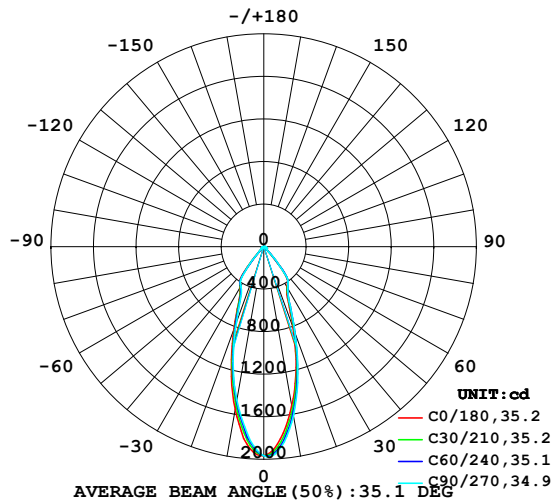


## LUMINAIRE PHOTOMETRIC TEST REPORT

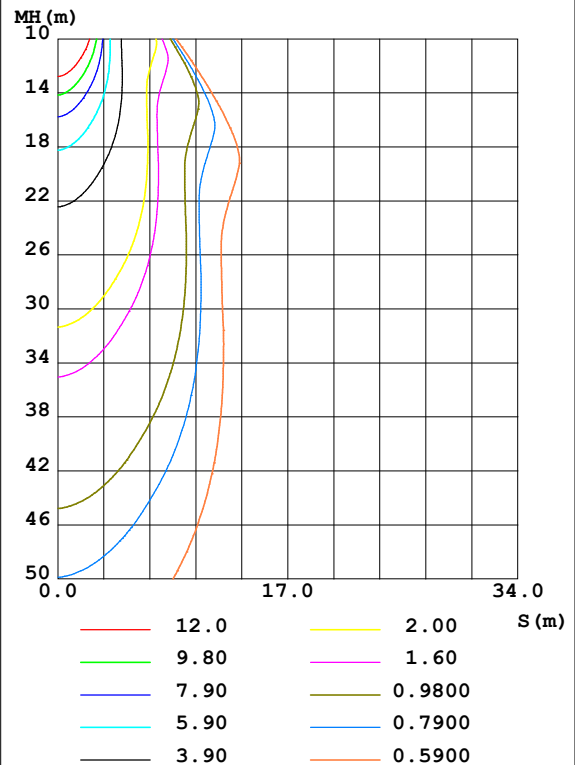
NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.82 lm/W
MODEL		Imax(cd)	1978	S/MH(C0/180)		0.58
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)		0.55
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1083.3	η UP,DN(C0-180)		0.0,51.6
NOMINAL FLUX(lm)	1083.34	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,48.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX		0.55

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1520	1572	1611	1603	1553	1497	1466	1483	0- 10	165.3	165.3	15.3,15.3
20	805.4	851.4	859.6	848.0	820.0	785.8	756.2	767.1	10- 20	322.8	488.2	45.1,45.1
30	438.0	450.4	452.6	452.3	448.4	439.4	432.7	430.7	20- 30	260.3	748.5	69.1,69.1
40	198.9	228.6	228.4	213.4	191.2	163.8	164.4	169.9	30- 40	226.0	974.4	89.9,89.9
50	32.54	33.15	32.58	31.94	31.81	31.72	31.63	32.02	40- 50	50.59	1025	94.6,94.6
60	24.22	24.22	23.65	23.29	23.19	23.14	23.39	23.91	50- 60	24.73	1050	96.9,96.9
70	17.80	17.67	17.16	16.93	16.81	16.81	17.14	17.69	60- 70	20.15	1070	98.8,98.8
80	3.802	4.688	5.003	4.753	4.067	3.248	3.024	3.197	70- 80	12.27	1082	99.9,99.9
90	0.0937	0.0936	0.1128	0.0992	0.1654	0.1652	0.1760	0.1598	80- 90	1.189	1083	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): 1010.1 lm

%lum = 93.2%

%lamp = 93.2%

Conical surface Flux(120deg): 1049.7 lm

%lum = 96.9%

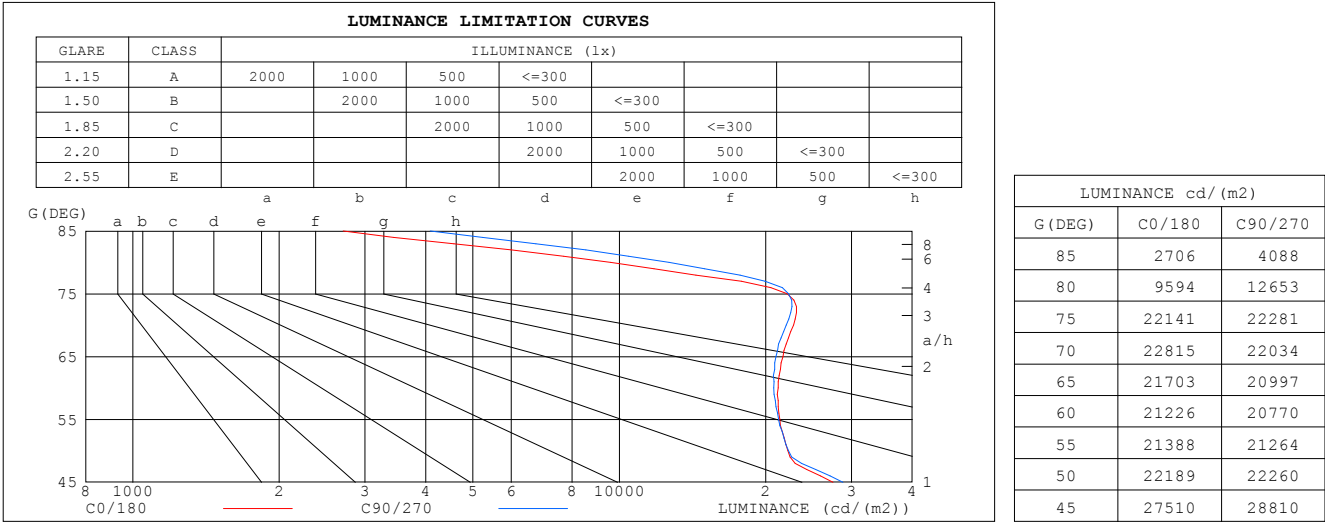
%lamp = 96.9%

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 3500K	WEIGHT:
SPEC.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:



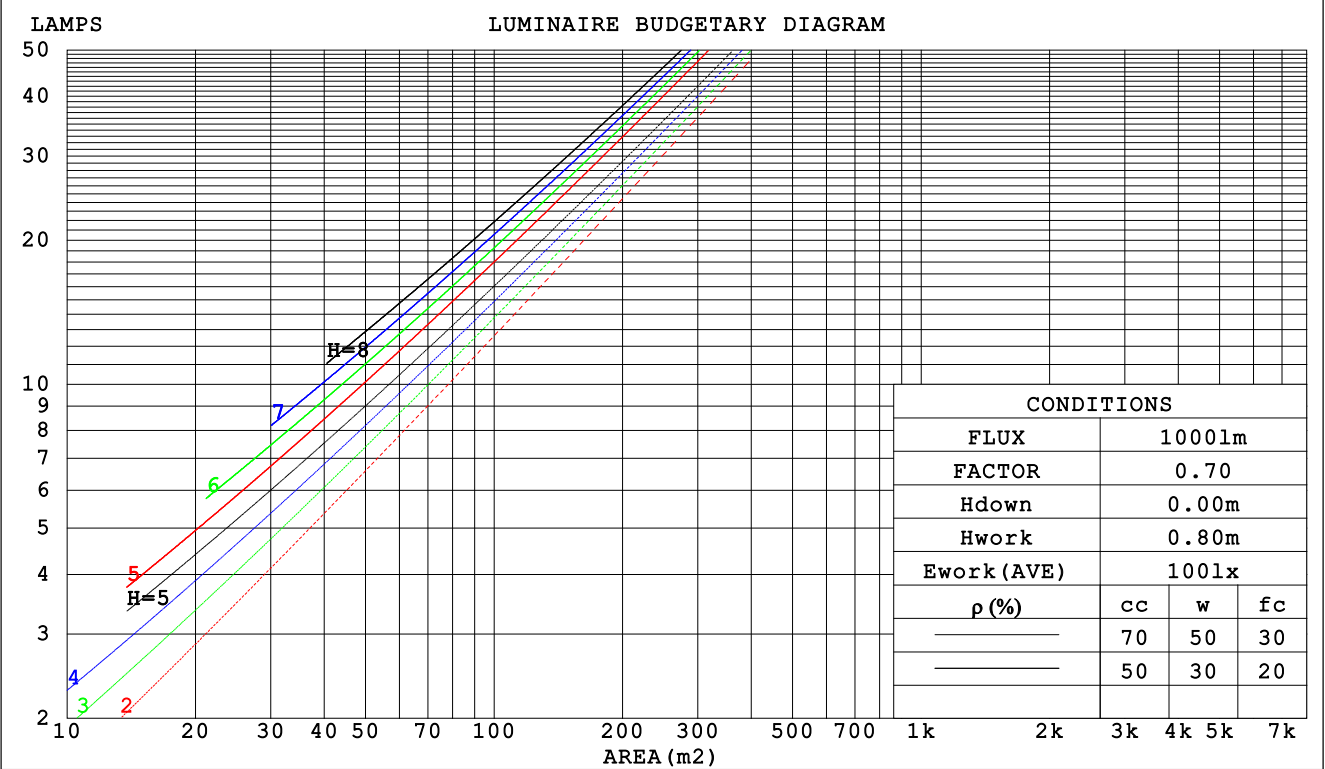
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:陈荷莲  
Test Date:2024-06-29

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.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.98	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.84	.80	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.72	.78	.75	.72	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.65	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.64	.60	.67	.63	.60	.59
9.0	.67	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.58	.54	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



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.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:#54MM	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	.184 .105 .033	.177 .101 .032	.165 .094 .030	.153 .088 .028	.142 .082 .027	
2.0	.175 .096 .029	.170 .093 .029	.159 .088 .027	.149 .084 .026	.140 .079 .025	
3.0	.166 .088 .026	.161 .086 .026	.152 .082 .025	.143 .079 .024	.135 .075 .023	
4.0	.157 .081 .024	.152 .080 .024	.145 .077 .023	.137 .074 .022	.130 .071 .022	
5.0	.148 .076 .022	.145 .074 .022	.138 .072 .021	.131 .069 .021	.125 .067 .020	
6.0	.141 .070 .020	.137 .069 .020	.131 .067 .020	.126 .065 .019	.121 .063 .019	
7.0	.134 .066 .019	.131 .065 .019	.126 .064 .018	.121 .062 .018	.116 .060 .018	
8.0	.127 .062 .018	.125 .062 .017	.120 .060 .017	.116 .059 .017	.112 .057 .017	
9.0	.122 .059 .016	.119 .058 .016	.115 .057 .016	.111 .056 .016	.107 .055 .016	
10.0	.116 .056 .015	.114 .055 .015	.111 .054 .015	.107 .053 .015	.104 .052 .015	

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	.100 .093 .086	.058 .054 .050	.019 .017 .016	
2.0	.157 .132 .112	.134 .114 .097	.092 .079 .068	.053 .046 .040	.017 .015 .013	
3.0	.144 .114 .089	.124 .098 .077	.085 .068 .054	.049 .040 .032	.016 .013 .010	
4.0	.134 .099 .072	.115 .085 .063	.079 .060 .044	.046 .035 .026	.015 .011 .009	
5.0	.125 .087 .059	.107 .076 .052	.074 .053 .036	.043 .031 .022	.014 .010 .007	
6.0	.118 .078 .050	.101 .068 .043	.070 .047 .031	.040 .028 .018	.013 .009 .006	
7.0	.111 .070 .042	.095 .061 .037	.066 .043 .026	.038 .025 .015	.012 .008 .005	
8.0	.105 .064 .036	.090 .056 .032	.062 .039 .022	.036 .023 .013	.012 .008 .004	
9.0	.100 .059 .031	.086 .051 .027	.059 .036 .019	.035 .021 .012	.011 .007 .004	
10.0	.095 .054 .028	.082 .047 .024	.057 .033 .017	.033 .020 .010	.011 .006 .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.:RAD35R-15-CCT					DIM. :			SERIAL No.:1			
MFR. :					SUR.:Φ54MM			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	22.1	23.1	22.4	23.3	23.4	22.4	23.3	22.6	23.5	23.7
	3H	22.5	23.4	22.8	23.6	23.8	22.7	23.6	23.0	23.8	24.0
	4H	22.8	23.6	23.1	23.8	24.1	22.9	23.8	23.2	24.0	24.2
	6H	22.8	23.6	23.1	23.9	24.1	23.0	23.8	23.3	24.1	24.3
	8H	22.8	23.6	23.1	23.8	24.1	23.0	23.8	23.3	24.0	24.3
	12H	22.8	23.5	23.1	23.8	24.0	23.0	23.7	23.3	24.0	24.2
4H	2H	22.1	22.9	22.4	23.2	23.4	22.3	23.2	22.6	23.4	23.6
	3H	22.7	23.4	23.0	23.7	24.0	22.9	23.6	23.2	23.9	24.1
	4H	23.1	23.8	23.5	24.1	24.4	23.2	23.9	23.6	24.2	24.5
	6H	23.2	23.8	23.6	24.1	24.5	23.4	24.0	23.8	24.3	24.7
	8H	23.2	23.7	23.6	24.1	24.4	23.4	23.9	23.8	24.3	24.6
	12H	23.1	23.6	23.5	24.0	24.4	23.3	23.8	23.7	24.2	24.6
8H	4H	23.2	23.7	23.6	24.1	24.4	23.3	23.8	23.7	24.2	24.6
	6H	23.3	23.8	23.7	24.2	24.6	23.5	23.9	23.9	24.3	24.8
	8H	23.3	23.7	23.7	24.1	24.5	23.5	23.9	23.9	24.3	24.7
	12H	23.2	23.6	23.7	24.0	24.5	23.5	23.8	23.9	24.2	24.7
12H	4H	23.2	23.6	23.6	24.0	24.4	23.3	23.8	23.7	24.1	24.5
	6H	23.3	23.7	23.7	24.1	24.5	23.5	23.9	23.9	24.3	24.7
	8H	23.3	23.6	23.7	24.0	24.5	23.5	23.8	23.9	24.2	24.7
Variations with the observer position at spacings:											
S = 1.0H		+ 2.2 / - 2.8					+ 2.3 / - 2.9				
1.5H		+ 4.4 / - 2.8					+ 4.5 / - 2.8				
2.0H		+ 0.3 / - 0.4					+ 0.4 / - 0.3				

CIE Pub.117, 1083 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.3$ )

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:

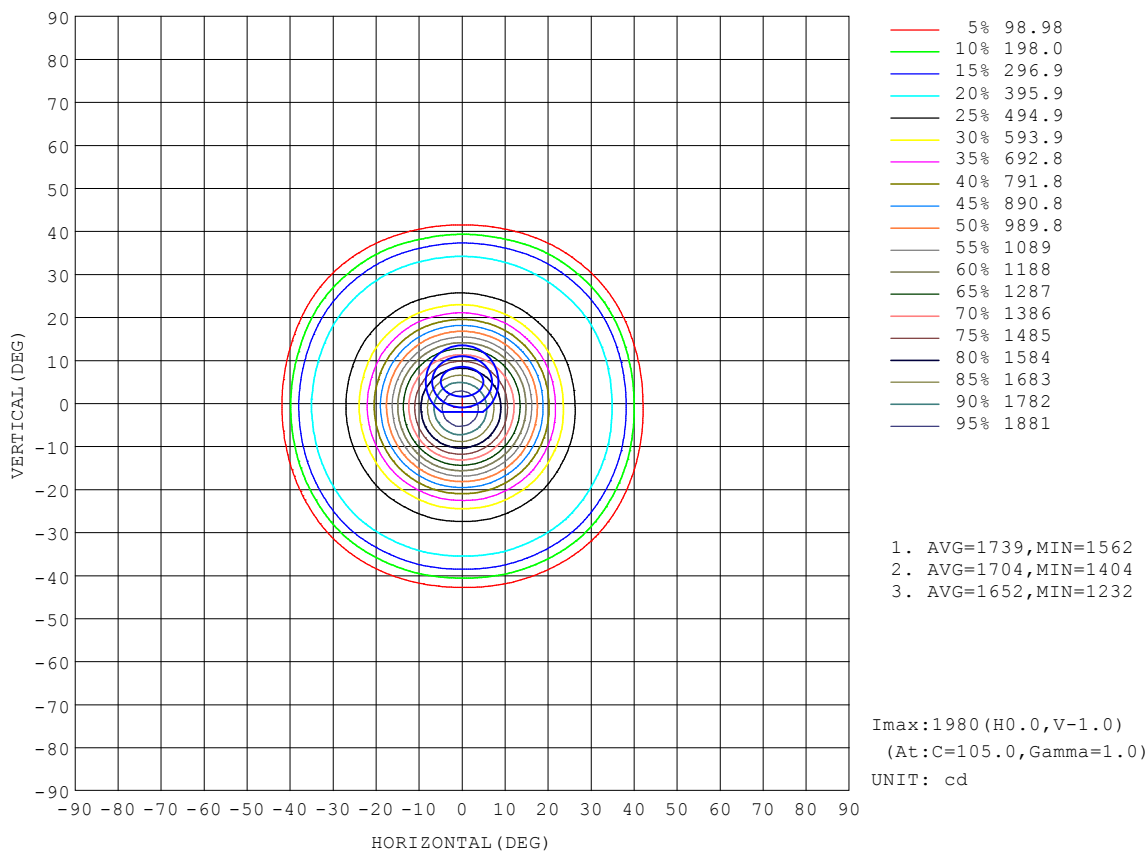
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

## ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:



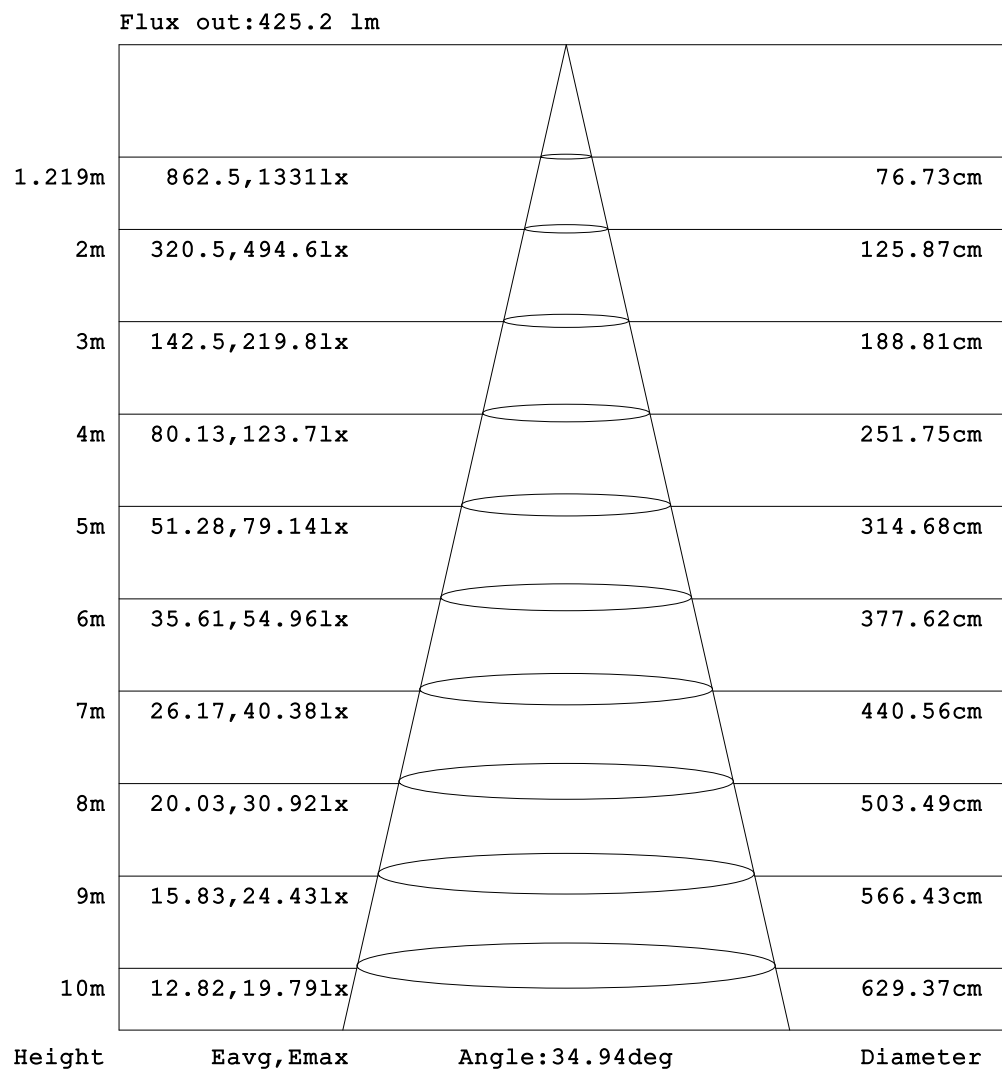
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:陈荷莲  
Test Date:2024-06-29

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.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:



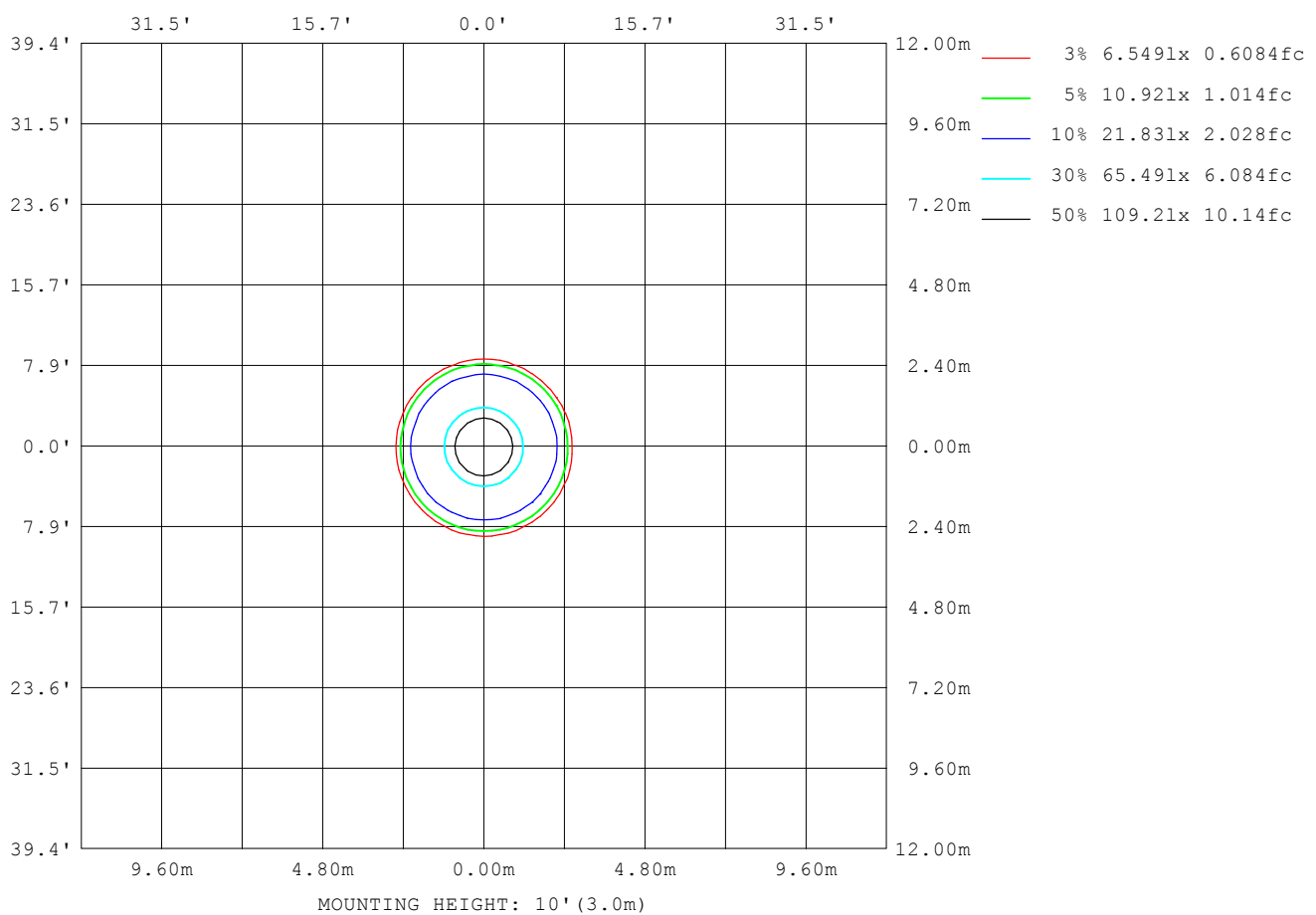
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	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.:RAD35R-15-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ54MM	Shielding Angle:

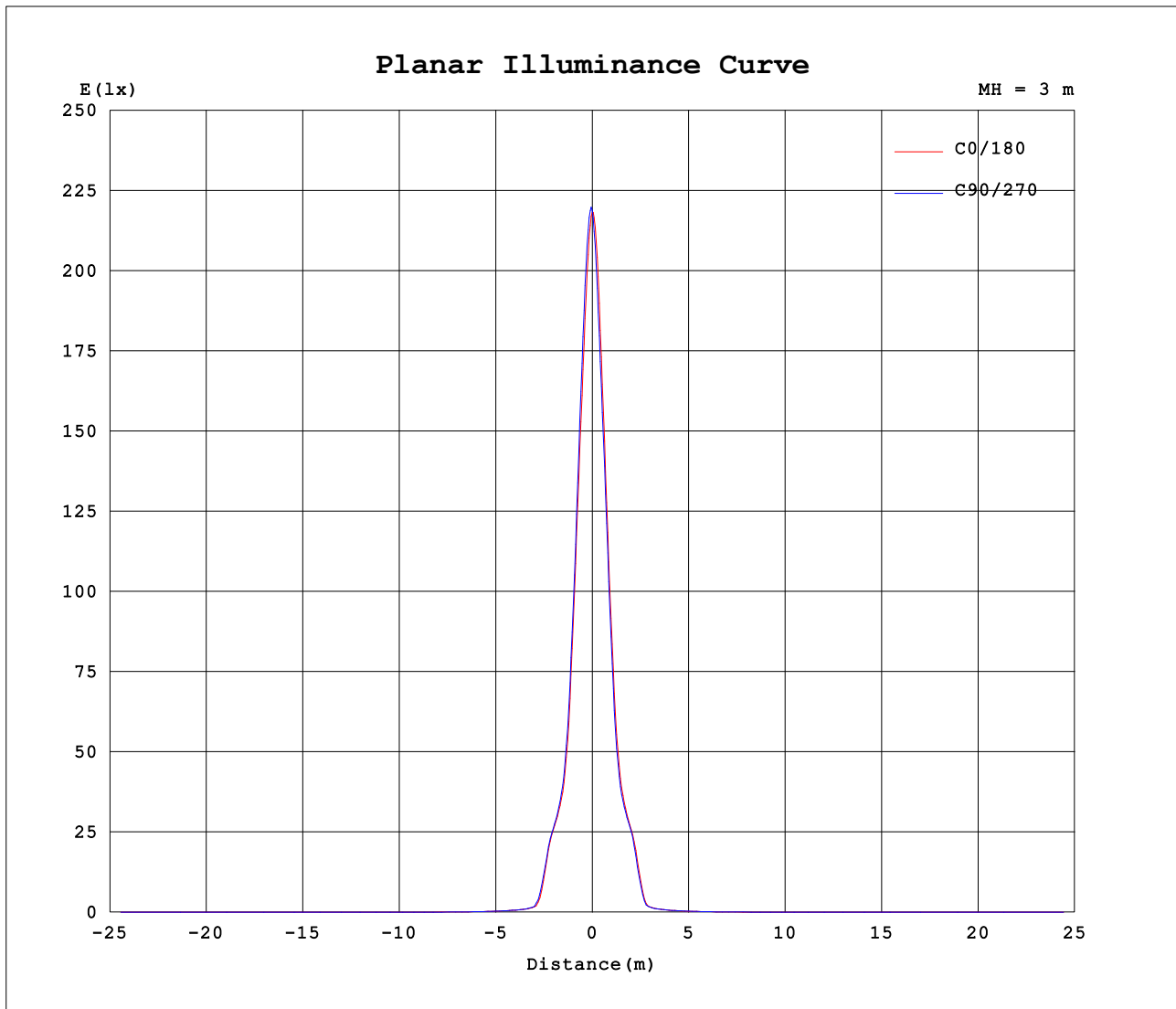
AvgL	cd/m2
L_0~180 (65) av	21147
L_0~180 (75) av	21573
L_0~180 (85) av	2950
L_90~270 (65) av	20962
L_90~270 (75) av	21148
L_90~270 (85) av	3152
L_45 (65) av	21100
L_45 (75) av	21360
L_45 (85) av	3062

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:

```