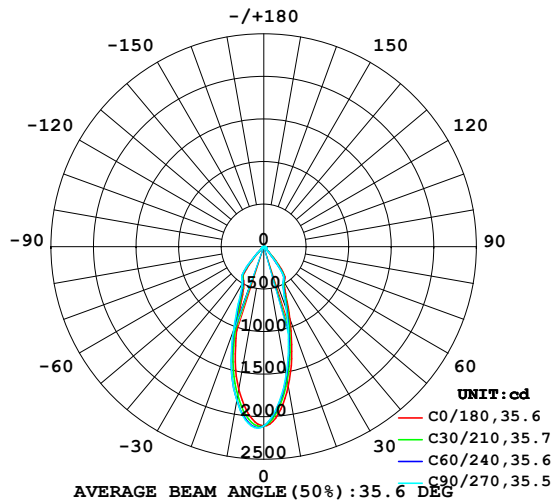


LUMINAIRE PHOTOMETRIC TEST REPORT

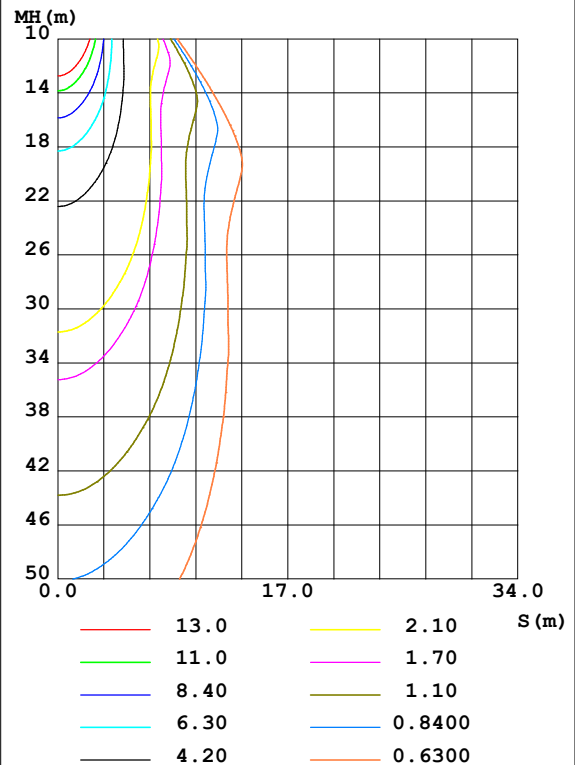
NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:5000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.45 lm/W			
MODEL		I _{max} (cd)	2135	S/MH (C0/180)	0.58
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH (C90/270)	0.65
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1191.4	η UP,DN (C0-180)	0.0,46.1
NOMINAL FLUX(lm)	1191.43	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,53.9
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	1665	1563	1529	1588	1703	1806	1833	1768	0- 10	179.3	179.3	15.1,15.1
20	898.6	824.3	779.0	795.8	866.3	981.1	1044	987.5	10- 20	354.8	534.1	44.8,44.8
30	485.7	472.4	464.9	468.5	476.8	492.4	511.4	505.1	20- 30	287.8	821.9	69,69
40	228.7	162.2	127.1	166.5	226.8	296.5	329.4	286.7	30- 40	247.2	1069	89.7,89.7
50	34.16	32.88	32.38	32.93	33.17	34.29	36.30	35.61	40- 50	61.45	1131	94.9,94.9
60	24.64	23.95	23.54	23.94	24.42	24.89	25.70	25.42	50- 60	25.88	1156	97.1,97.1
70	17.86	17.26	16.74	17.15	17.72	18.17	18.59	18.33	60- 70	20.85	1177	98.8,98.8
80	4.371	2.860	2.193	2.805	4.206	6.116	7.247	6.086	70- 80	12.78	1190	99.9,99.9
90	0.1238	0.1239	0.1270	0.1268	0.1987	0.2219	0.2627	0.2334	80- 90	1.363	1191	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): 1114.2 lm

%lum = 93.5%

%lamp = 93.5%

Conical surface Flux(120deg): 1156.4 lm

%lum = 97.1%

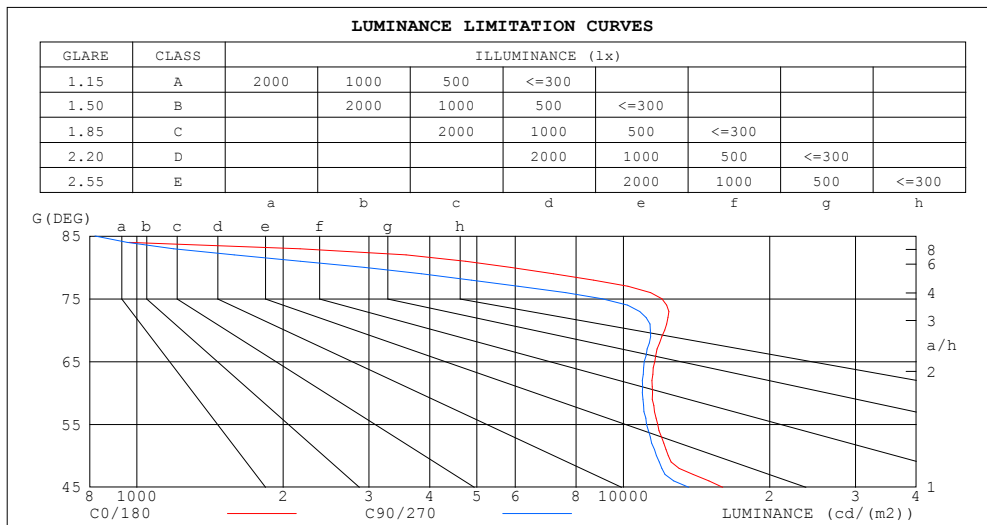
%lamp = 97.1%

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:5000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	531	820
80	5863	2934
75	11995	9044
70	12165	11372
65	11604	11038
60	11480	10941
55	11763	11157
50	12378	11705
45	15999	13630

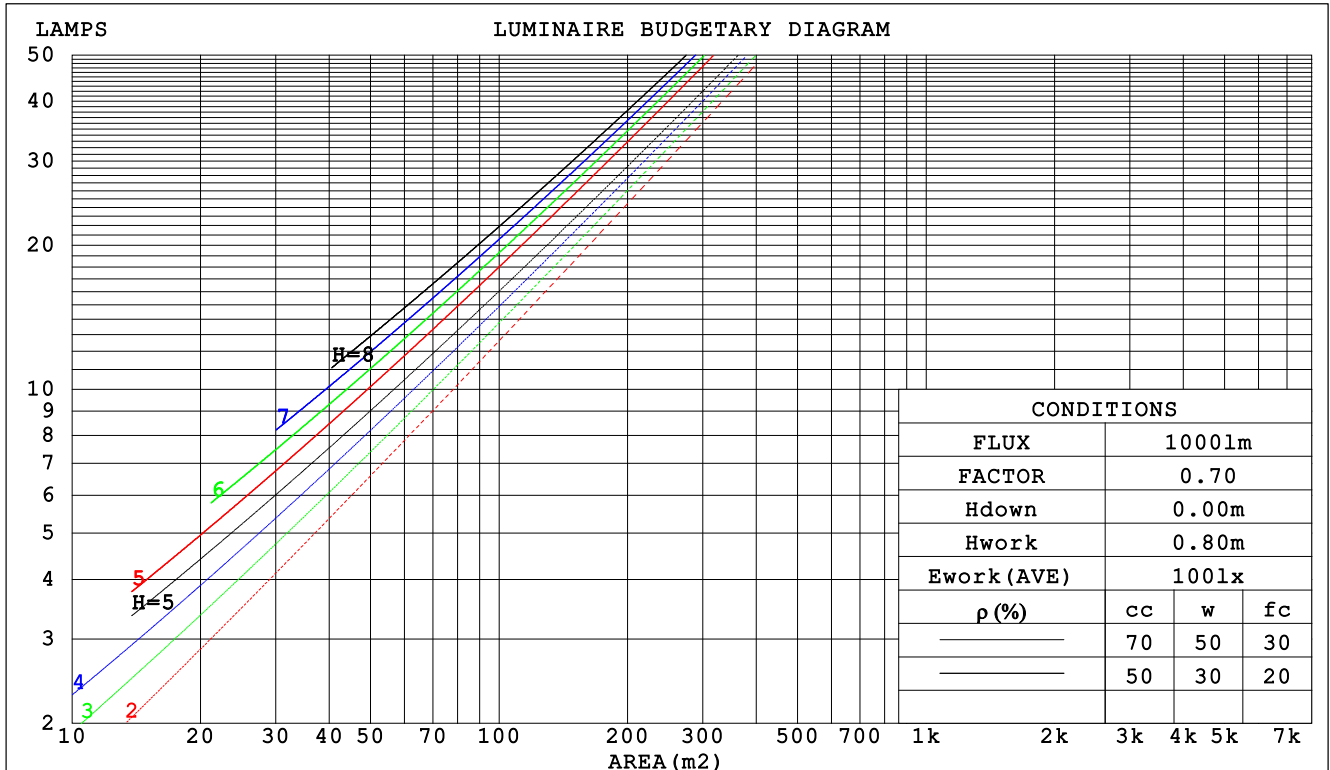
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:5000K 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	.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	.75	.72	.78	.74	.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:5000K 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	.084	.026	.140	.079	.025		
3.0	.166	.088	.026	.161	.086	.026	.152	.082	.025	.143	.078	.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	.126	.067	.020		
6.0	.141	.071	.020	.138	.069	.020	.132	.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	.117	.056	.016	.115	.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	.108	.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:5000K 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	20.3	19.6	20.5	20.6	18.8	19.7	19.0	19.9	20.1
3H					19.7	20.6	20.0	20.8	21.0	19.2	20.1	19.5	20.3	20.5
4H					20.0	20.8	20.3	21.0	21.3	19.4	20.2	19.7	20.4	20.7
6H					20.0	20.8	20.3	21.1	21.3	19.4	20.1	19.7	20.4	20.6
8H					20.0	20.8	20.3	21.0	21.3	19.3	20.1	19.6	20.3	20.6
12H					20.0	20.7	20.3	21.0	21.2	19.3	20.0	19.6	20.3	20.5
4H 2H					19.3	20.2	19.6	20.4	20.6	18.8	19.6	19.1	19.8	20.1
3H					19.9	20.6	20.2	20.9	21.2	19.4	20.1	19.7	20.4	20.7
4H					20.3	20.9	20.6	21.2	21.5	19.7	20.3	20.0	20.6	21.0
6H					20.4	20.9	20.7	21.3	21.6	19.7	20.3	20.1	20.6	20.9
8H					20.3	20.9	20.7	21.2	21.6	19.6	20.2	20.0	20.5	20.9
12H					20.3	20.8	20.7	21.1	21.5	19.6	20.1	20.0	20.5	20.8
8H 4H					20.3	20.8	20.7	21.2	21.5	19.7	20.3	20.1	20.6	21.0
6H					20.4	20.8	20.8	21.2	21.6	19.7	20.2	20.2	20.6	21.0
8H					20.4	20.8	20.8	21.2	21.6	19.7	20.1	20.1	20.5	20.9
12H					20.3	20.6	20.8	21.1	21.6	19.6	20.0	20.1	20.4	20.9
12H 4H					20.2	20.7	20.6	21.1	21.5	19.7	20.2	20.1	20.6	20.9
6H					20.3	20.7	20.8	21.1	21.6	19.7	20.1	20.1	20.5	20.9
8H					20.3	20.6	20.8	21.1	21.6	19.6	20.0	20.1	20.4	20.9
Variations with the observer position at spacings:														
S = 1.0H					+ 2.8 / - 2.9					+ 2.5 / - 2.3				
1.5H					+ 5.1 / - 2.8					+ 4.6 / - 2.2				
2.0H					+ 0.4 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117, 1191 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

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:

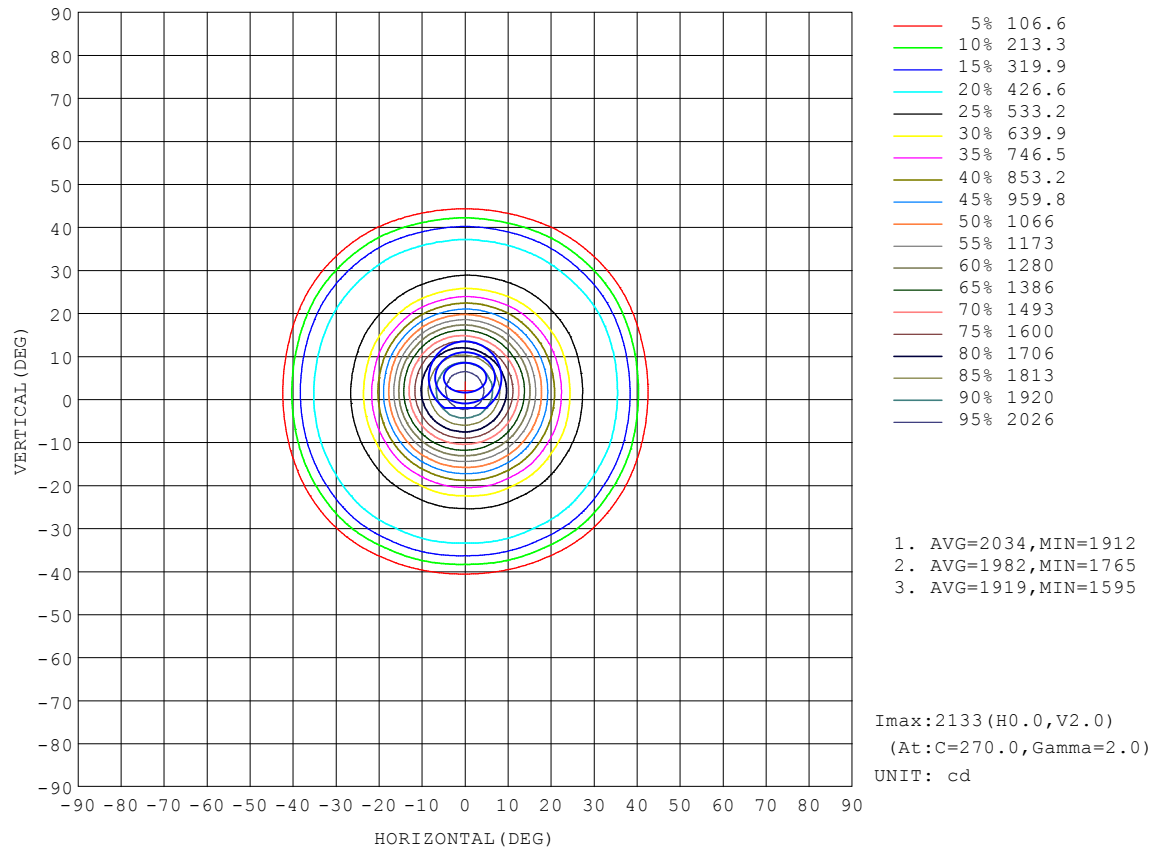
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:5000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

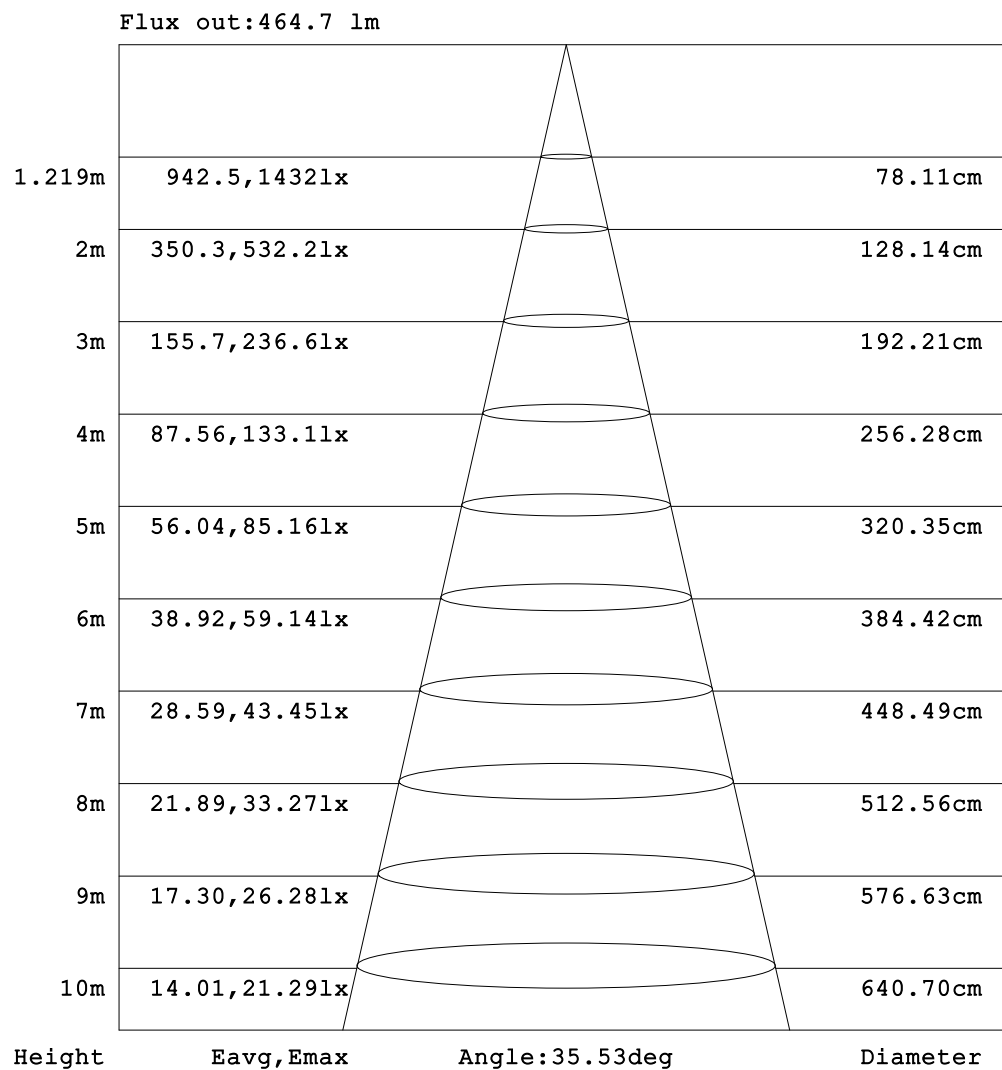


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:5000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



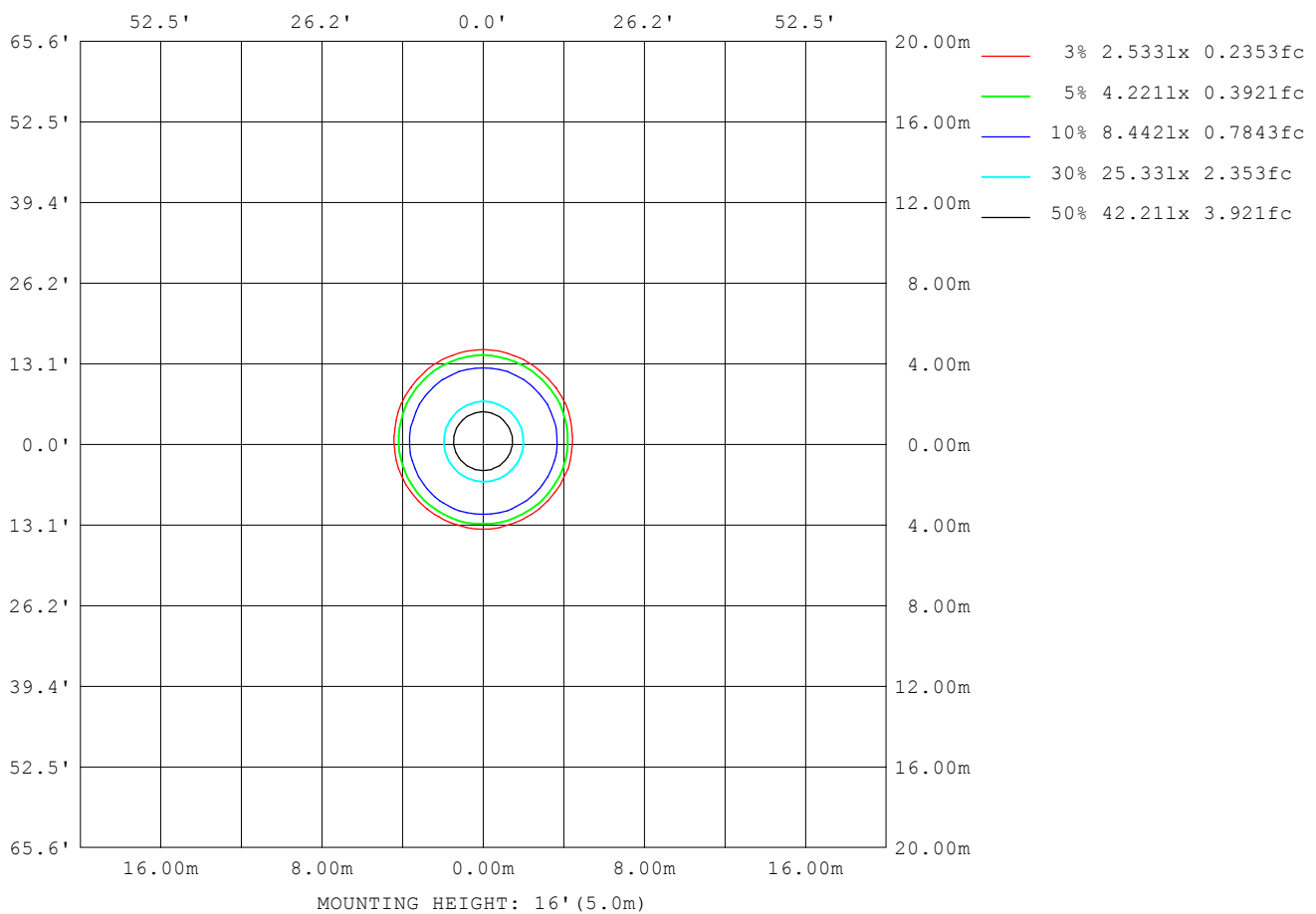
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:5000K 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:5000K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

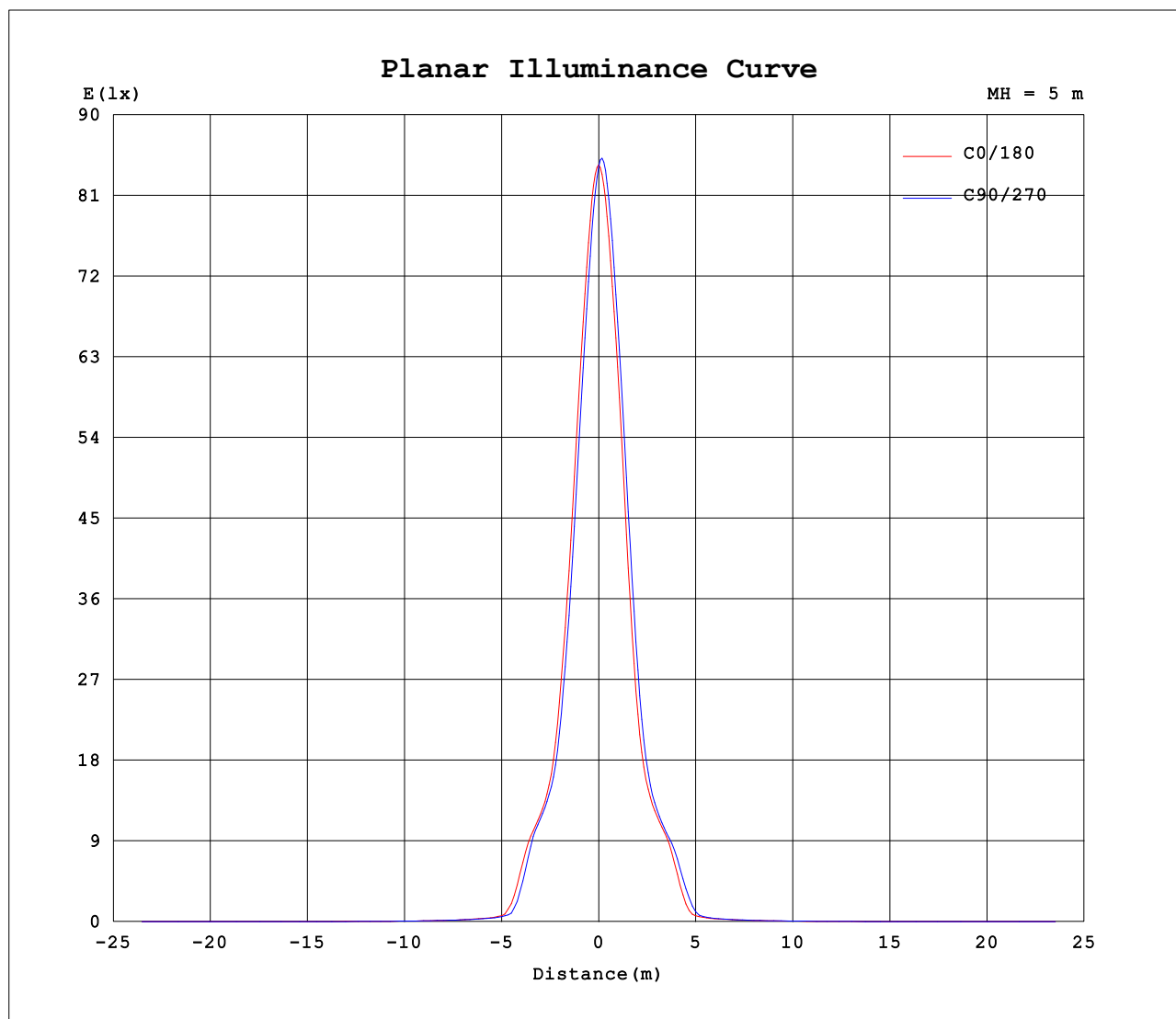
AvgL	cd/m2
L_0~180 (65) av	11556
L_0~180 (75) av	11904
L_0~180 (85) av	856
L_90~270 (65) av	11563
L_90~270 (75) av	11257
L_90~270 (85) av	2294
L_45 (65) av	11541
L_45 (75) av	11619
L_45 (85) av	1927

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:

```