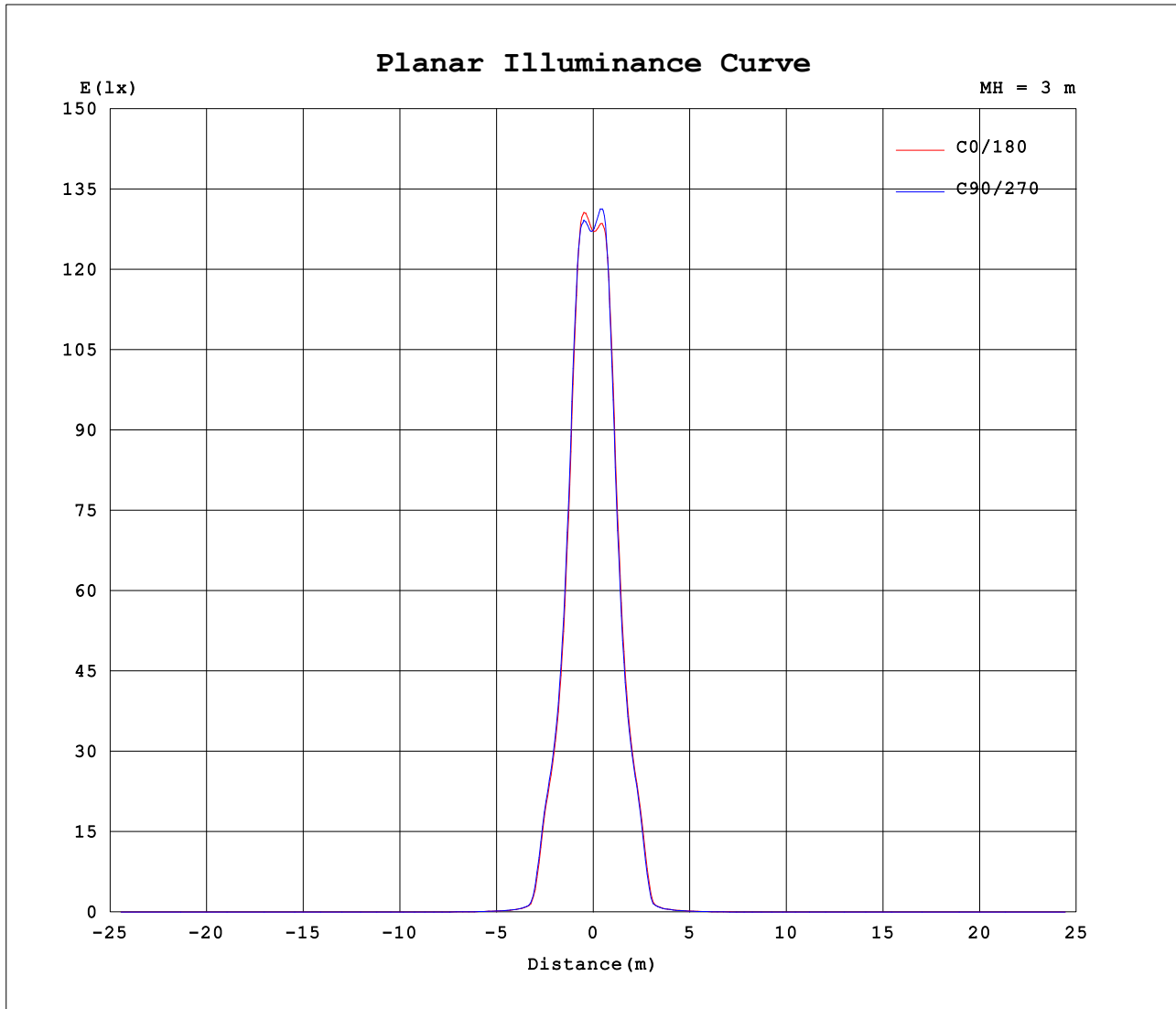
AvgL	cd/m2
L_0~180 (65) av	7590
L_0~180 (75) av	5370
L_0~180 (85) av	2522
L_90~270 (65) av	7700
L_90~270 (75) av	5382
L_90~270 (85) av	2499
L_45 (65) av	5006
L_45 (75) av	4540
L_45 (85) av	2526

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

$\gamma$  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:

```