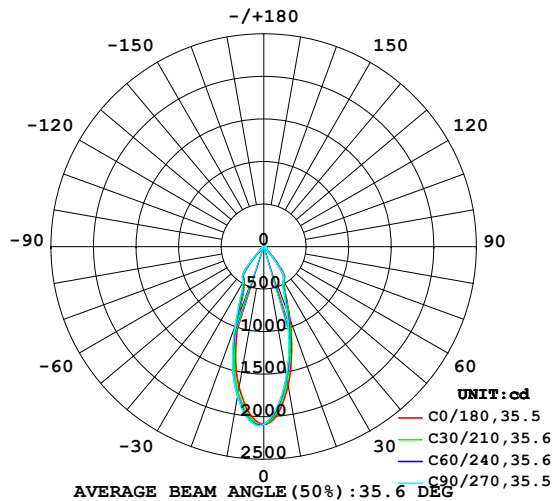


LUMINAIRE PHOTOMETRIC TEST REPORT

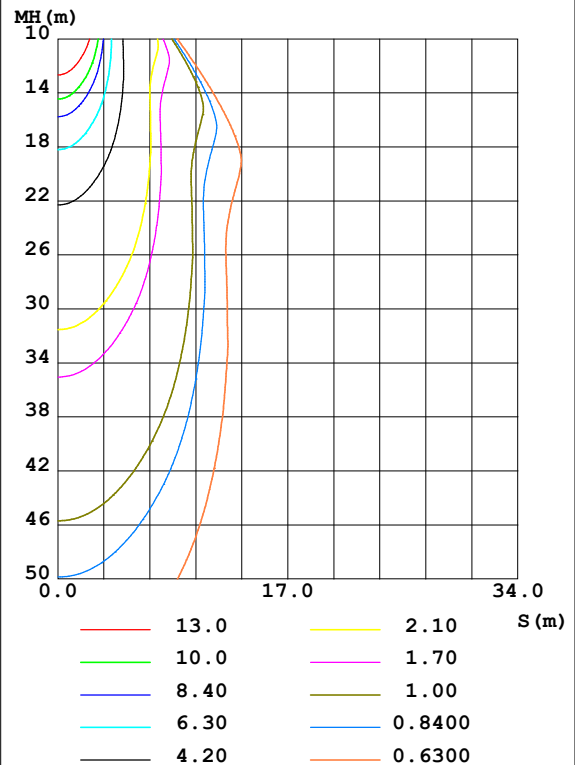
NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.82 lm/W
MODEL		Imax(cd)	2104	S/MH(C0/180)	0.58	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.63	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1173.3	η UP,DN(C0-180)	0.0,47.2	
NOMINAL FLUX(lm)	1173.32	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.8	
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	1652	1568	1542	1592	1681	1763	1780	1729	0- 10	177.4	177.4	15.1,15.1
20	892.5	836.5	795.3	803.5	847.6	933.4	989.3	955.4	10- 20	349.9	527.3	44.9,44.9
30	479.3	470.1	462.9	465.0	468.5	479.8	495.6	493.7	20- 30	282.6	810.0	69,69
40	230.0	177.4	147.8	178.8	219.7	272.4	301.4	268.5	30- 40	244.8	1055	89.9,89.9
50	33.66	32.71	32.31	32.65	32.45	33.13	34.51	34.67	40- 50	58.82	1114	94.9,94.9
60	24.26	23.85	23.45	23.78	23.91	24.16	24.80	24.77	50- 60	25.40	1139	97.1,97.1
70	17.60	17.28	16.82	17.09	17.35	17.61	17.96	17.86	60- 70	20.48	1159	98.8,98.8
80	4.445	3.267	2.576	3.052	4.021	5.392	6.315	5.571	70- 80	12.61	1172	99.9,99.9
90	0.1269	0.1240	0.1269	0.1297	0.2047	0.2162	0.2395	0.2247	80- 90	1.293	1173	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): 1097.7 lm

%lum = 93.6%

%lamp = 93.6%

Conical surface Flux(120deg): 1138.9 lm

%lum = 97.1%

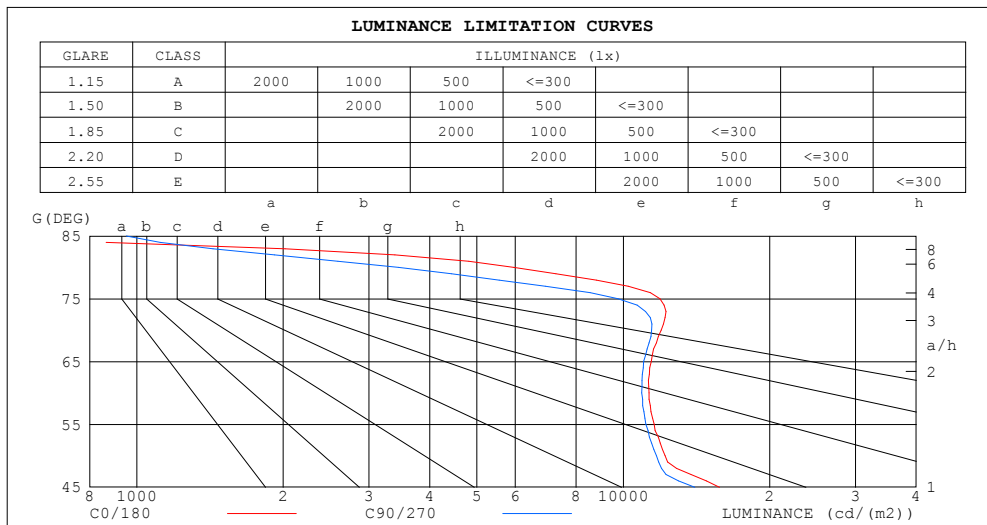
%lamp = 97.1%

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:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	529	951
80	5955	3450
75	11891	9750
70	11971	11434
65	11414	11008
60	11288	10905
55	11570	11126
50	12180	11689
45	15775	14026

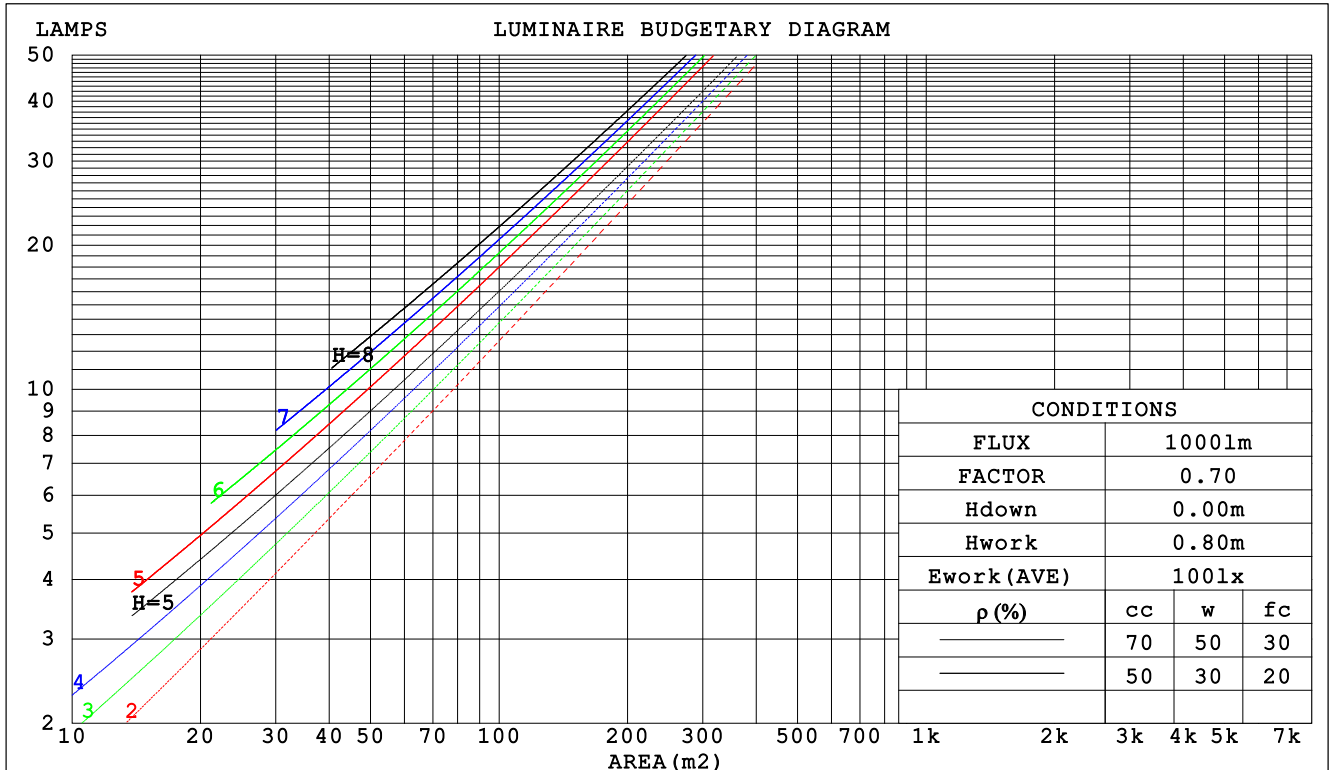
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:3500K 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	.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	.68	.64	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.64	.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:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	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	.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	.141	.070	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.121	.063	.019	
7.0	.134	.066	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	.116	.060	.018	
8.0	.127	.062	.018	.125	.062	.017	.120	.060	.017	.116	.059	.017	.112	.057	.017	
9.0	.122	.059	.016	.119	.058	.016	.115	.057	.016	.111	.056	.016	.108	.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	.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	.032	.063	.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:3500K 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	19.7	20.6	20.8	19.0	20.0	19.3	20.2	20.3
3H					19.9	20.7	20.1	20.9	21.1	19.4	20.3	19.7	20.5	20.7
4H					20.1	20.9	20.4	21.2	21.4	19.6	20.5	19.9	20.7	20.9
6H					20.2	21.0	20.5	21.2	21.4	19.6	20.4	19.9	20.7	20.9
8H					20.1	20.9	20.5	21.1	21.4	19.6	20.3	19.9	20.6	20.9
12H					20.1	20.8	20.4	21.1	21.4	19.5	20.3	19.9	20.5	20.8
4H 2H					19.5	20.3	19.7	20.5	20.7	19.0	19.9	19.3	20.1	20.3
3H					20.0	20.7	20.3	21.0	21.3	19.6	20.4	20.0	20.6	20.9
4H					20.4	21.0	20.7	21.3	21.6	19.9	20.6	20.3	20.9	21.2
6H					20.5	21.1	20.9	21.4	21.8	20.0	20.5	20.3	20.9	21.2
8H					20.5	21.0	20.9	21.4	21.7	19.9	20.5	20.3	20.8	21.2
12H					20.4	20.9	20.8	21.3	21.7	19.9	20.4	20.3	20.7	21.1
8H 4H					20.4	21.0	20.8	21.3	21.7	20.0	20.5	20.4	20.9	21.3
6H					20.5	21.0	21.0	21.4	21.8	20.0	20.5	20.5	20.9	21.3
8H					20.5	20.9	21.0	21.3	21.8	20.0	20.4	20.4	20.8	21.2
12H					20.5	20.8	20.9	21.2	21.7	19.9	20.3	20.4	20.7	21.2
12H 4H					20.4	20.9	20.8	21.2	21.6	20.0	20.4	20.4	20.8	21.2
6H					20.5	20.9	20.9	21.3	21.7	20.0	20.4	20.4	20.8	21.2
8H					20.5	20.8	20.9	21.2	21.7	19.9	20.3	20.4	20.7	21.2
Variations with the observer position at spacings:														
S = 1.0H					+ 2.7 / - 3.0					+ 2.5 / - 2.5				
1.5H					+ 5.0 / - 2.9					+ 4.7 / - 2.4				
2.0H					+ 0.4 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117, 1173 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 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:

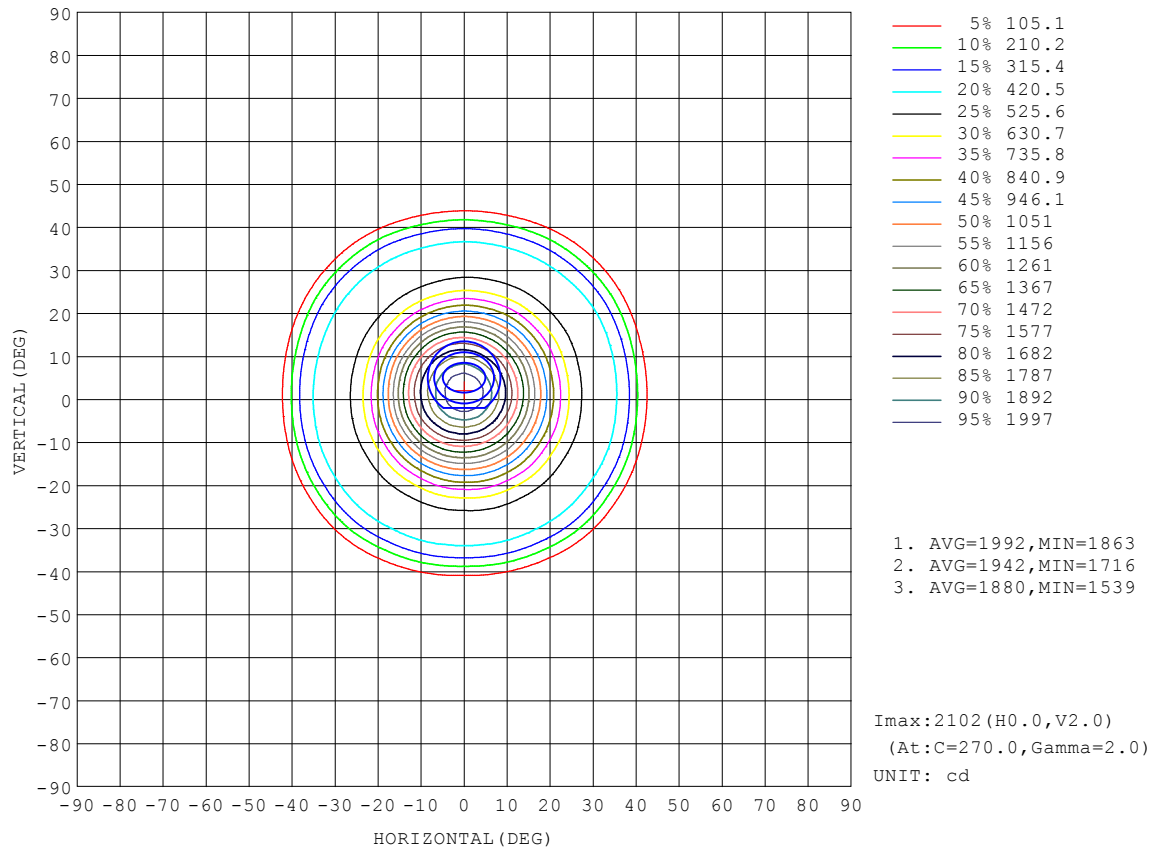
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.620m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: RAD35R-15-CCT-UNV-36C-WT	TYPE:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

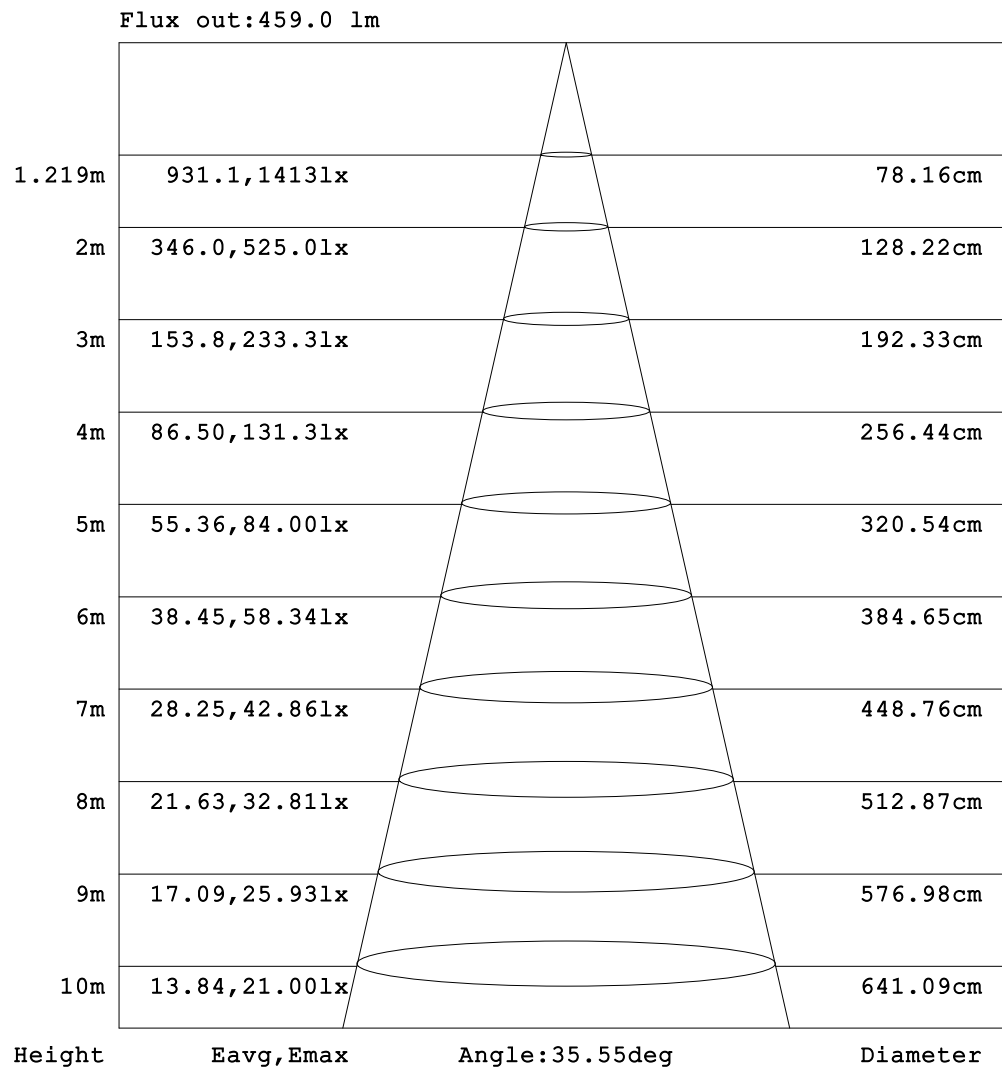


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:



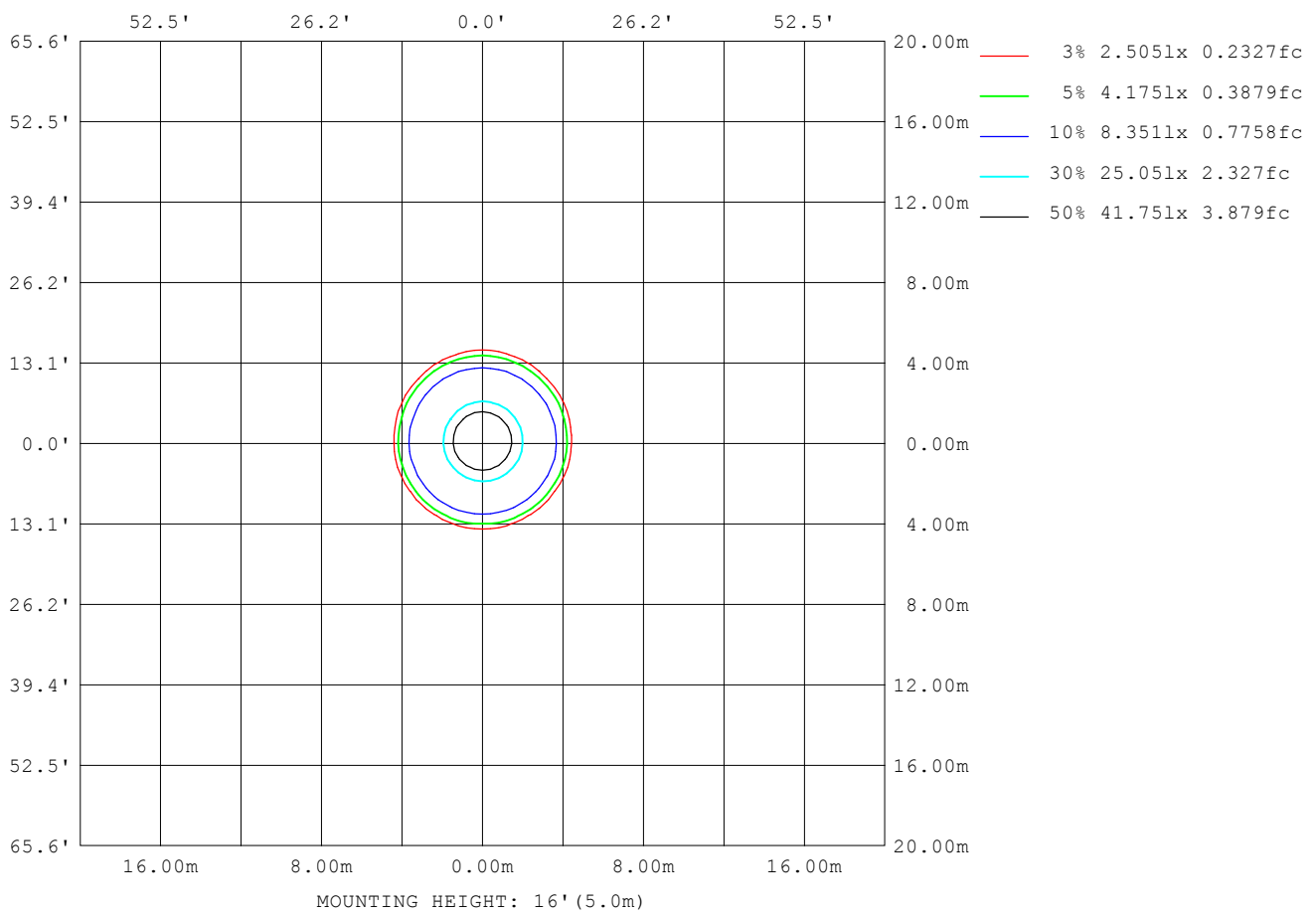
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:3500K 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:3500K CRI90	WEIGHT:
SPEC.:36D	DIM.:	SERIAL No.:1
MFR.:	SUR.:Φ74MM	Shielding Angle:

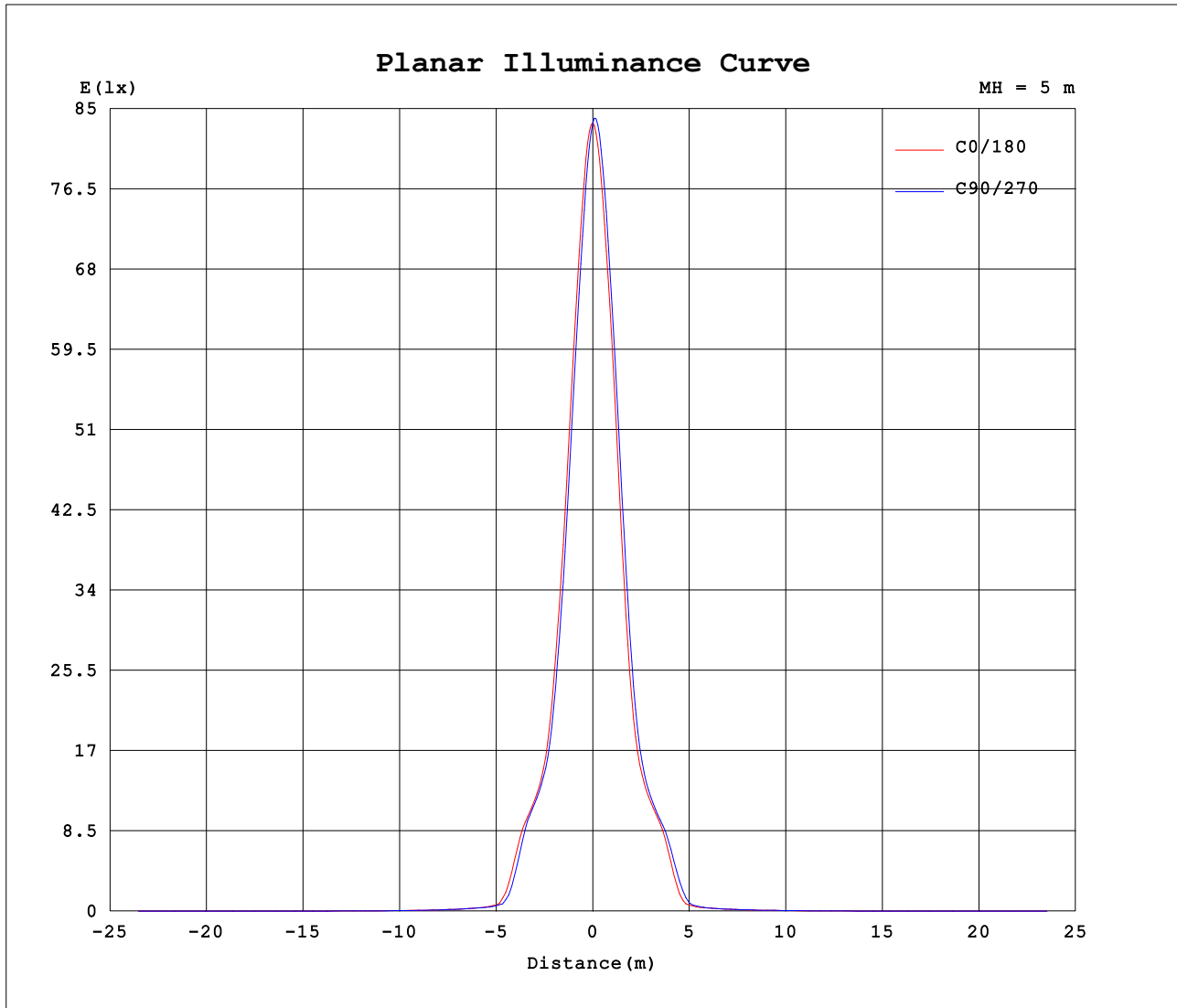
AvgL	cd/m2
L_0~180 (65) av	11351
L_0~180 (75) av	11705
L_0~180 (85) av	856
L_90~270 (65) av	11334
L_90~270 (75) av	11273
L_90~270 (85) av	2014
L_45 (65) av	11352
L_45 (75) av	11559
L_45 (85) av	1801

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:

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