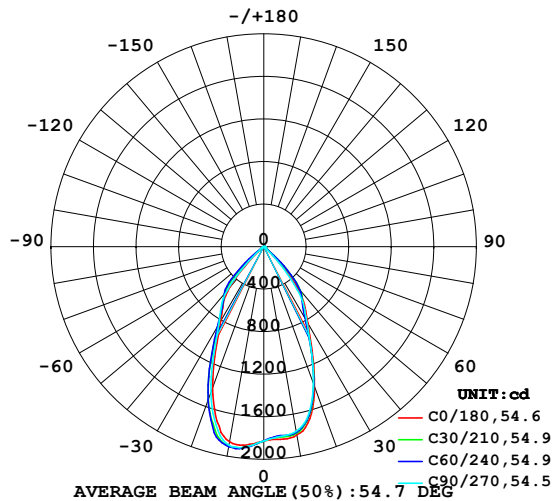


LUMINAIRE PHOTOMETRIC TEST REPORT

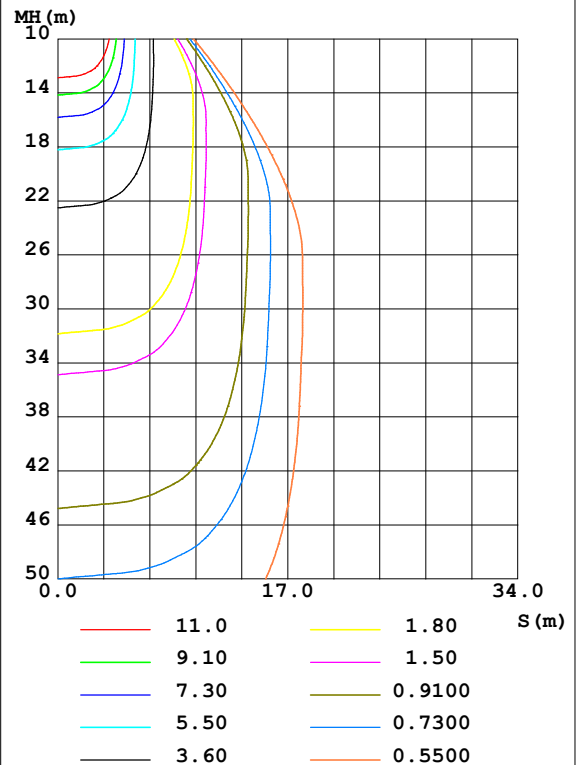
NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35S-23-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.03 lm/W			
MODEL		Imax(cd)	1918	S/MH(C0/180)	0.87
NOMINAL POWER(W)	23	LOR(%)	100.0	S/MH(C90/270)	0.89
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1852.2	η UP,DN(C0-180)	0.0,47.9
NOMINAL FLUX(lm)	1852.18	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.1
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:
Test Date:2024-06-04

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	1797	1781	1762	1809	1862	1909	1896	1861	0- 10	175.9	175.9	9.49,9.49
20	1398	1373	1366	1428	1408	1546	1456	1515	10- 20	471.5	647.3	34.9,34.9
30	832.1	780.3	810.4	801.8	814.6	873.8	853.5	859.4	20- 30	507.3	1155	62.3,62.3
40	451.2	552.1	400.8	553.1	496.0	573.9	532.8	571.9	30- 40	415.7	1570	84.8,84.8
50	40.78	162.0	36.89	177.0	48.87	234.5	50.29	224.7	40- 50	229.0	1799	97.1,97.1
60	19.71	14.14	18.58	14.26	20.58	16.06	21.01	15.59	50- 60	31.99	1831	98.9,98.9
70	9.583	7.581	9.004	7.571	9.709	7.731	10.44	7.872	60- 70	12.51	1844	99.6,99.6
80	4.518	3.546	4.343	3.570	4.647	4.070	4.826	4.034	70- 80	6.597	1850	99.9,99.9
90	0.0717	0.0826	0.0689	0.0854	0.1626	0.2092	0.1818	0.1983	80- 90	1.734	1852	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): 1724.7 lm

%lum = 93.1%

%lamp = 93.1%

Conical surface Flux(120deg): 1831.3 lm

%lum = 98.9%

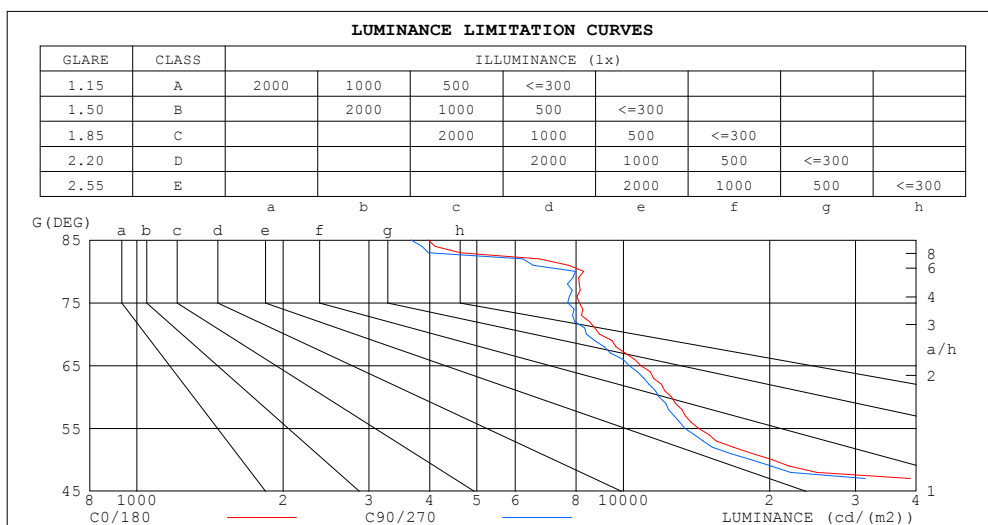
%lamp = 98.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-04

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-23-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3972	3660
80	8291	7973
75	8118	7692
70	8929	8392
65	10855	10266
60	12562	11847
55	14265	13369
50	20219	18295
45	72571	58780

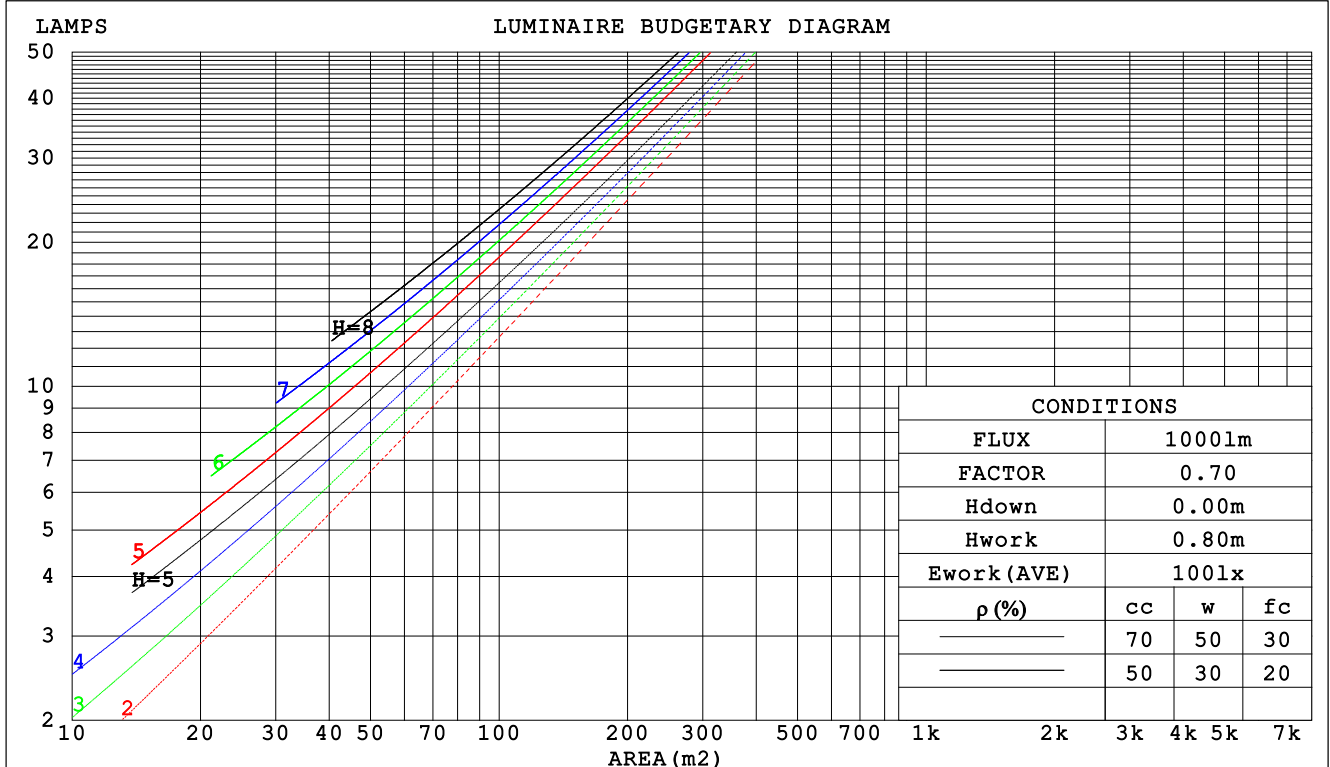
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-04

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-23-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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	.94	.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	.81	.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	.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:
Test Date:2024-06-04

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-23-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	.170 .097 .031	.158 .091 .029	.147 .085 .028	
2.0	.182 .100 .031	.176 .097 .030	.166 .092 .029	.156 .087 .027	.147 .083 .026	
3.0	.174 .093 .028	.169 .091 .027	.160 .087 .026	.151 .083 .025	.143 .079 .025	
4.0	.166 .086 .025	.162 .085 .025	.154 .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	.093 .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:
Test Date:2024-06-04

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-23-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	22.4	23.4	22.6	23.6	23.7	22.2	23.2	22.4	23.4	23.5
	3H	22.2	23.2	22.5	23.4	23.6	22.0	23.0	22.3	23.2	23.4
	4H	22.2	23.0	22.4	23.3	23.5	22.0	22.9	22.2	23.1	23.3
	6H	22.1	22.9	22.4	23.2	23.4	21.9	22.7	22.2	23.0	23.2
	8H	22.0	22.8	22.4	23.1	23.4	21.9	22.7	22.2	22.9	23.2
	12H	22.0	22.8	22.3	23.0	23.3	21.8	22.6	22.1	22.8	23.1
4H	2H	22.1	23.0	22.4	23.2	23.4	21.9	22.8	22.2	23.0	23.3
	3H	22.0	22.7	22.3	23.0	23.3	21.8	22.6	22.1	22.8	23.1
	4H	21.9	22.6	22.3	22.9	23.2	21.7	22.4	22.1	22.7	23.0
	6H	21.9	22.5	22.2	22.8	23.2	21.7	22.3	22.1	22.6	23.0
	8H	21.8	22.4	22.2	22.7	23.1	21.6	22.2	22.0	22.6	22.9
	12H	21.8	22.3	22.2	22.7	23.1	21.6	22.1	22.0	22.5	22.9
8H	4H	21.8	22.4	22.2	22.7	23.1	21.6	22.2	22.0	22.5	22.9
	6H	21.8	22.2	22.2	22.6	23.0	21.6	22.0	22.0	22.4	22.8
	8H	21.7	22.1	22.2	22.5	23.0	21.5	21.9	22.0	22.4	22.8
	12H	21.7	22.0	22.1	22.5	22.9	21.5	21.8	22.0	22.3	22.7
12H	4H	21.7	22.3	22.2	22.6	23.0	21.6	22.1	22.0	22.4	22.8
	6H	21.7	22.1	22.2	22.5	23.0	21.5	21.9	22.0	22.3	22.8
	8H	21.7	22.0	22.1	22.5	22.9	21.5	21.8	22.0	22.3	22.7
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 9.7					+ 2.9 / - 9.8					
1.5H	+ 3.9 / - 9.6					+ 3.8 / - 9.5					
2.0H	+ 5.5 / - 4.0					+ 5.1 / - 4.2					

CIE Pub.117, 1852 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-06-04

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:

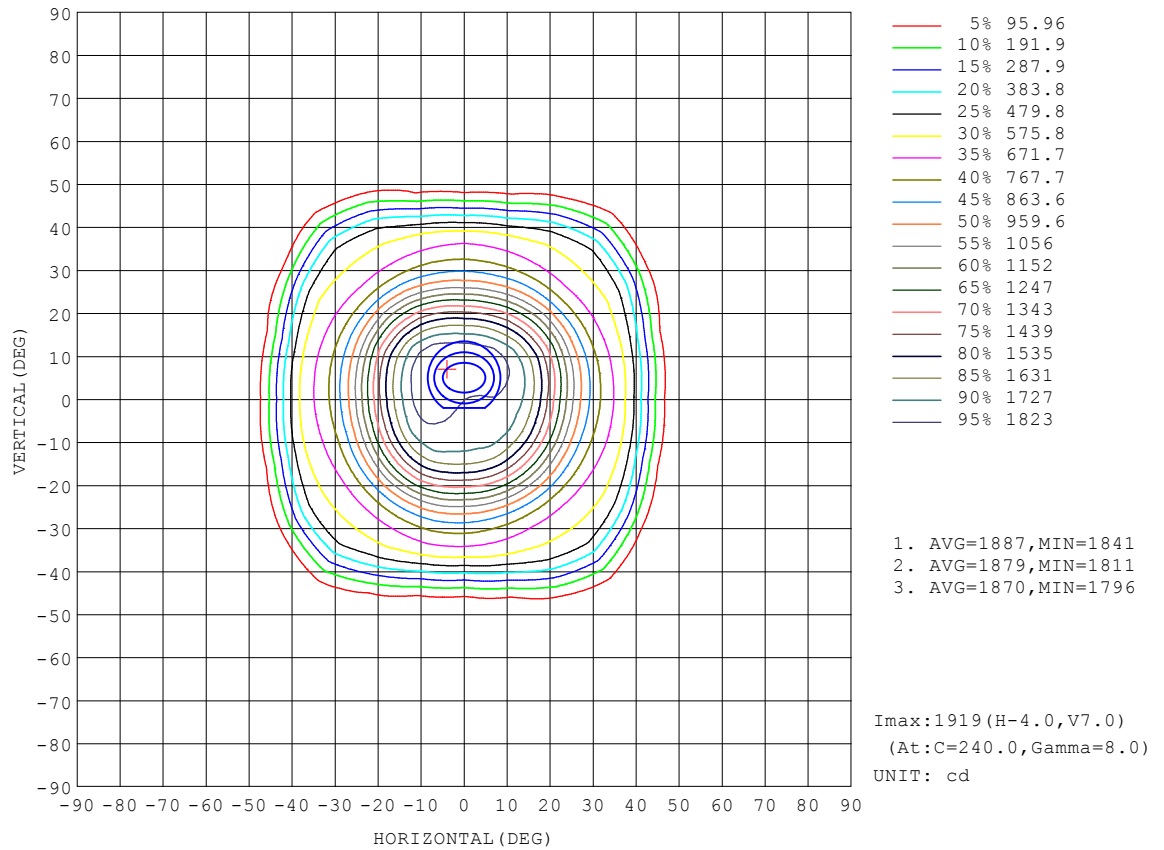
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME:	TYPE:CRI90 3500K	WEIGHT:
SPEC.:RAD35S-23-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

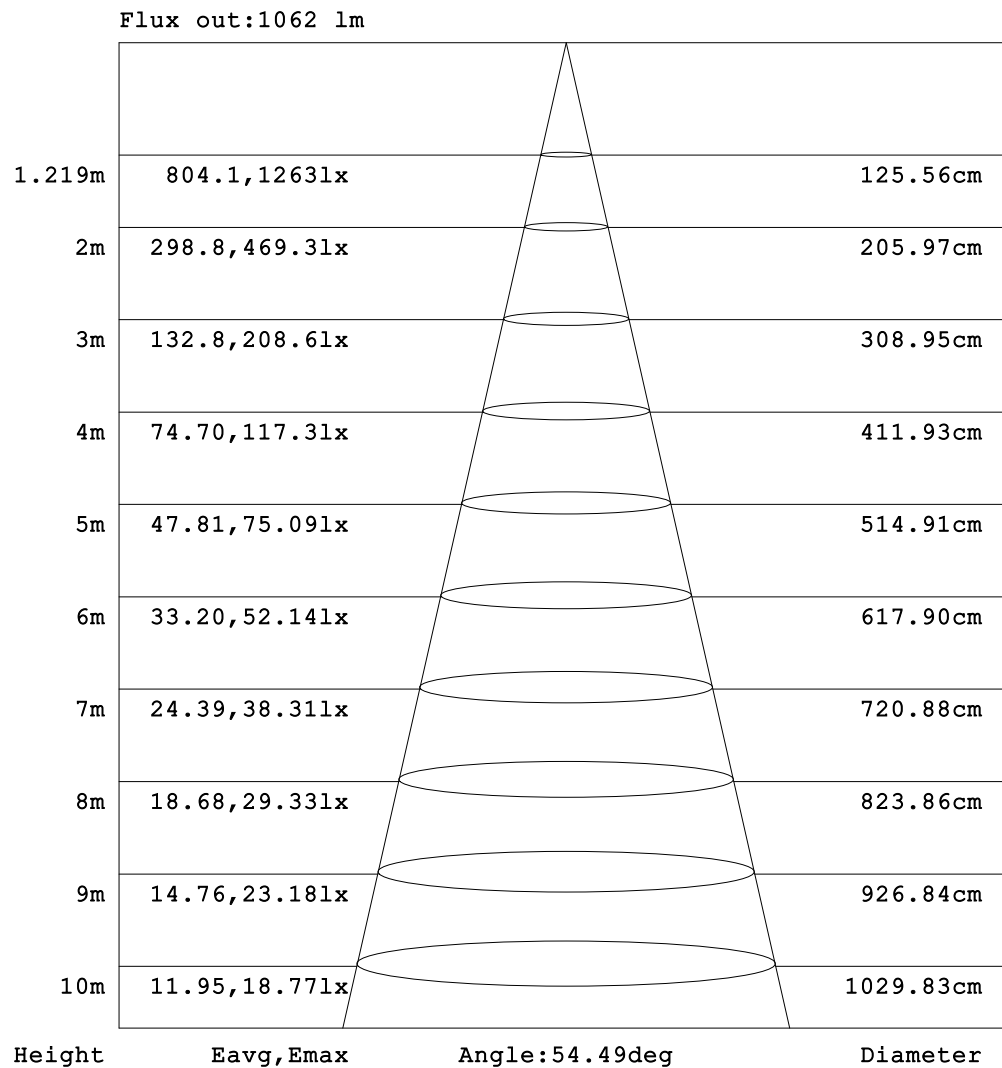


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-04

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-23-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:



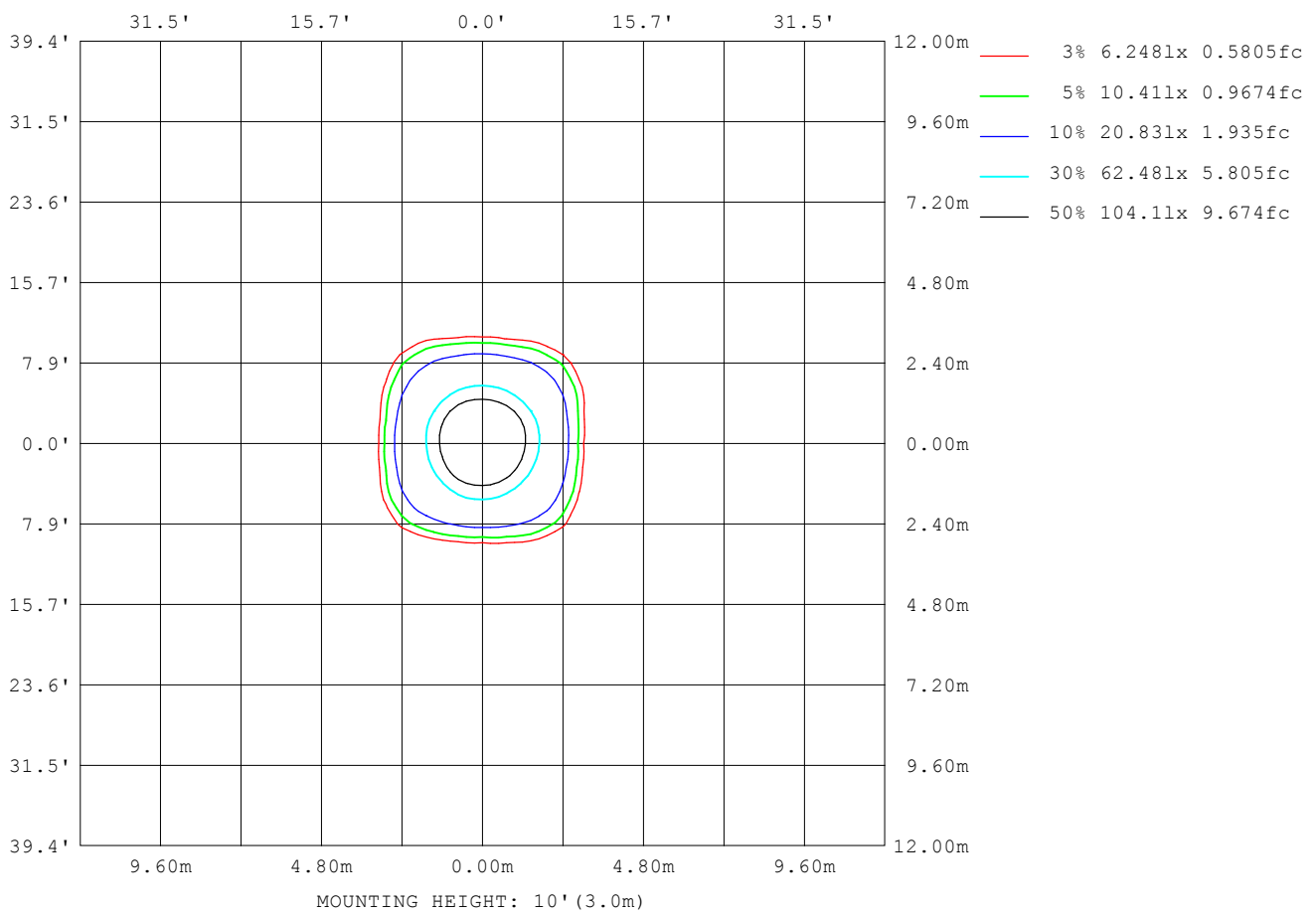
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-04

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-23-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:
 Test Date:2024-06-04

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-23-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:56*56MM	Shielding Angle:

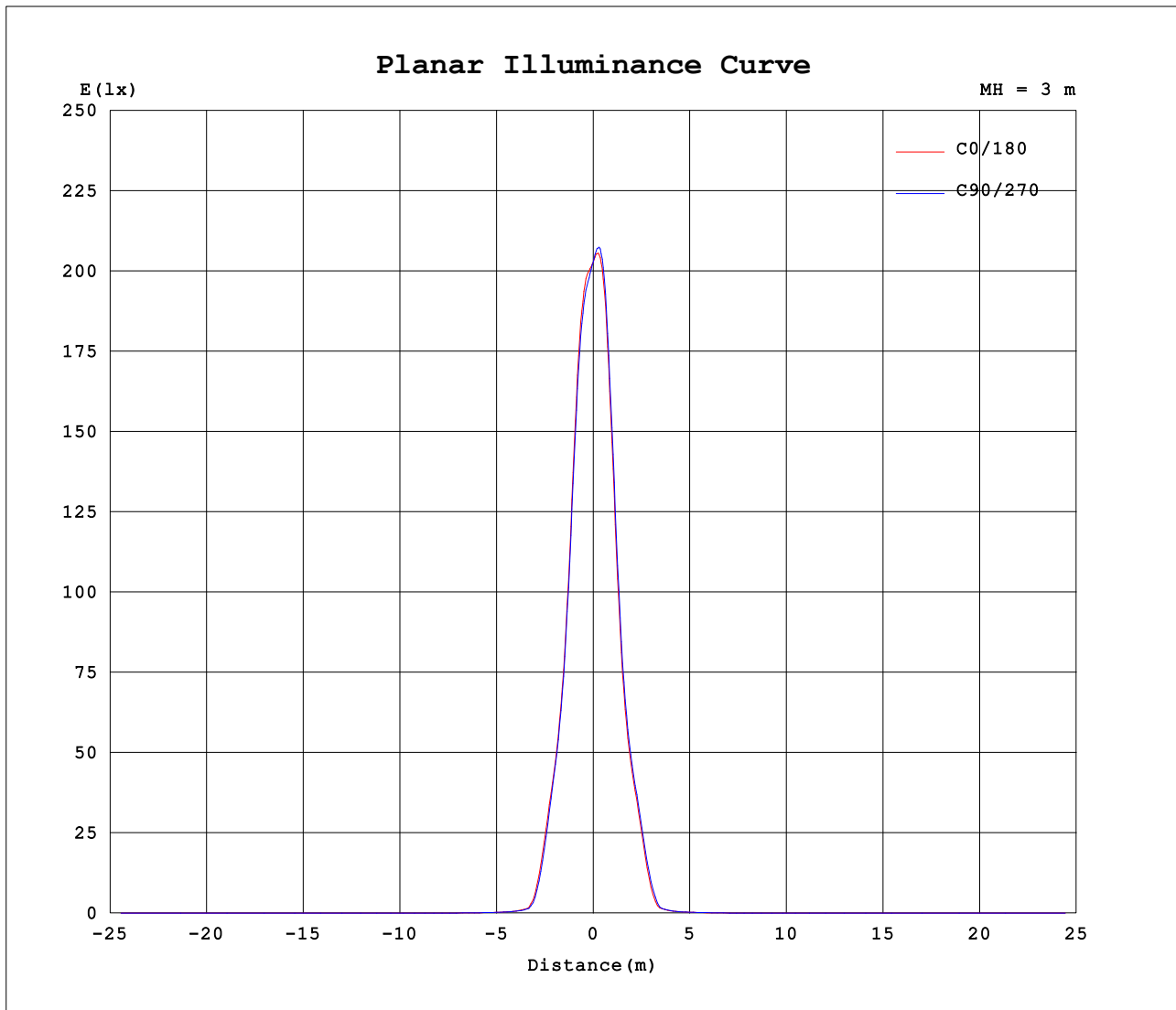
AvgL	cd/m2
L_0~180 (65) av	11011
L_0~180 (75) av	8178
L_0~180 (85) av	4130
L_90~270 (65) av	11082
L_90~270 (75) av	8164
L_90~270 (85) av	4048
L_45 (65) av	7790
L_45 (75) av	7351
L_45 (85) av	4079

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-04

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: 2024-06-04

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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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:

```