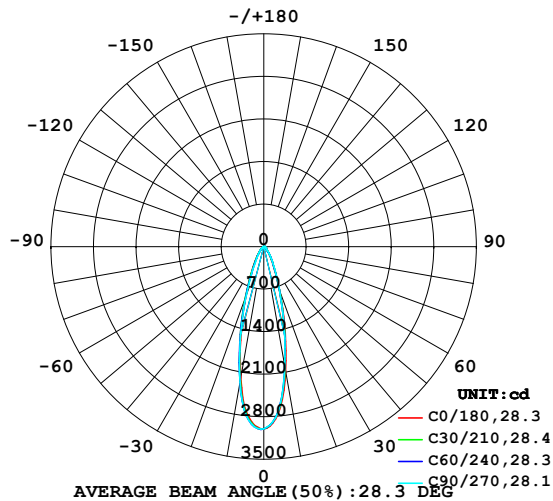


LUMINAIRE PHOTOMETRIC TEST REPORT

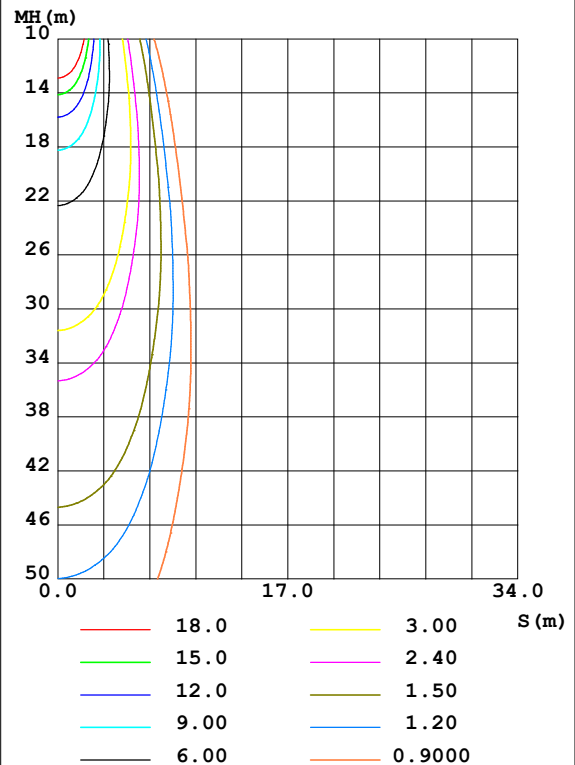
NAME:	TYPE:CRI90 4000K	WEIGHT:
SPEC.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.85 lm/W			
MODEL		I _{max} (cd)	3007	S/MH (C0/180)	0.49
NOMINAL POWER(W)	14	LOR(%)	100.0	S/MH (C90/270)	0.49
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1062.5	η UP,DN (C0-180)	0.0,48.8
NOMINAL FLUX(lm)	1062.53	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.50

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: 2024-10-11

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	2073	2027	1995	2073	2196	2235	2267	2175	0- 10	245.2	245.2	23.1,23.1
20	760.9	763.6	759.3	794.2	864.8	864.3	844.6	783.5	10- 20	379.1	624.3	58.8,58.8
30	267.5	282.1	284.2	289.5	302.8	284.4	262.6	253.3	20- 30	218.1	842.4	79.3,79.3
40	109.7	114.7	116.8	119.7	125.0	117.2	109.8	107.0	30- 40	114.0	956.4	90,90
50	42.63	42.55	42.78	45.23	48.70	48.37	46.77	44.18	40- 50	57.14	1014	95.4,95.4
60	19.15	18.15	17.87	19.36	20.94	21.90	22.03	20.57	50- 60	27.06	1041	97.9,97.9
70	8.190	7.886	7.821	8.272	9.107	9.548	9.550	8.870	60- 70	13.25	1054	99.2,99.2
80	3.647	3.375	3.351	3.667	4.257	4.592	4.637	4.200	70- 80	6.674	1061	99.8,99.8
90	0.0579	0.0551	0.0578	0.0551	0.1434	0.2177	0.1762	0.1349	80- 90	1.965	1063	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): 990.41 lm

%lum = 93.2%

%lamp = 93.2%

Conical surface Flux(120deg): 1040.6 lm

%lum = 97.9%

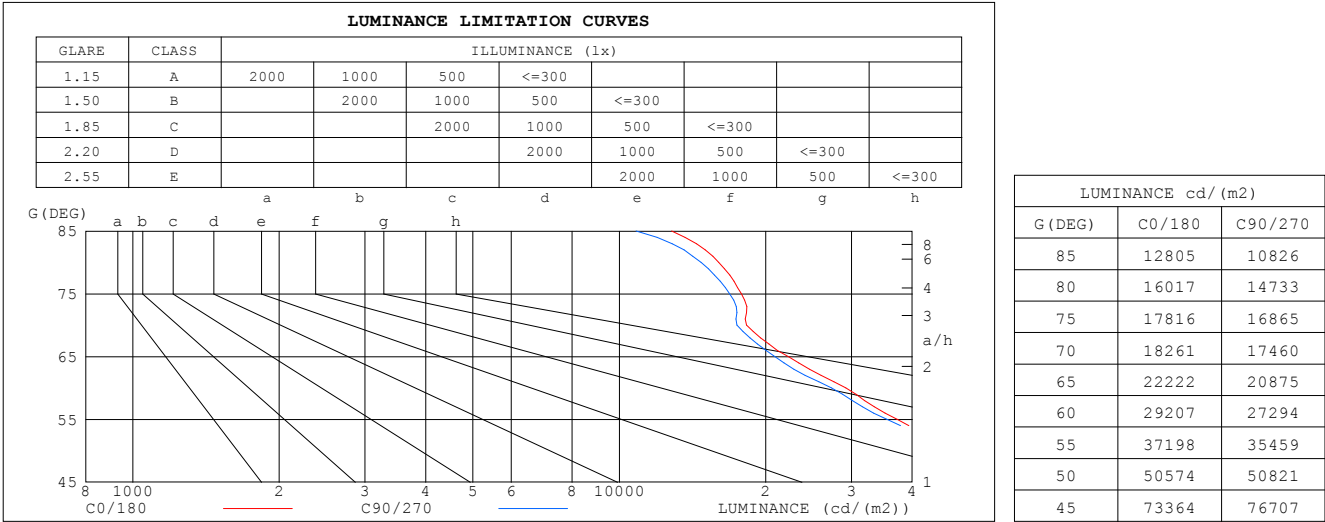
%lamp = 97.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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 4000K	WEIGHT:
SPEC.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:



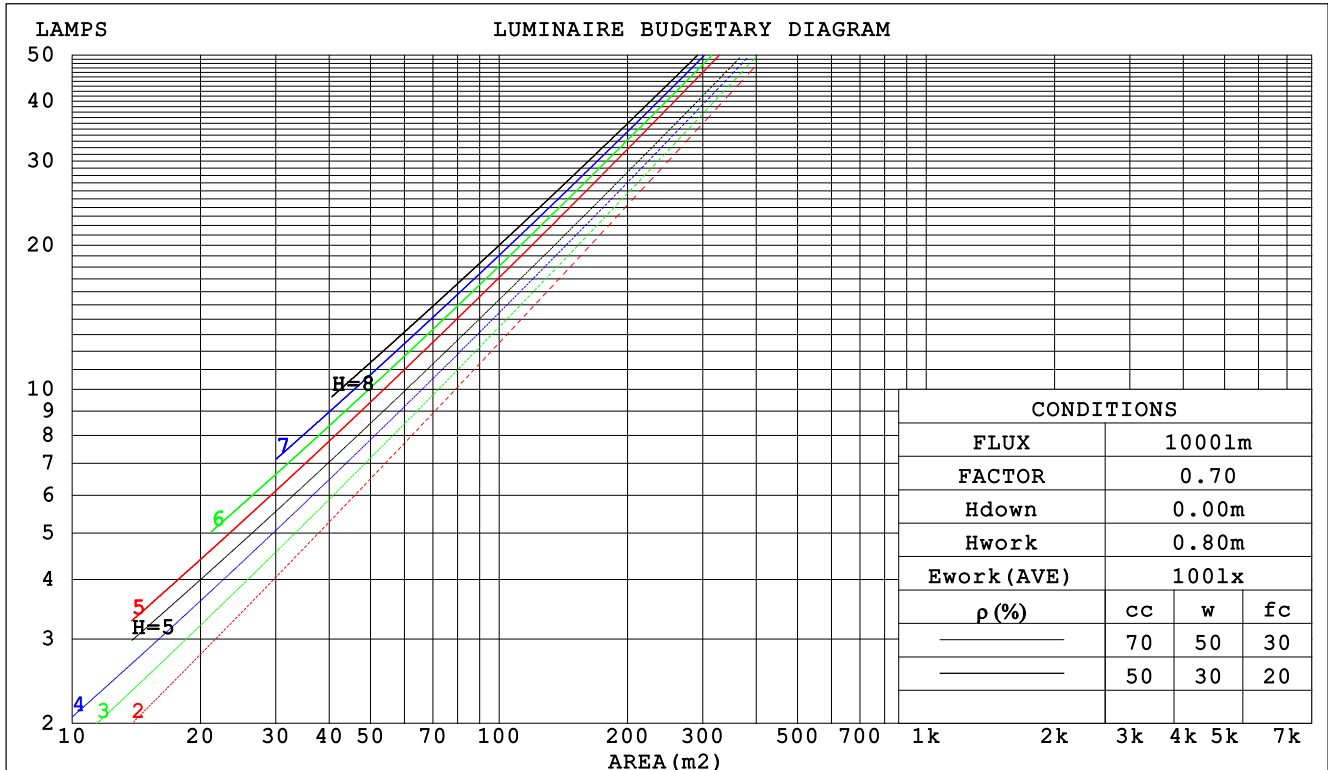
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	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	.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.01	.97	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.90	.87	.85	.84
4.0	.93	.88	.84	.92	.87	.83	.90	.86	.82	.88	.84	.82	.86	.83	.81	.79
5.0	.88	.83	.79	.87	.82	.79	.85	.81	.78	.84	.80	.77	.82	.79	.77	.75
6.0	.84	.78	.75	.83	.78	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.72
7.0	.80	.75	.71	.79	.74	.71	.78	.74	.70	.77	.73	.70	.76	.72	.70	.68
8.0	.76	.71	.68	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.65
9.0	.73	.68	.65	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.67	.64	.63
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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 4000K	WEIGHT:
SPEC.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	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	.168 .096 .030	.162 .092 .029	.149 .086 .027	.138 .079 .025	.127 .074 .024	
2.0	.159 .087 .027	.153 .084 .026	.143 .079 .025	.133 .075 .023	.124 .070 .022	
3.0	.149 .080 .024	.145 .078 .023	.136 .074 .022	.128 .070 .021	.120 .066 .021	
4.0	.141 .073 .022	.137 .072 .021	.129 .068 .020	.122 .066 .020	.115 .063 .019	
5.0	.133 .068 .020	.129 .066 .019	.123 .064 .019	.117 .062 .018	.111 .059 .018	
6.0	.126 .063 .018	.123 .062 .018	.117 .060 .017	.112 .058 .017	.107 .056 .017	
7.0	.120 .059 .017	.117 .058 .017	.112 .057 .016	.107 .055 .016	.103 .053 .016	
8.0	.114 .056 .016	.111 .055 .016	.107 .053 .015	.103 .052 .015	.099 .051 .015	
9.0	.109 .052 .015	.106 .052 .015	.102 .051 .014	.099 .049 .014	.095 .048 .014	
10.0	.104 .050 .014	.102 .049 .014	.098 .048 .014	.095 .047 .013	.092 .046 .013	

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	.171 .157 .146	.146 .135 .125	.100 .093 .087	.057 .054 .050	.018 .017 .016	
2.0	.155 .133 .114	.132 .114 .099	.091 .079 .069	.052 .046 .040	.017 .015 .013	
3.0	.141 .113 .091	.121 .098 .079	.083 .068 .056	.048 .040 .033	.015 .013 .011	
4.0	.130 .099 .074	.112 .085 .065	.077 .059 .046	.044 .035 .027	.014 .011 .009	
5.0	.121 .087 .062	.104 .075 .054	.071 .052 .038	.041 .031 .022	.013 .010 .007	
6.0	.113 .077 .052	.097 .067 .045	.067 .047 .032	.039 .028 .019	.012 .009 .006	
7.0	.105 .069 .044	.091 .060 .038	.063 .042 .027	.036 .025 .016	.012 .008 .005	
8.0	.099 .063 .038	.085 .055 .033	.059 .038 .023	.034 .023 .014	.011 .007 .005	
9.0	.094 .057 .033	.081 .050 .029	.056 .035 .020	.033 .021 .012	.011 .007 .004	
10.0	.089 .053 .029	.077 .046 .025	.053 .032 .018	.031 .019 .011	.010 .006 .004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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.:RAD25R-14-CCT	DIM.:					SERIAL No.:1				
MFR.:	SUR.:Φ41MM					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	21.2	22.1	21.4	22.2	22.4	21.2	22.1	21.5	22.3	22.4
3H	21.4	22.2	21.7	22.4	22.6	21.4	22.2	21.7	22.4	22.6
4H	21.5	22.2	21.8	22.5	22.7	21.5	22.2	21.8	22.4	22.7
6H	21.6	22.3	21.9	22.5	22.7	21.5	22.2	21.8	22.5	22.7
8H	21.6	22.3	21.9	22.5	22.8	21.5	22.2	21.8	22.5	22.7
12H	21.6	22.2	21.9	22.5	22.8	21.5	22.2	21.8	22.4	22.7
4H 2H	21.2	21.9	21.5	22.2	22.4	21.2	22.0	21.5	22.2	22.4
3H	21.5	22.1	21.8	22.4	22.7	21.5	22.1	21.8	22.4	22.7
4H	21.6	22.2	22.0	22.5	22.8	21.6	22.2	22.0	22.5	22.8
6H	21.8	22.3	22.2	22.6	23.0	21.7	22.3	22.1	22.6	22.9
8H	21.8	22.3	22.2	22.7	23.0	21.8	22.3	22.2	22.6	23.0
12H	21.8	22.3	22.2	22.7	23.0	21.8	22.2	22.2	22.6	23.0
8H 4H	21.6	22.1	22.0	22.5	22.8	21.6	22.1	22.0	22.4	22.8
6H	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.2	22.6	23.0
8H	21.9	22.3	22.4	22.7	23.1	21.8	22.2	22.3	22.6	23.1
12H	22.0	22.3	22.4	22.7	23.2	21.9	22.2	22.3	22.6	23.1
12H 4H	21.6	22.0	22.0	22.4	22.8	21.6	22.0	22.0	22.4	22.8
6H	21.8	22.2	22.3	22.6	23.0	21.8	22.1	22.2	22.5	23.0
8H	21.9	22.2	22.4	22.7	23.1	21.8	22.1	22.3	22.6	23.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 2.0					+ 1.5 / - 2.2				
1.5H	+ 2.2 / - 1.7					+ 2.5 / - 1.9				
2.0H	+ 2.4 / - 1.7					+ 2.7 / - 1.8				

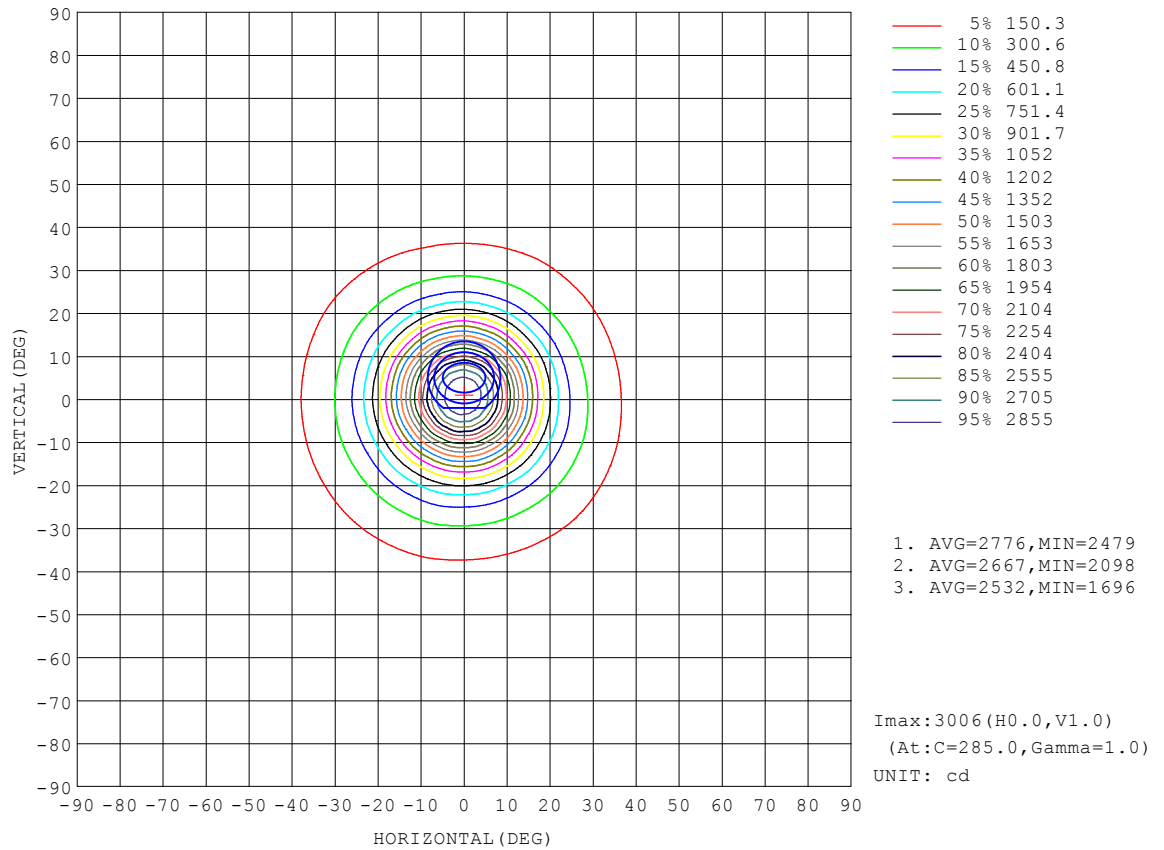
CIE Pub.117, 1063 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.2$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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 4000K	WEIGHT:
SPEC.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:

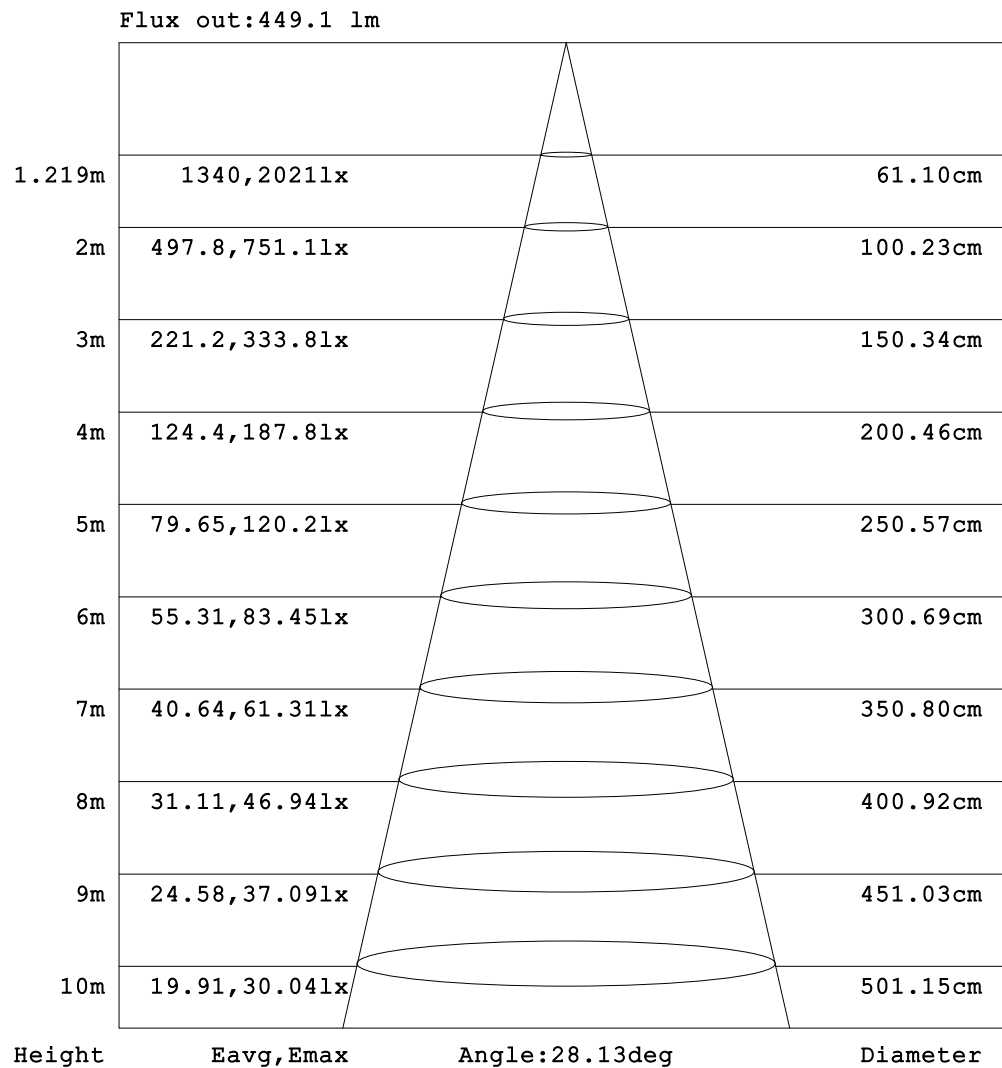


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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 4000K	WEIGHT:
SPEC.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:



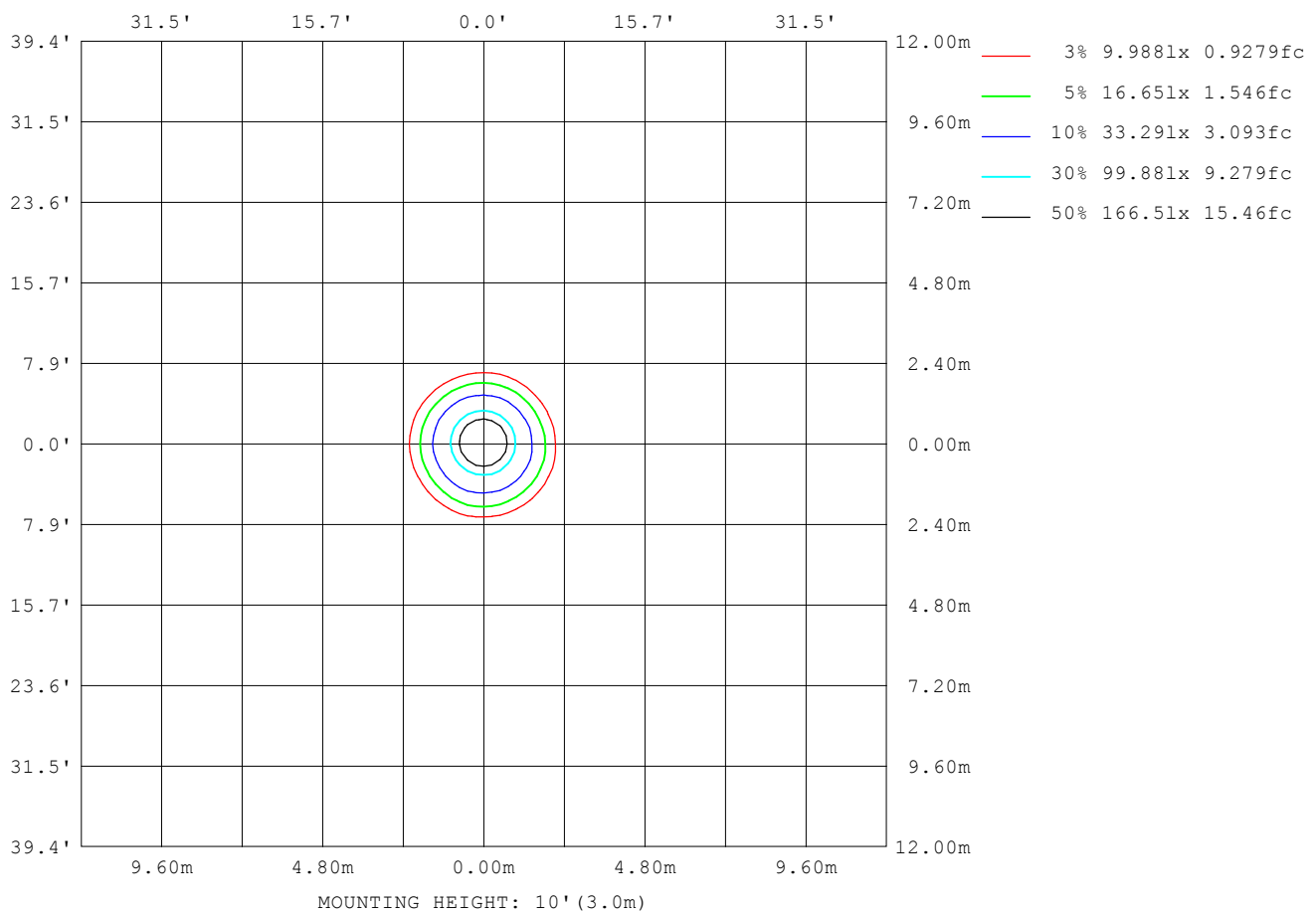
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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.:RAD25R-14-CCT	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ41MM	Shielding Angle:

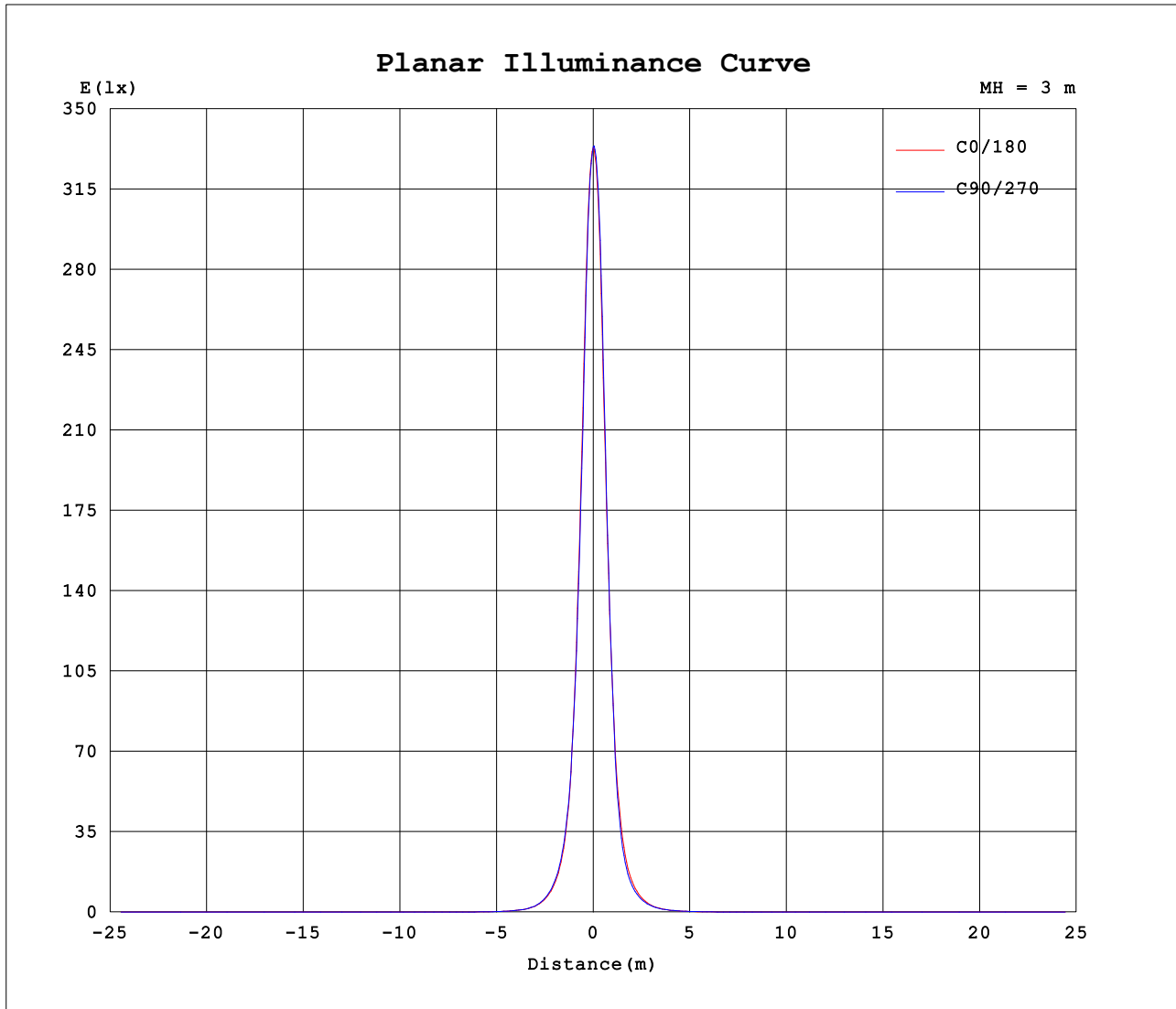
AvgL	cd/m2
L_0~180 (65) av	23282
L_0~180 (75) av	18813
L_0~180 (85) av	15079
L_90~270 (65) av	23446
L_90~270 (75) av	18933
L_90~270 (85) av	15505
L_45 (65) av	23309
L_45 (75) av	18853
L_45 (85) av	15170

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-11

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: 2024-10-11

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:

