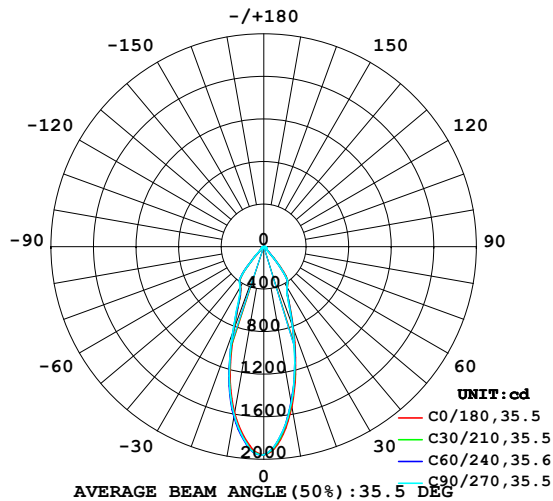


LUMINAIRE PHOTOMETRIC TEST REPORT

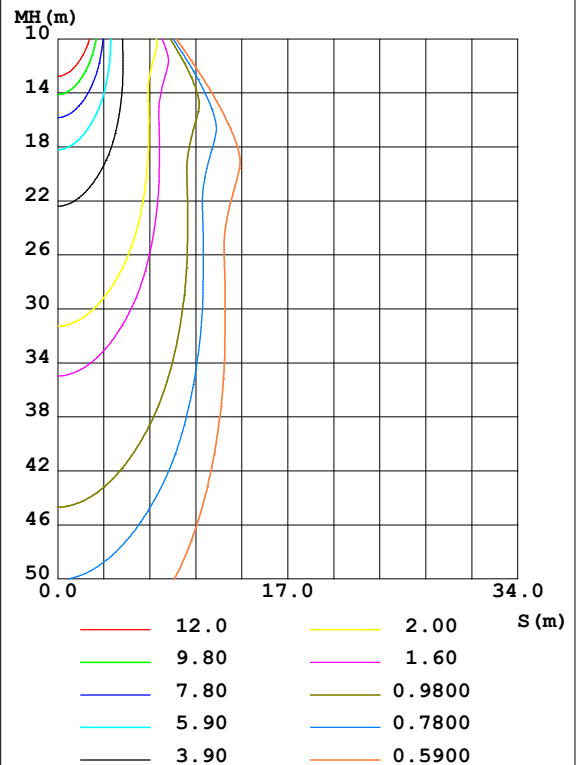
NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 74.96 lm/W
MODEL		I _{max} (cd)	1959	S/MH (C0/180)		0.59
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)		0.60
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1092.3	η UP, DN (C0-180)		0.0, 48.7
NOMINAL FLUX (lm)	1092.25	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0, 51.3
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:
Test Date: 2025-06-06

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	1526	1488	1491	1528	1589	1624	1610	1572	0- 10	165.6	165.6	15.2,15.2
20	814.0	802.6	787.9	788.9	811.9	837.6	858.9	846.9	10- 20	326.2	491.8	45,45
30	443.7	442.8	439.2	439.2	440.0	442.2	450.0	450.9	20- 30	262.3	754.1	69,69
40	199.3	183.8	176.5	196.8	221.3	234.2	241.9	219.7	30- 40	229.1	983.2	90,90
50	31.04	30.84	30.85	30.98	30.49	30.39	31.07	31.54	40- 50	53.41	1037	94.9,94.9
60	22.41	22.47	22.44	22.58	22.45	22.24	22.50	22.62	50- 60	23.62	1060	97.1,97.1
70	16.23	16.33	16.22	16.31	16.34	16.17	16.24	16.27	60- 70	19.06	1079	98.8,98.8
80	3.820	3.470	3.192	3.518	4.104	4.493	4.731	4.336	70- 80	11.78	1091	99.9,99.9
90	0.1268	0.1268	0.1298	0.1269	0.2017	0.2017	0.2048	0.1990	80- 90	1.168	1092	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): 1022 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 1060.2 lm

%lum = 97.1%

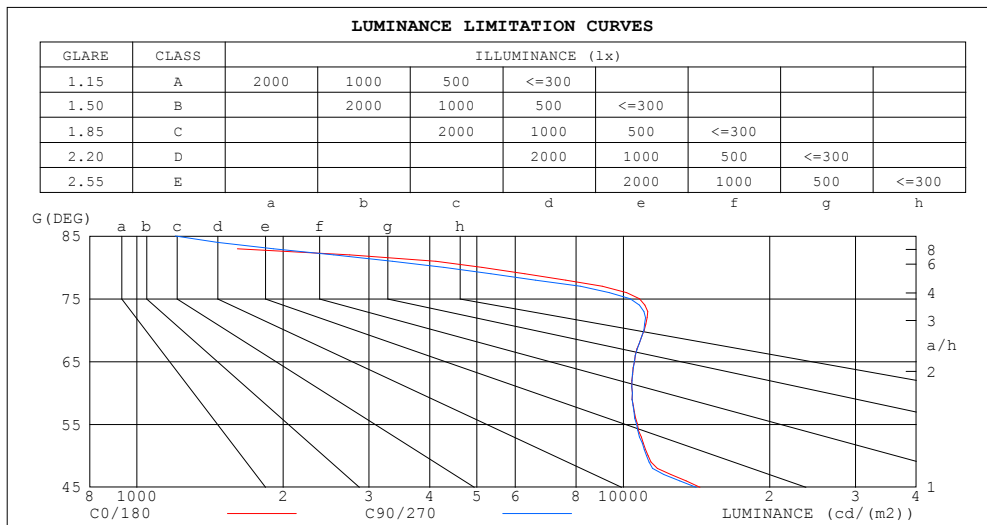
%lamp = 97.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	520	1200
80	5122	4274
75	10794	10330
70	11047	11029
65	10547	10541
60	10436	10436
55	10690	10655
50	11243	11160
45	14383	14115

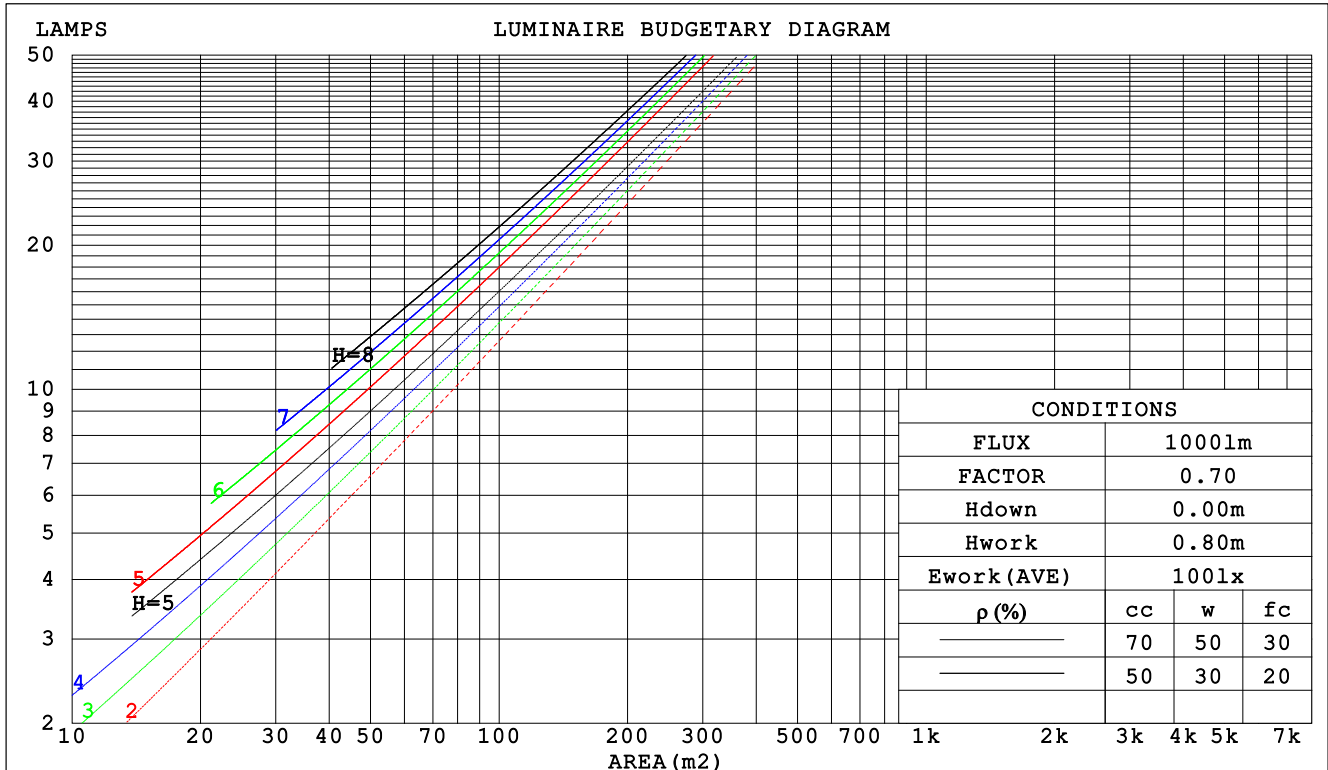
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	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	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.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	.77	.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	.69	.65	.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	.58	.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:
Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:#74MM	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	.183	.104	.033	.177	.101	.032	.164	.094	.030	.152	.088	.028	.142	.082	.026		
2.0	.175	.096	.029	.169	.093	.029	.158	.088	.027	.149	.083	.026	.140	.079	.025		
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.143	.078	.024	.135	.075	.023		
4.0	.156	.081	.024	.152	.080	.024	.144	.077	.023	.137	.074	.022	.130	.071	.022		
5.0	.148	.075	.022	.144	.074	.022	.138	.072	.021	.131	.069	.021	.125	.067	.020		
6.0	.140	.070	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.120	.063	.019		
7.0	.134	.066	.019	.131	.065	.019	.126	.063	.018	.121	.062	.018	.116	.060	.018		
8.0	.127	.062	.017	.125	.061	.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	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.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:
Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT					TYPE:3000K CRI90					WEIGHT:				
SPEC.:36D					DIM.:					SERIAL No.:1				
MFR.:					SUR.:#74MM					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					19.5	20.5	19.8	20.7	20.8	19.4	20.4	19.6	20.5	20.7
3H					19.9	20.8	20.1	21.0	21.2	19.8	20.6	20.0	20.8	21.1
4H					20.1	21.0	20.4	21.2	21.4	20.0	20.8	20.3	21.1	21.3
6H					20.2	21.0	20.5	21.2	21.4	20.0	20.8	20.3	21.1	21.3
8H					20.1	20.9	20.5	21.1	21.4	20.0	20.7	20.3	21.0	21.3
12H					20.1	20.8	20.4	21.1	21.4	19.9	20.7	20.3	20.9	21.2
4H 2H					19.5	20.3	19.8	20.6	20.8	19.4	20.2	19.7	20.4	20.7
3H					20.1	20.8	20.4	21.0	21.3	20.0	20.7	20.3	20.9	21.2
4H					20.4	21.1	20.8	21.4	21.7	20.3	20.9	20.6	21.2	21.6
6H					20.5	21.1	20.9	21.4	21.8	20.4	20.9	20.7	21.3	21.6
8H					20.5	21.0	20.9	21.4	21.7	20.3	20.9	20.7	21.2	21.6
12H					20.4	20.9	20.8	21.3	21.7	20.3	20.8	20.7	21.1	21.5
8H 4H					20.5	21.0	20.8	21.3	21.7	20.3	20.9	20.7	21.2	21.6
6H					20.6	21.0	21.0	21.4	21.8	20.4	20.9	20.9	21.3	21.7
8H					20.5	20.9	21.0	21.4	21.8	20.4	20.8	20.8	21.2	21.6
12H					20.5	20.8	21.0	21.3	21.7	20.3	20.7	20.8	21.1	21.6
12H 4H					20.4	20.9	20.8	21.3	21.7	20.3	20.8	20.7	21.2	21.6
6H					20.5	20.9	21.0	21.3	21.8	20.4	20.8	20.8	21.2	21.6
8H					20.5	20.8	21.0	21.3	21.7	20.4	20.7	20.8	21.1	21.6
Variations with the observer position at spacings:														
S = 1.0H					+ 2.6 / - 2.9					+ 2.5 / - 2.7				
1.5H					+ 4.9 / - 2.8					+ 4.8 / - 2.7				
2.0H					+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 1092 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:

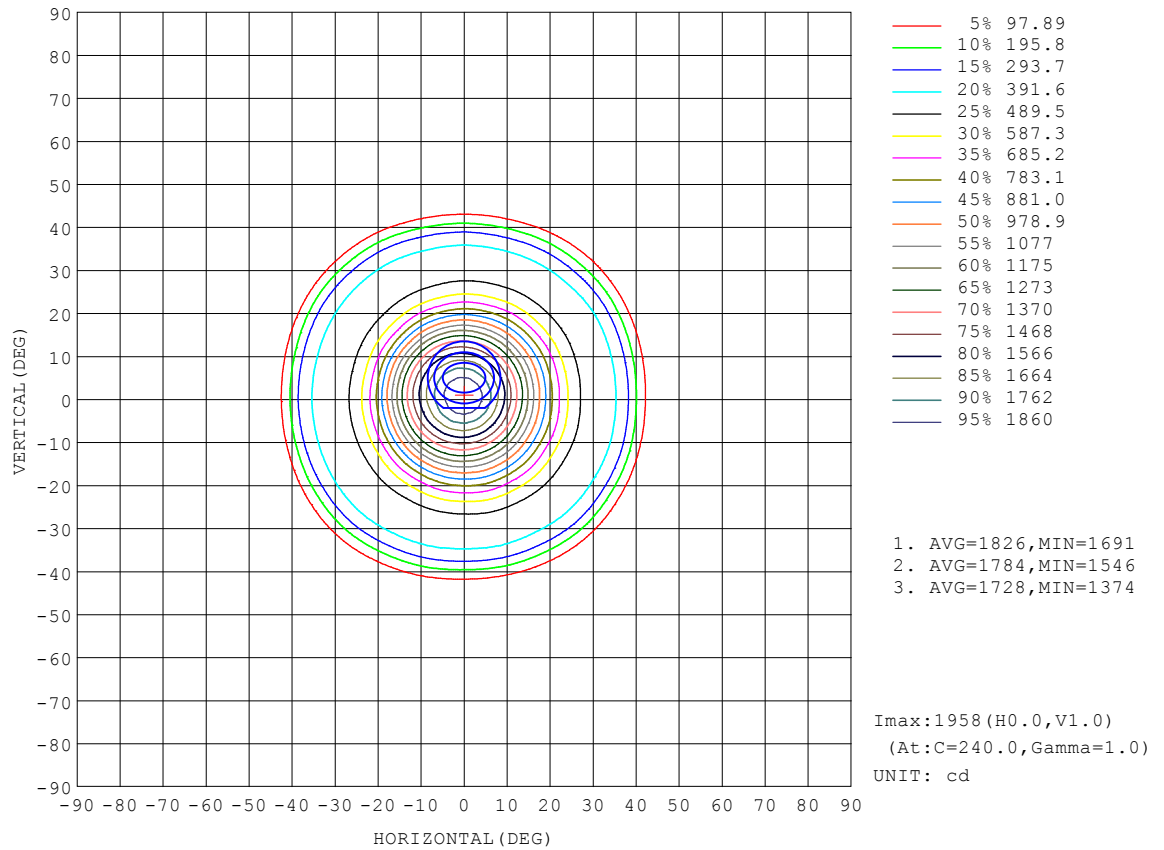
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

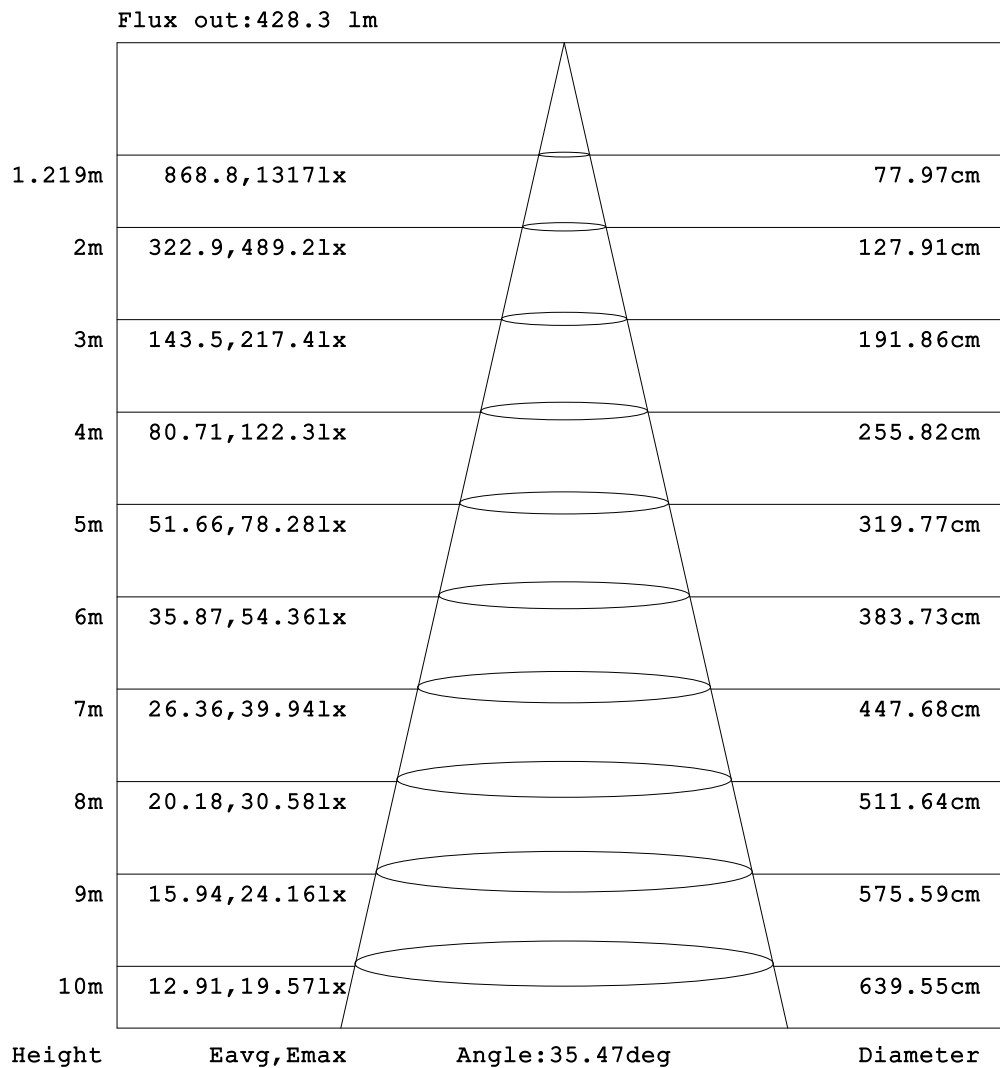


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



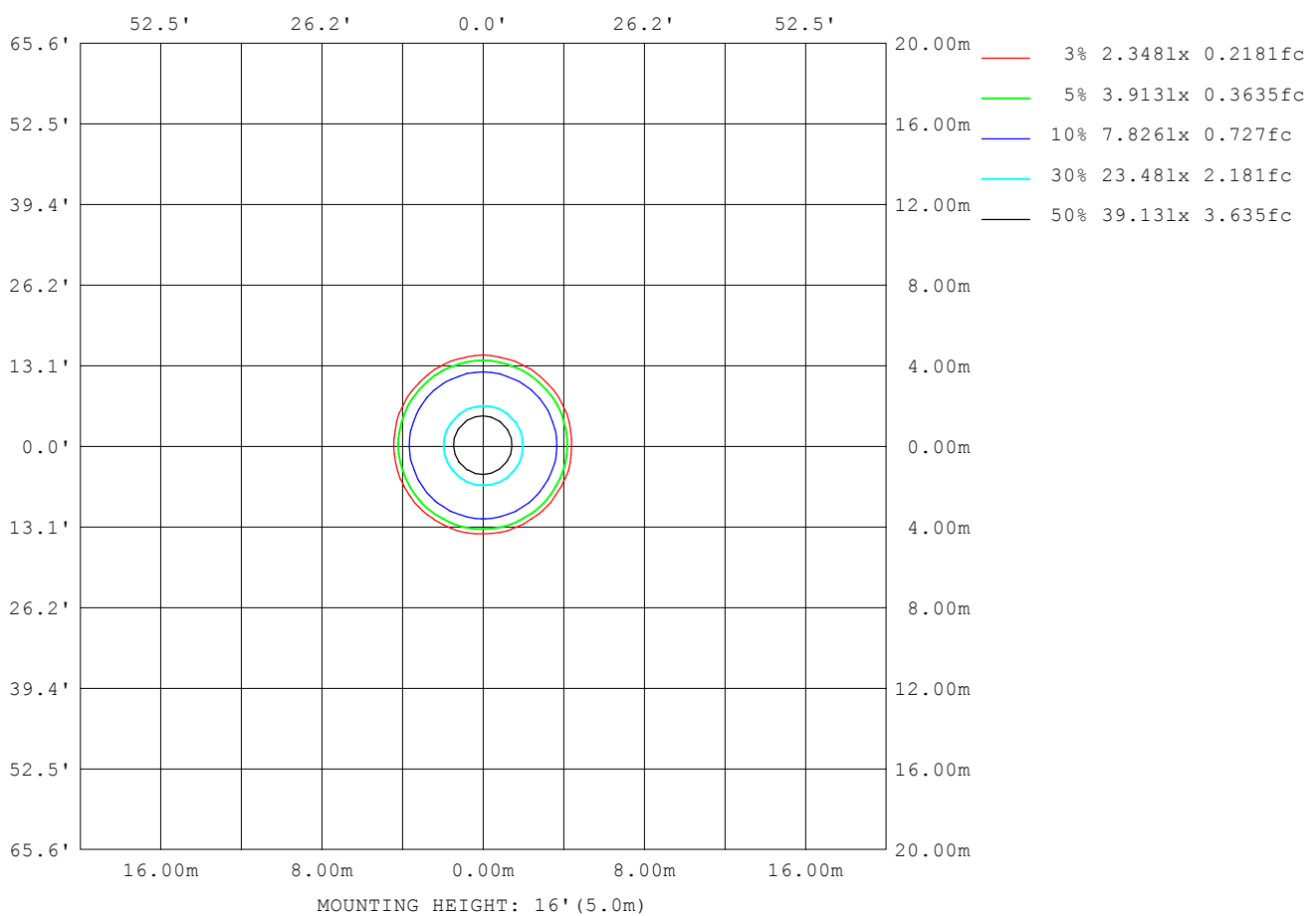
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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: RAD35R-15-CCT-UNV-36C-WT	TYPE:3000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

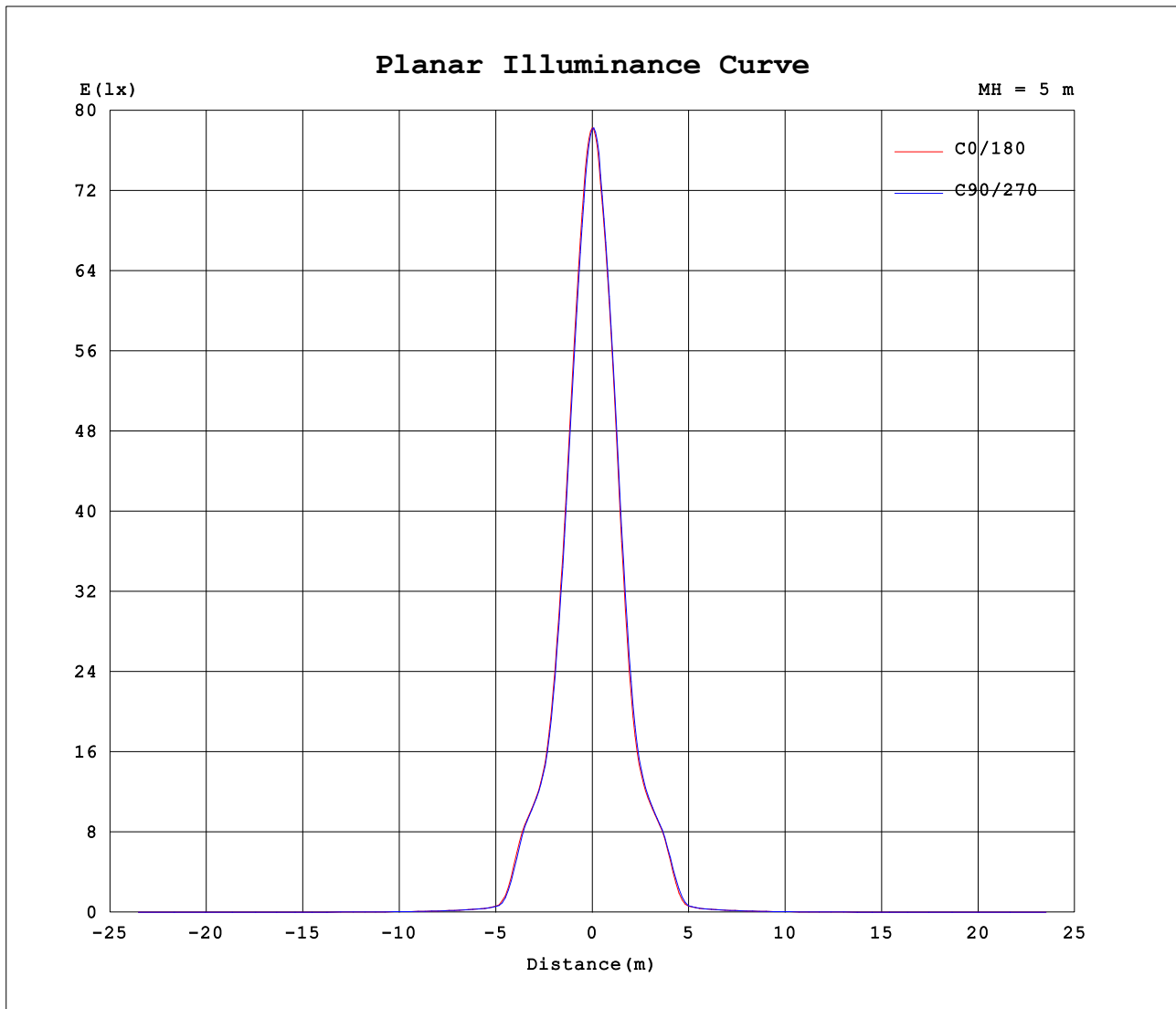
AvgL	cd/m2
L_0~180 (65) av	10569
L_0~180 (75) av	10907
L_0~180 (85) av	877
L_90~270 (65) av	10556
L_90~270 (75) av	10760
L_90~270 (85) av	1643
L_45 (65) av	10570
L_45 (75) av	10853
L_45 (85) av	1597

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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: 2025-06-06

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:

```