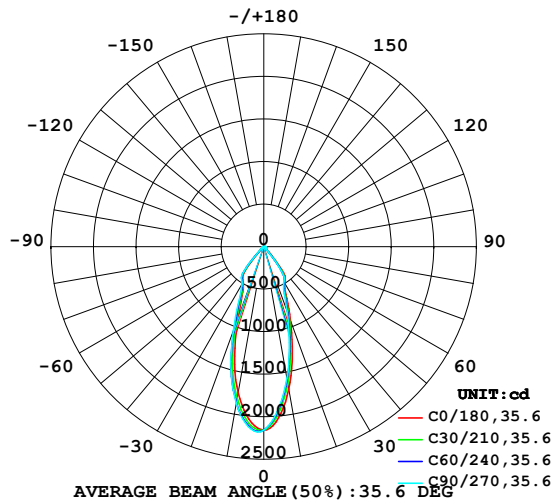


LUMINAIRE PHOTOMETRIC TEST REPORT

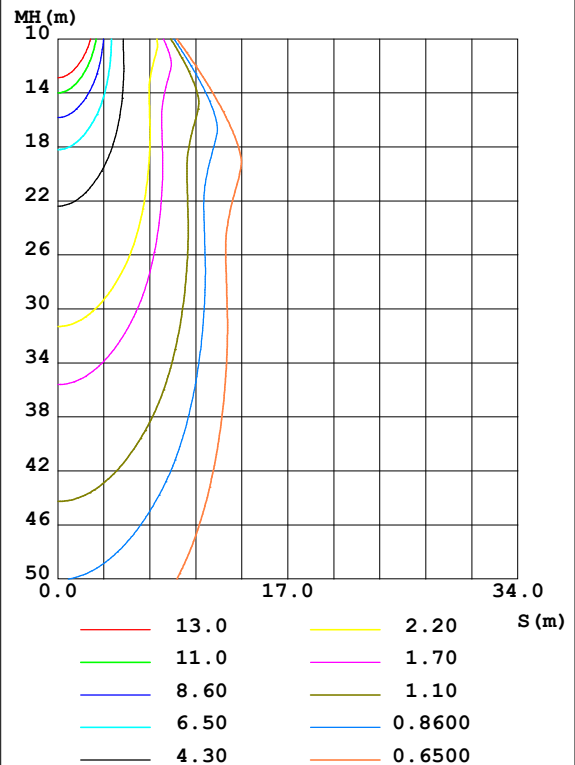
NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:4000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.02 lm/W
MODEL		Imax(cd)	2178	S/MH(C0/180)	0.58	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.64	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1215.1	η UP,DN(C0-180)	0.0,46.6	
NOMINAL FLUX(lm)	1215.12	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.4	
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:
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	1702	1606	1576	1632	1741	1836	1864	1798	0- 10	183.4	183.4	15.1,15.1
20	918.3	852.2	806.0	819.9	883.9	982.3	1049	999.1	10- 20	362.0	545.4	44.9,44.9
30	495.9	484.2	476.6	479.3	486.6	499.5	518.4	513.1	20- 30	293.2	838.6	69,69
40	233.1	173.1	139.4	176.1	232.0	293.3	326.5	286.6	30- 40	252.7	1091	89.8,89.8
50	34.80	33.67	33.20	33.65	33.76	34.62	36.43	36.10	40- 50	61.86	1153	94.9,94.9
60	25.10	24.53	24.10	24.48	24.86	25.19	25.99	25.79	50- 60	26.33	1179	97.1,97.1
70	18.20	17.72	17.21	17.56	18.05	18.38	18.81	18.60	60- 70	21.23	1201	98.8,98.8
80	4.480	3.126	2.407	2.982	4.271	5.921	7.025	6.023	70- 80	13.03	1214	99.9,99.9
90	0.1270	0.1269	0.1357	0.1325	0.2077	0.2249	0.2569	0.2362	80- 90	1.366	1215	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): 1136.6 lm

%lum = 93.5%

%lamp = 93.5%

Conical surface Flux(120deg): 1179.5 lm

%lum = 97.1%

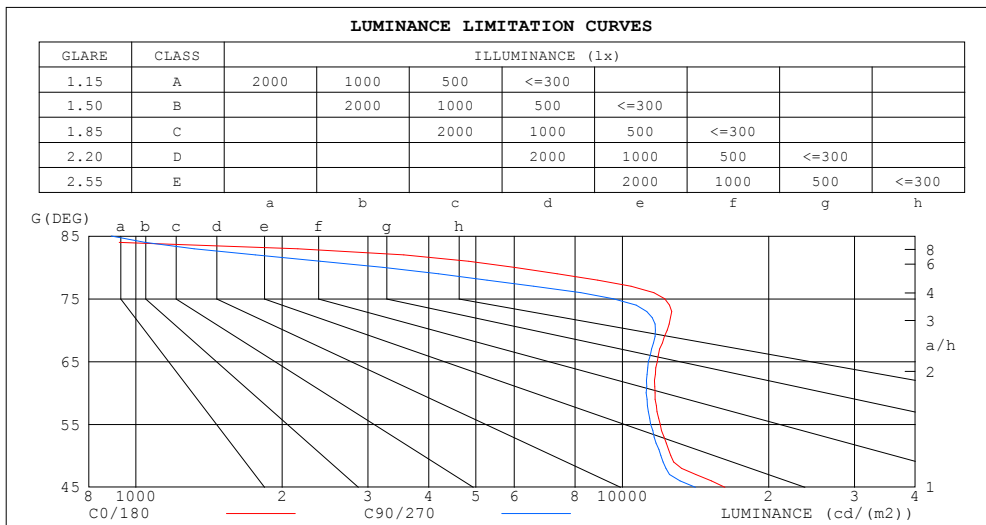
%lamp = 97.1%

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:4000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	523	890
80	5998	3221
75	12226	9575
70	12373	11690
65	11803	11308
60	11673	11200
55	11961	11427
50	12587	12000
45	16252	14147

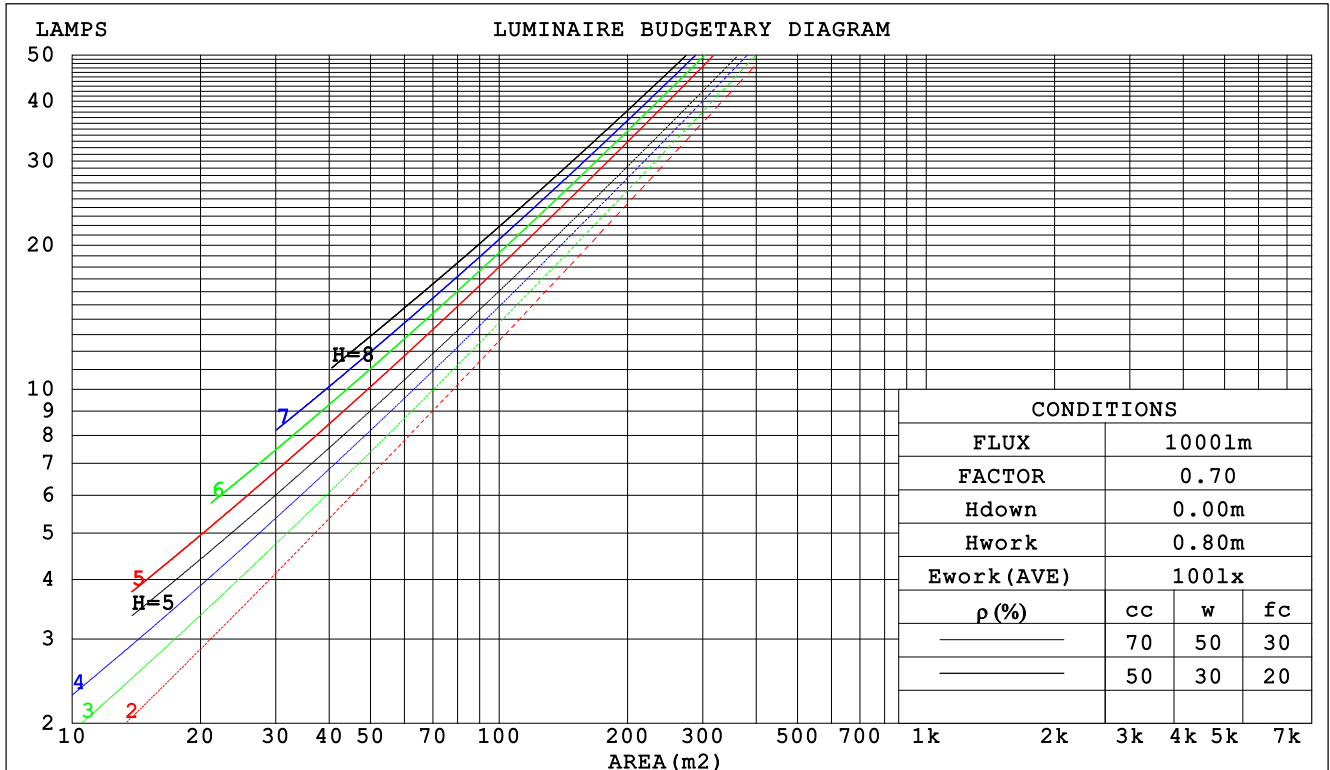
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:4000K 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	.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	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.59
9.0	.67	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
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:4000K 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	.184	.104	.033	.177	.101	.032	.164	.094	.030	.153	.088	.028	.142	.082	.027		
2.0	.175	.096	.029	.169	.093	.029	.159	.088	.027	.149	.083	.026	.140	.079	.025		
3.0	.165	.088	.026	.161	.086	.026	.152	.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	.076	.022	.145	.074	.022	.138	.072	.021	.131	.069	.021	.125	.067	.020		
6.0	.141	.071	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.121	.064	.019		
7.0	.134	.066	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	.116	.060	.018		
8.0	.128	.062	.018	.125	.062	.017	.120	.060	.017	.116	.059	.017	.112	.057	.017		
9.0	.122	.059	.016	.120	.058	.016	.115	.057	.016	.111	.056	.016	.108	.055	.016		
10.0	.116	.056	.016	.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	.031	.063	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.060	.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:4000K CRI90					WEIGHT:				
SPEC.:36D					DIM.:					SERIAL No.:1				
MFR.:					SUR.:Φ74MM					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					19.4	20.4	19.6	20.5	20.7	18.9	19.8	19.1	20.0	20.2
3H					19.8	20.7	20.0	20.9	21.1	19.3	20.2	19.6	20.4	20.6
4H					20.0	20.9	20.3	21.1	21.3	19.5	20.3	19.8	20.6	20.8
6H					20.1	20.9	20.4	21.1	21.4	19.5	20.3	19.8	20.5	20.8
8H					20.1	20.8	20.4	21.1	21.3	19.4	20.2	19.7	20.4	20.7
12H					20.0	20.7	20.3	21.0	21.3	19.4	20.1	19.7	20.4	20.7
4H 2H					19.4	20.2	19.7	20.4	20.7	18.9	19.7	19.2	19.9	20.2
3H					19.9	20.7	20.3	20.9	21.2	19.5	20.2	19.8	20.5	20.8
4H					20.3	21.0	20.7	21.3	21.6	19.8	20.5	20.1	20.8	21.1
6H					20.4	21.0	20.8	21.3	21.7	19.8	20.4	20.2	20.7	21.1
8H					20.4	20.9	20.8	21.3	21.6	19.8	20.3	20.2	20.6	21.0
12H					20.3	20.8	20.7	21.2	21.6	19.7	20.2	20.1	20.6	21.0
8H 4H					20.3	20.9	20.7	21.2	21.6	19.8	20.4	20.2	20.7	21.1
6H					20.4	20.9	20.9	21.3	21.7	19.9	20.3	20.3	20.7	21.1
8H					20.4	20.8	20.9	21.2	21.7	19.8	20.2	20.3	20.6	21.1
12H					20.4	20.7	20.8	21.1	21.6	19.8	20.1	20.2	20.5	21.0
12H 4H					20.3	20.8	20.7	21.1	21.5	19.8	20.3	20.2	20.7	21.1
6H					20.4	20.8	20.8	21.2	21.6	19.8	20.2	20.3	20.6	21.1
8H					20.4	20.7	20.8	21.1	21.6	19.8	20.1	20.2	20.5	21.0
Variations with the observer position at spacings:														
S = 1.0H					+ 2.8 / - 2.9					+ 2.5 / - 2.4				
1.5H					+ 5.1 / - 2.8					+ 4.7 / - 2.3				
2.0H					+ 0.4 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117, 1215 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

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:

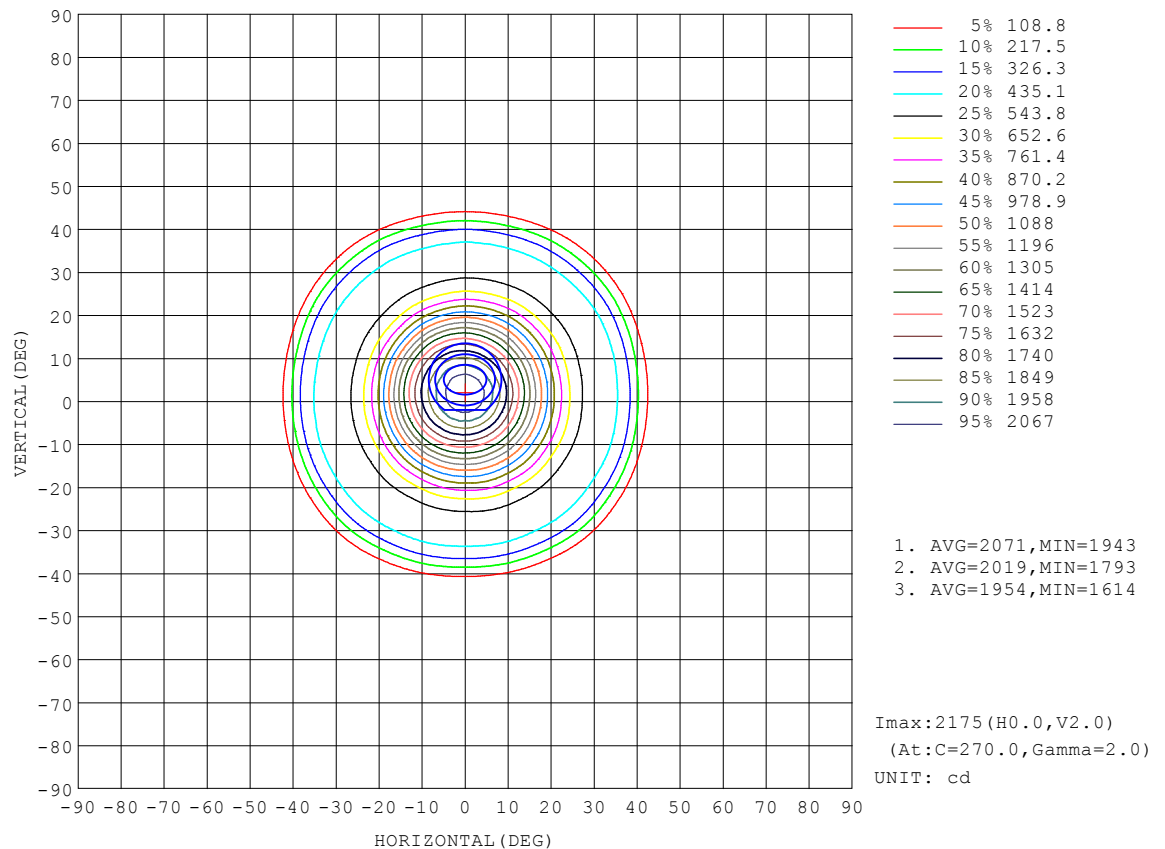
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:4000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

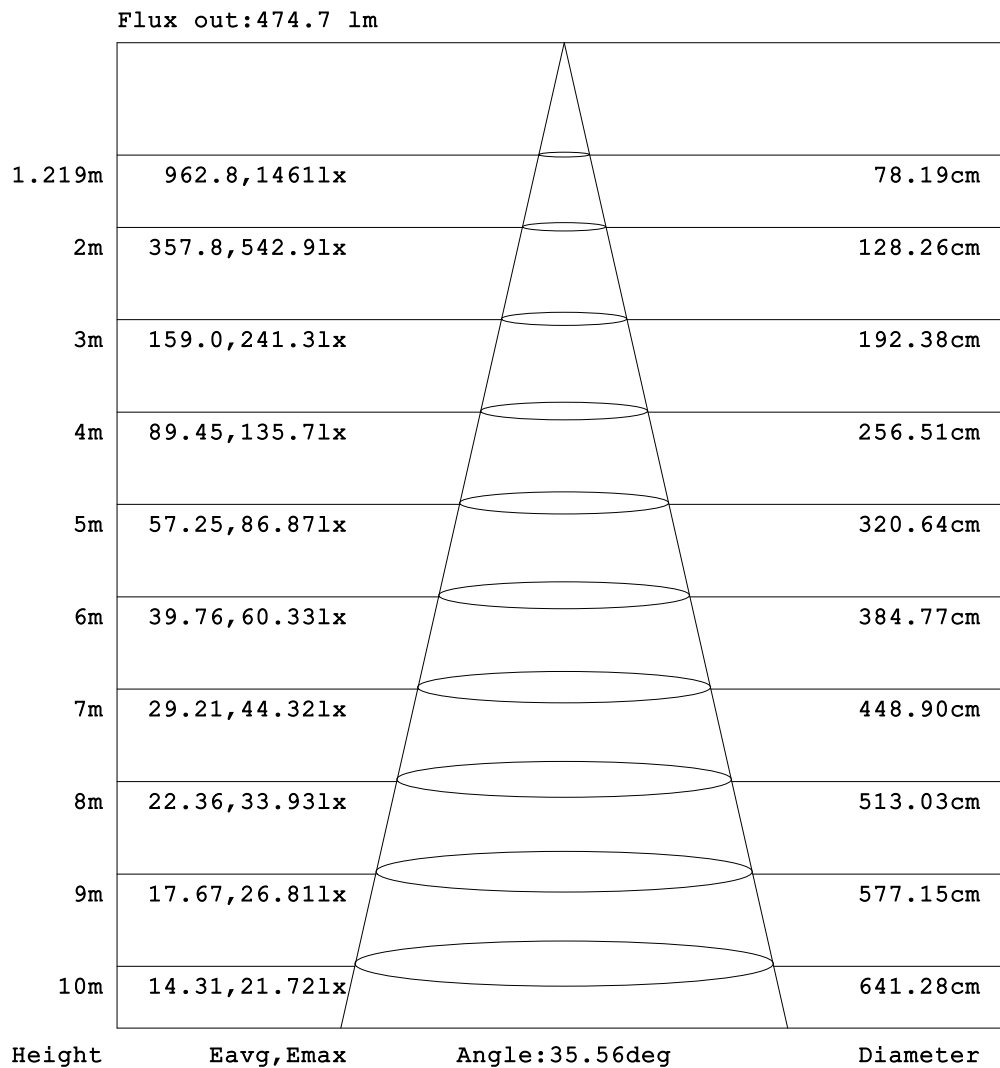


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:4000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



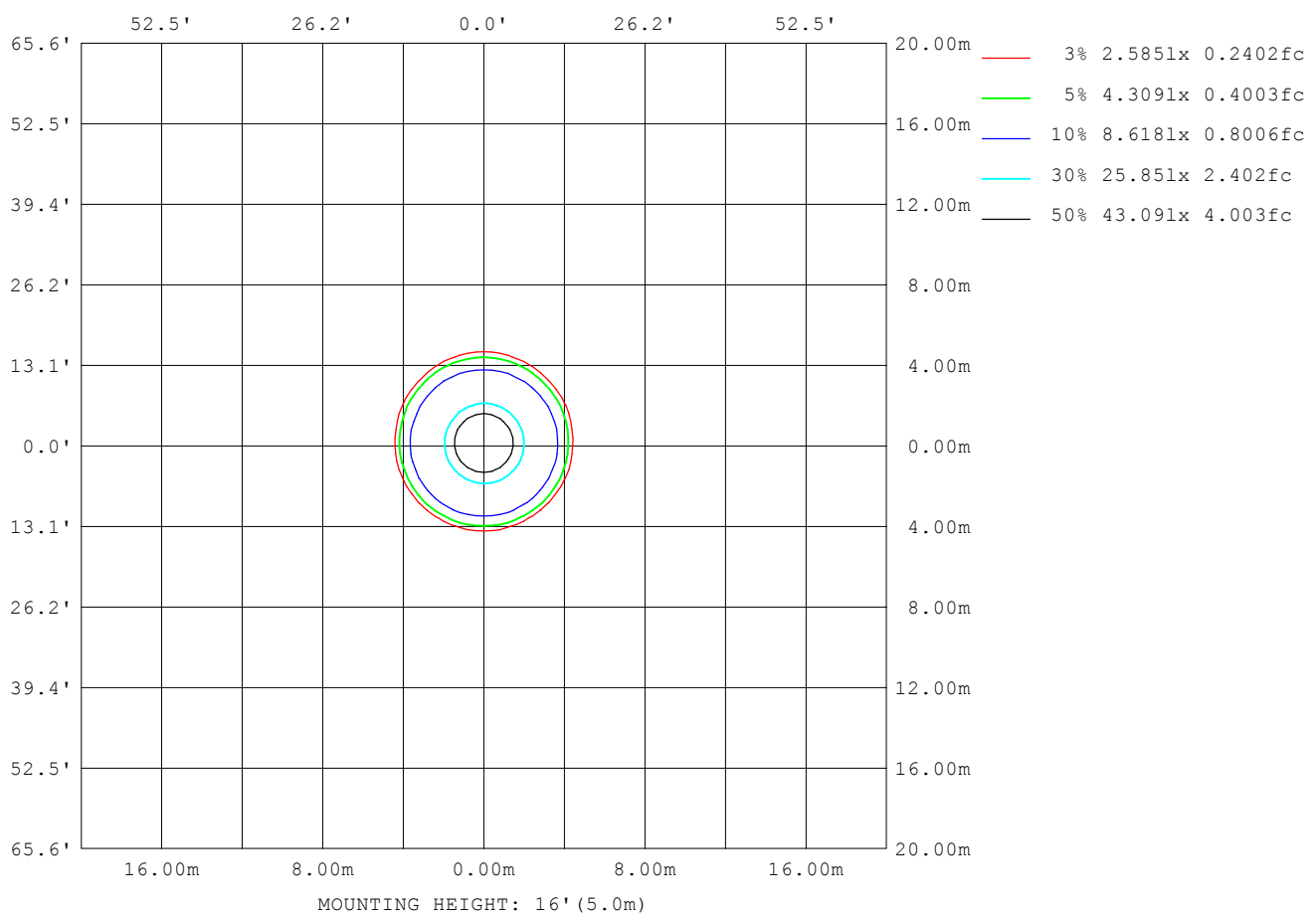
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:4000K 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:4000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

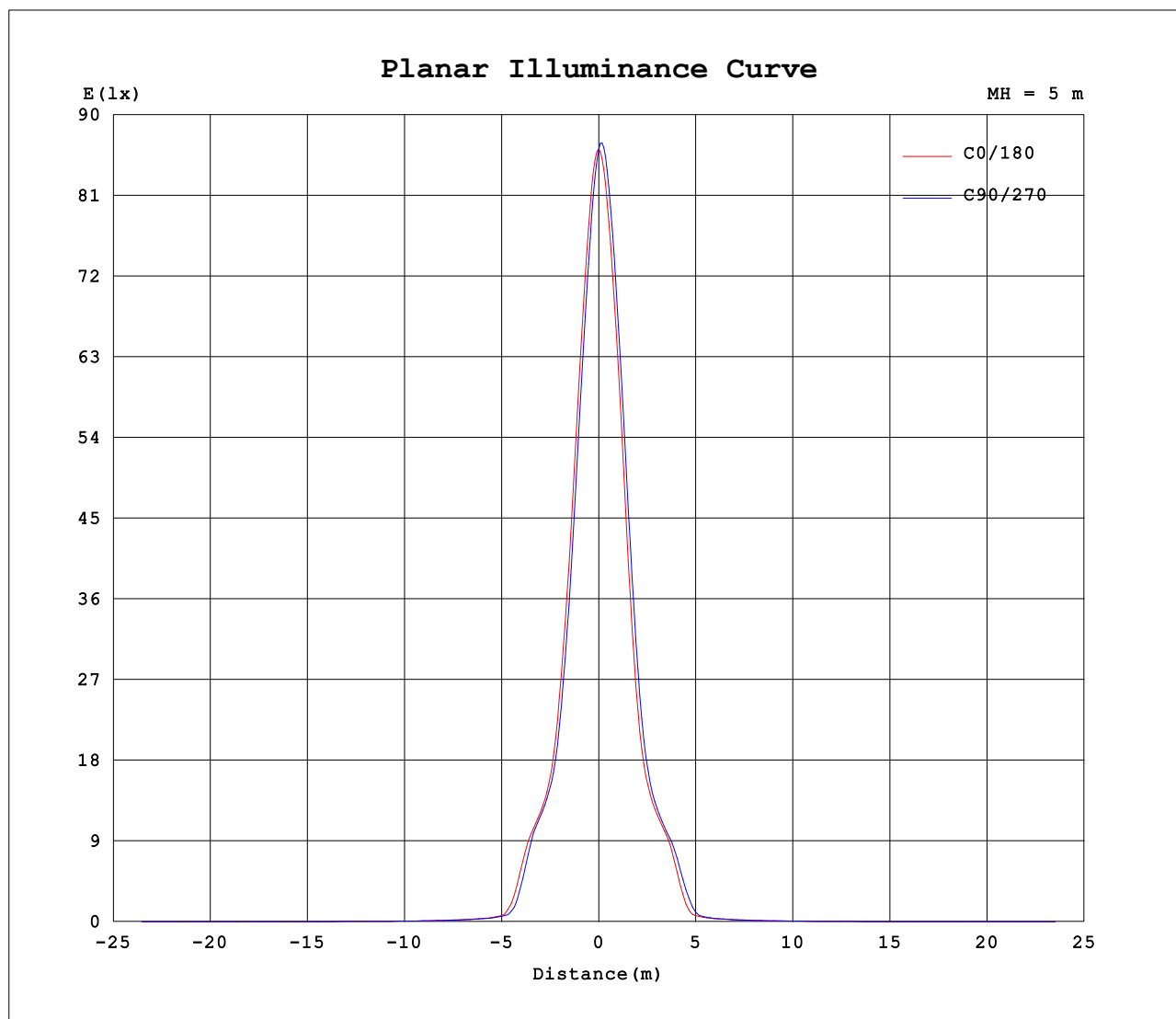
AvgL	cd/m2
L_0~180 (65) av	11774
L_0~180 (75) av	12136
L_0~180 (85) av	868
L_90~270 (65) av	11766
L_90~270 (75) av	11561
L_90~270 (85) av	2222
L_45 (65) av	11753
L_45 (75) av	11903
L_45 (85) av	1922

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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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:

```