

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:

Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019

NAME: AMANDEEP

TYPE: 4000K CRI-90

WEIGHT:

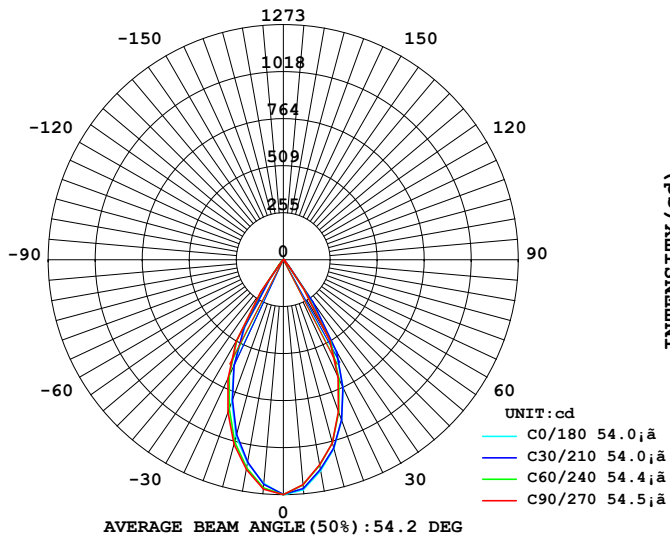
SPECIFICATION: OSRAM 250 MA

DIMENSION: D-83 CUTOUT-67 H-53 MM

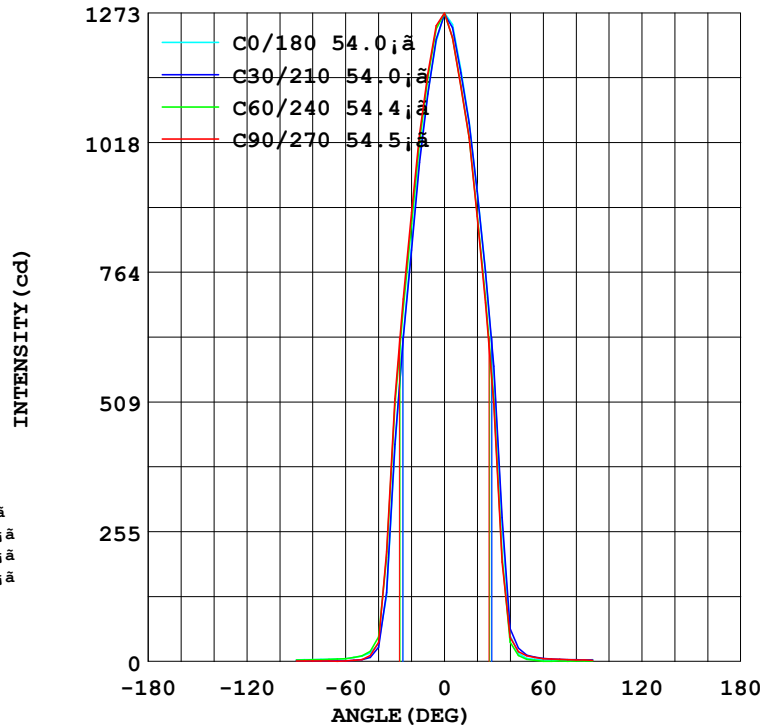
SERIAL No.:

DATA OF LAMP		Imax (cd)	1273	S/MH (C0/180)	0.77
MODEL	AMANDEEP	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.82
NOMINAL POWER (W)	7	TOTAL FLUX (lm)	886.95	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	118.3	Current (A)	0.034
NOMINAL FLUX (lm)	887.0	η up (%)	0.0	Power (W)	7.500
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.982
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	835.9	EEI	0.113

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 09-15-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.000 m
 Remarks: 4000K

Color Temperature Data List

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

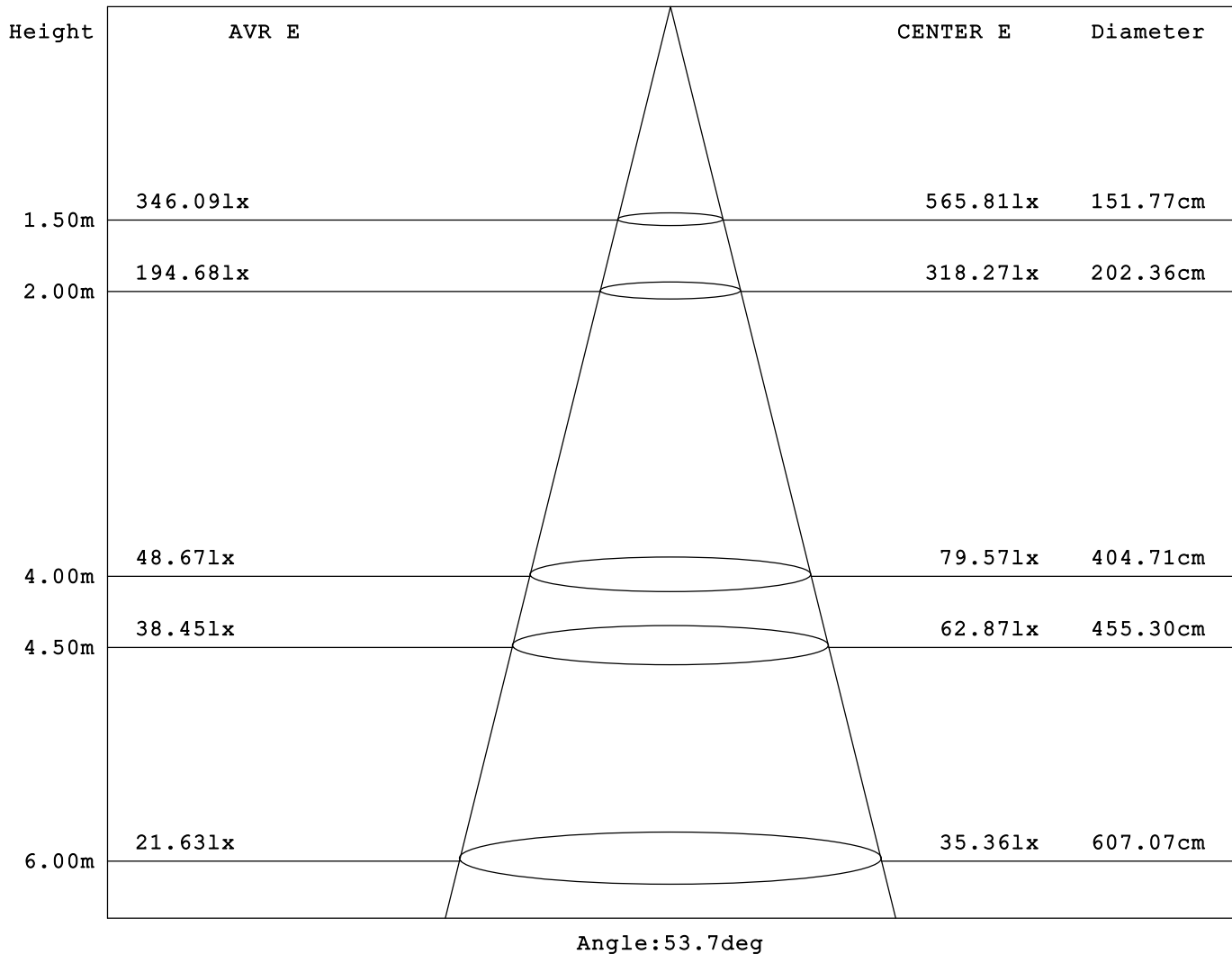
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-15-2025

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ZONAL FLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1118	1130	1154	1165	1163	1143	1128	1113	0- 10	114.8	114.8
20.0	817.2	833.1	880.6	917.7	924.9	900.7	873.7	821.9	10- 20	284.5	399.3
30.0	418.2	464.9	515.3	560.3	570.0	547.1	505.4	397.8	20- 30	316.6	715.9
40.0	34.66	38.07	37.34	47.34	50.70	51.19	47.14	28.34	30- 40	141.9	857.9
50.0	10.61	7.087	3.645	8.181	5.751	8.059	10.93	6.156	40- 50	15.19	873.1
60.0	5.589	3.078	0.648	8.019	2.673	3.159	5.265	2.916	50- 60	4.973	878.1
70.0	4.293	2.389	0.648	6.075	2.592	2.430	3.969	2.146	60- 70	3.685	881.7
80.0	3.483	2.106	0.810	3.037	2.592	1.944	3.078	1.782	70- 80	2.814	884.6
90.0	2.916	2.065	1.134	2.146	3.483	1.782	2.430	1.620	80- 90	2.347	886.9
100.0									90-100		
110.0									100-110		
120.0									110-120		
130.0									120-130		
140.0									130-140		
150.0									140-150		
160.0									150-160		
170.0									160-170		
180.0									170-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
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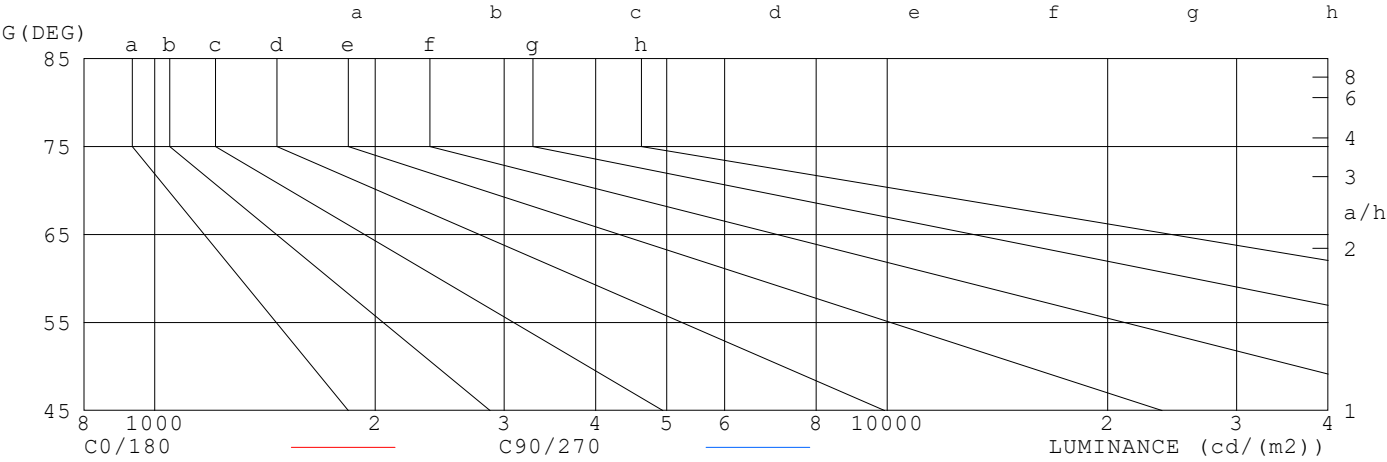
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
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SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	362	93
80	201	47
75	147	28
70	126	19
65	113	13
60	112	13
55	138	35
50	165	57
45	233	160

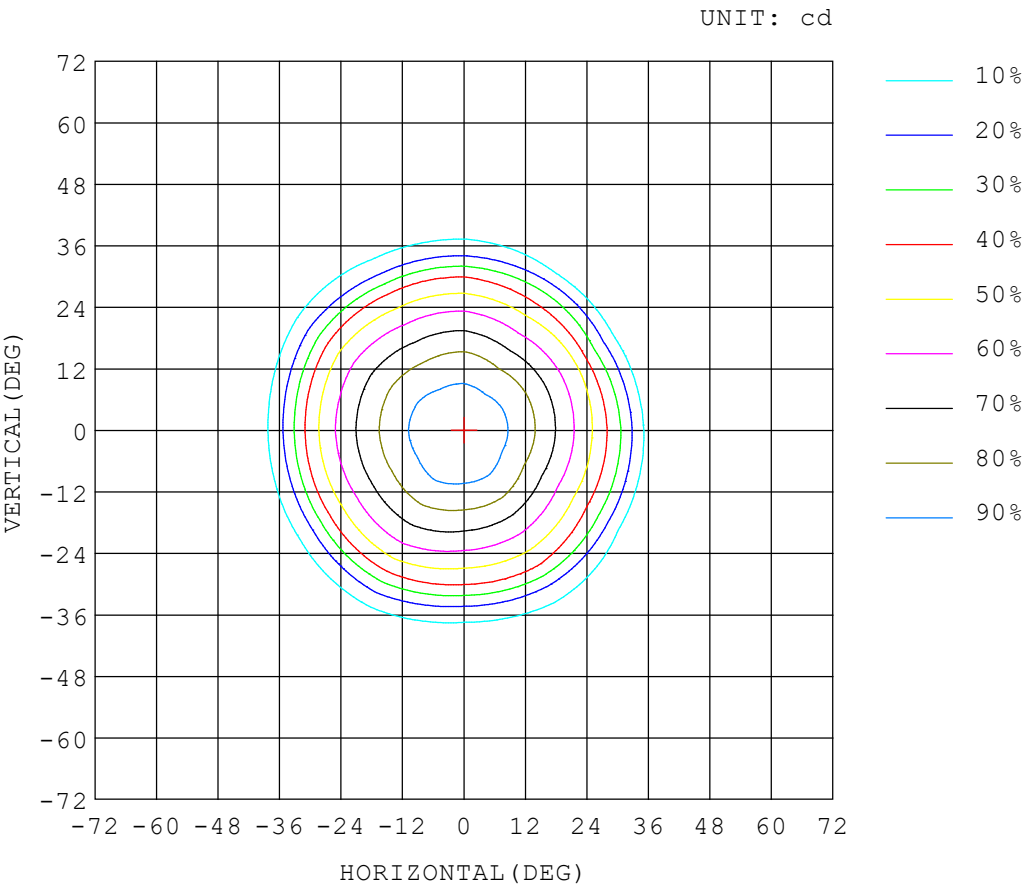
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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Remarks: 4000K

ISOCANDELA DIAGRAM

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SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



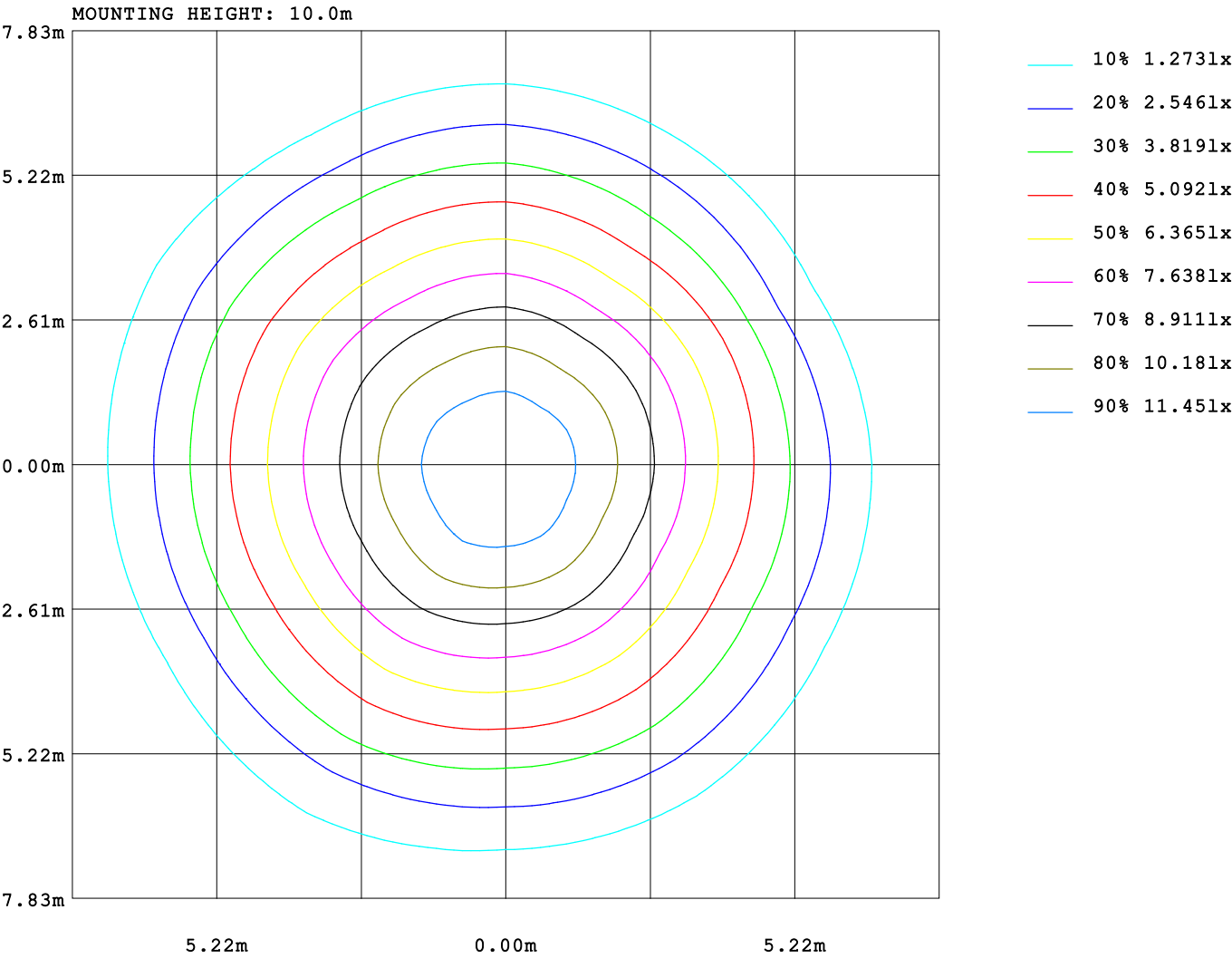
Test System:HOPOO HPG1800
Temperature:25.3DEG
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Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
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Remarks: 4000K

ISOLUX DIAGRAM

Report number:

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NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

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NAME: AMANDEEP

TYPE: 4000K CRI-90

WEIGHT:

SPECIFICATION: OSRAM 250 MA

DIMENSION: D-83 CUTOUT-67 H-53 MM

SERIAL No.:

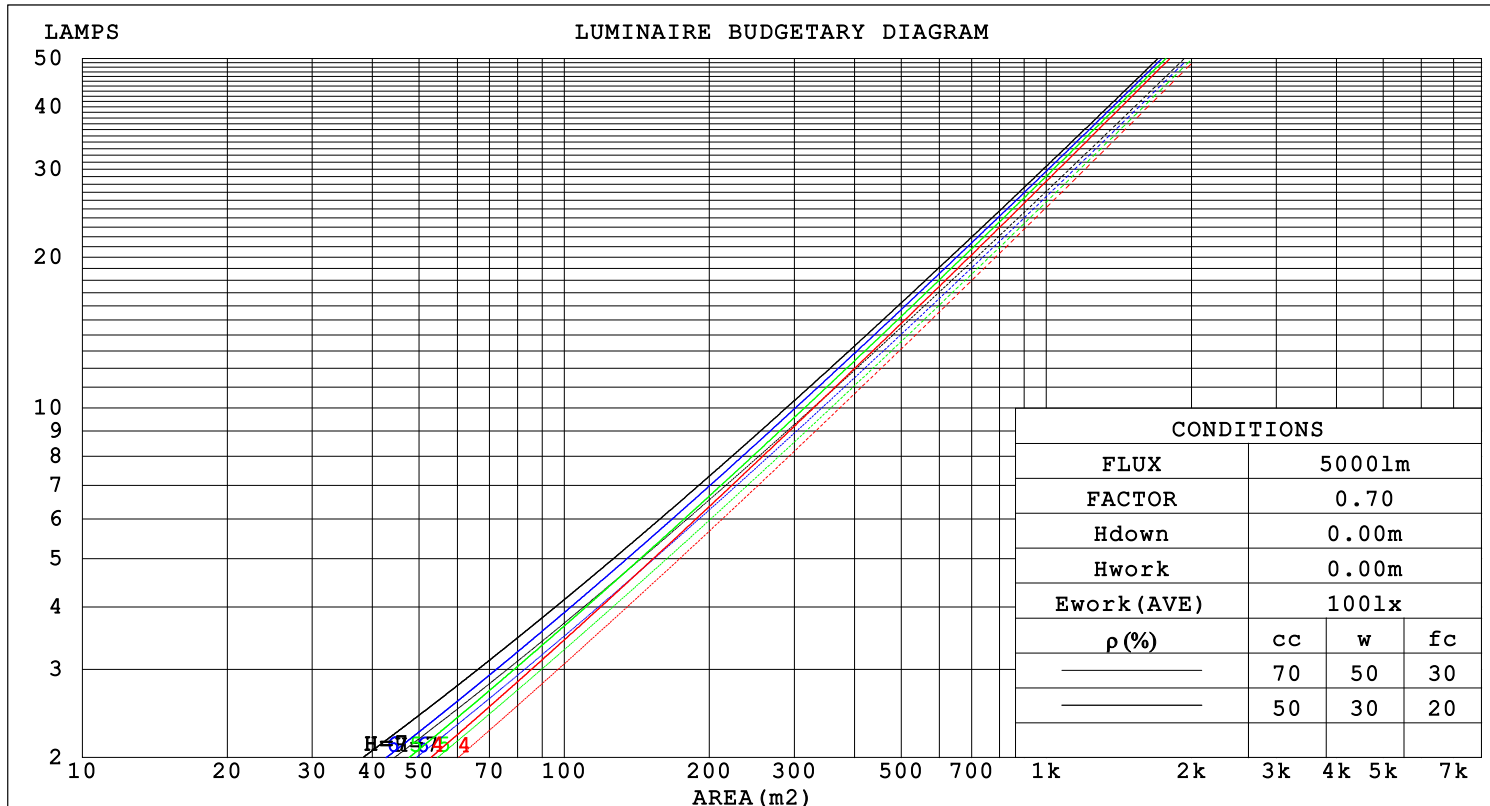
VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	72	64	56	48	40	32	24	16	8	0	8	16	24	32	40	48	56	64	72			
72	0.02	0.03	0.04	0.03	0.02	0.01	0.03	0.05	0.07	0.07	0.05	0.03	0.01	0.02	0.03	0.03	0.03	0.02	0.61	0.00		
64	0.02	0.03	0.04	0.04	0.03	0.02	0.03	0.06	0.10	0.09	0.06	0.03	0.02	0.03	0.04	0.04	0.03	0.02	0.74	0.00		
56	0.02	0.04	0.05	0.05	0.05	0.04	0.06	0.12	0.17	0.17	0.11	0.06	0.04	0.04	0.05	0.05	0.04	0.02	1.17	0.00		
48	0.02	0.04	0.06	0.08	0.10	0.11	0.17	0.34	0.48	0.46	0.29	0.13	0.09	0.08	0.07	0.05	0.04	0.03	2.62	0.00		
40	0.02	0.04	0.07	0.12	0.20	0.41	1.02	2.30	3.37	3.14	1.79	0.67	0.25	0.14	0.09	0.06	0.04	0.03	13.7	7.84		
32	0.02	0.04	0.07	0.17	0.50	1.97	5.46	9.03	10.9	10.5	7.84	3.61	0.87	0.27	0.13	0.08	0.05	0.03	51.7	48.2		
24	0.02	0.04	0.08	0.24	1.29	5.89	11.3	14.7	16.6	16.2	13.4	8.96	2.83	0.54	0.18	0.09	0.05	0.03	92.6	89.9		
16	0.02	0.03	0.08	0.33	2.61	9.30	14.9	18.7	20.8	20.4	17.5	12.8	6.15	1.10	0.24	0.10	0.05	0.03	125	123		
8	0.02	0.03	0.07	0.37	3.57	10.8	16.5	20.9	23.4	23.0	19.9	14.6	8.28	1.87	0.29	0.11	0.06	0.03	144	142		
0	0.02	0.03	0.06	0.33	3.47	10.7	16.4	20.9	23.8	23.3	19.8	14.5	8.41	1.98	0.28	0.11	0.05	0.03	145	143		
-8	0.03	0.04	0.06	0.23	2.34	8.93	14.7	19.0	21.3	20.9	17.7	12.7	6.76	1.33	0.21	0.09	0.04	0.03	127	124		
-16	0.03	0.06	0.06	0.12	0.93	5.51	11.5	15.4	17.0	16.5	14.1	9.75	3.78	0.61	0.12	0.06	0.04	0.02	95.8	93.6		
-24	0.03	0.07	0.07	0.07	0.25	1.89	6.17	9.98	11.4	11.0	8.91	4.77	1.28	0.22	0.06	0.04	0.03	0.02	56.3	53.6		
-32	0.03	0.08	0.10	0.08	0.13	0.42	1.43	2.91	3.75	3.52	2.39	1.09	0.35	0.11	0.04	0.02	0.02	0.02	16.5	11.0		
-40	0.03	0.07	0.14	0.12	0.11	0.18	0.33	0.41	0.41	0.38	0.36	0.27	0.16	0.08	0.03	0.01	0.02	0.02	3.12	0.00		
-48	0.02	0.06	0.12	0.14	0.12	0.13	0.14	0.12	0.09	0.08	0.11	0.13	0.10	0.06	0.03	0.01	0.01	0.01	1.48	0.00		
-56	0.02	0.04	0.07	0.10	0.11	0.10	0.08	0.06	0.03	0.03	0.06	0.07	0.08	0.05	0.03	0.02	0.01	0.01	0.97	0.00		
-64	0.02	0.03	0.05	0.06	0.07	0.07	0.06	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.03	0.02	0.01	0.01	0.73	0.00		
-72																						
	-72	-64	-56	-48	-40	-32	-24	-16	0	8	16	24	32	40	48	56	64	72				
Φ t	0.44	0.81	1.28	2.68	15.9	56.6	101	135	154	150	125	84.5	39.5	8.57	1.95	0.99	0.63	0.43	887			
Φ a	0.00	0.00	0.00	0.00	11.2	53.5	97.9	133	152	148	122	81.4	35.5	2.97	0.00	0.00	0.00	0.00		836		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.000 m
 Remarks: 4000K

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pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{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	1.00														
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94														
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88														
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83														
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.87	.83	.80	.85	.82	.79	.78														
5.0	.86	.81	.77	.86	.80	.77	.84	.79	.76	.82	.78	.75	.81	.77	.75	.73														
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69														
7.0	.77	.72	.68	.77	.71	.68	.75	.71	.67	.74	.70	.67	.73	.69	.67	.65														
8.0	.73	.68	.64	.73	.67	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.62														
9.0	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.67	.63	.60	.58														
10.0	.66	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.64	.60	.57	.55														



Test Set: 5.0deg/s C-Gamma (TYPE C)
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Remarks: 4000K

WEC AND CCEC

Report number:

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NAME: AMANDEEP								TYPE: 4000K CRI-90				WEIGHT:		
SPECIFICATION: OSRAM 250 MA								DIMENSION: D-83 CUTOUT-67 H-53 MM				SERIAL No.:		

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	.172	.098	.031	.165	.094	.030	.153	.088	.028	.141	.081	.026	.131	.076	.024	
2.0	.162	.089	.027	.157	.086	.027	.146	.081	.025	.137	.077	.024	.128	.072	.023	
3.0	.154	.082	.024	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021	
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.120	.065	.020	
5.0	.139	.071	.020	.135	.069	.020	.129	.067	.020	.122	.065	.019	.117	.062	.019	
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.118	.061	.018	.113	.059	.018	
7.0	.127	.063	.018	.124	.062	.018	.119	.060	.017	.114	.058	.017	.109	.057	.017	
8.0	.121	.059	.017	.119	.058	.017	.114	.057	.016	.110	.056	.016	.106	.054	.016	
9.0	.116	.056	.016	.114	.056	.016	.110	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.103	.051	.014	.099	.050	.014	

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	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.064	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.055	.033	.017	.032	.019	.010	.010	.006	.003	

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Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

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	1.0	1.9	1.3	2.1	2.3	4.2	5.1	4.4	5.3	5.4
3H	1.1	1.9	1.3	2.1	2.3	4.1	4.9	4.3	5.1	5.3
4H	1.2	2.0	1.5	2.2	2.5	4.0	4.8	4.3	5.0	5.2
6H	1.6	2.3	1.9	2.6	2.8	4.0	4.7	4.3	4.9	5.2
8H	1.9	2.6	2.2	2.8	3.1	4.0	4.6	4.3	4.9	5.2
12H	2.3	3.0	2.6	3.3	3.5	3.9	4.6	4.3	4.9	5.1
4H 2H	0.8	1.6	1.1	1.8	2.1	4.0	4.8	4.3	5.0	5.2
3H	0.9	1.6	1.2	1.8	2.1	3.9	4.6	4.2	4.9	5.1
4H	1.1	1.7	1.4	2.0	2.3	3.9	4.5	4.3	4.8	5.1
6H	1.6	2.1	1.9	2.4	2.8	3.9	4.5	4.3	4.8	5.1
8H	2.0	2.5	2.4	2.8	3.2	3.9	4.4	4.3	4.8	5.2
12H	2.6	3.1	3.1	3.5	3.9	4.0	4.4	4.4	4.8	5.2
8H 4H	1.1	1.6	1.5	1.9	2.3	3.8	4.3	4.2	4.7	5.1
6H	1.6	2.0	2.0	2.4	2.8	4.0	4.4	4.4	4.8	5.2
8H	2.1	2.4	2.5	2.9	3.3	4.1	4.5	4.6	4.9	5.4
12H	2.9	3.2	3.4	3.7	4.1	4.3	4.6	4.8	5.1	5.5
12H 4H	1.1	1.6	1.5	1.9	2.3	3.8	4.3	4.2	4.6	5.0
6H	1.7	2.0	2.1	2.4	2.9	4.0	4.4	4.4	4.8	5.2
8H	2.2	2.5	2.6	2.9	3.4	4.2	4.5	4.7	5.0	5.4

Variations with the observer position at spacings:

S = 1.0H	+ 1.4 / - 1.0	+ 1.5 / - 1.6
1.5H	+ 2.7 / - 1.3	+ 3.2 / - 1.8
2.0H	+ 1.9 / - 0.8	+ 0.7 / - 0.7

CIE Pub.117 Corrected 886.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.4)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	83	80	88	83	80	77
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	109	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

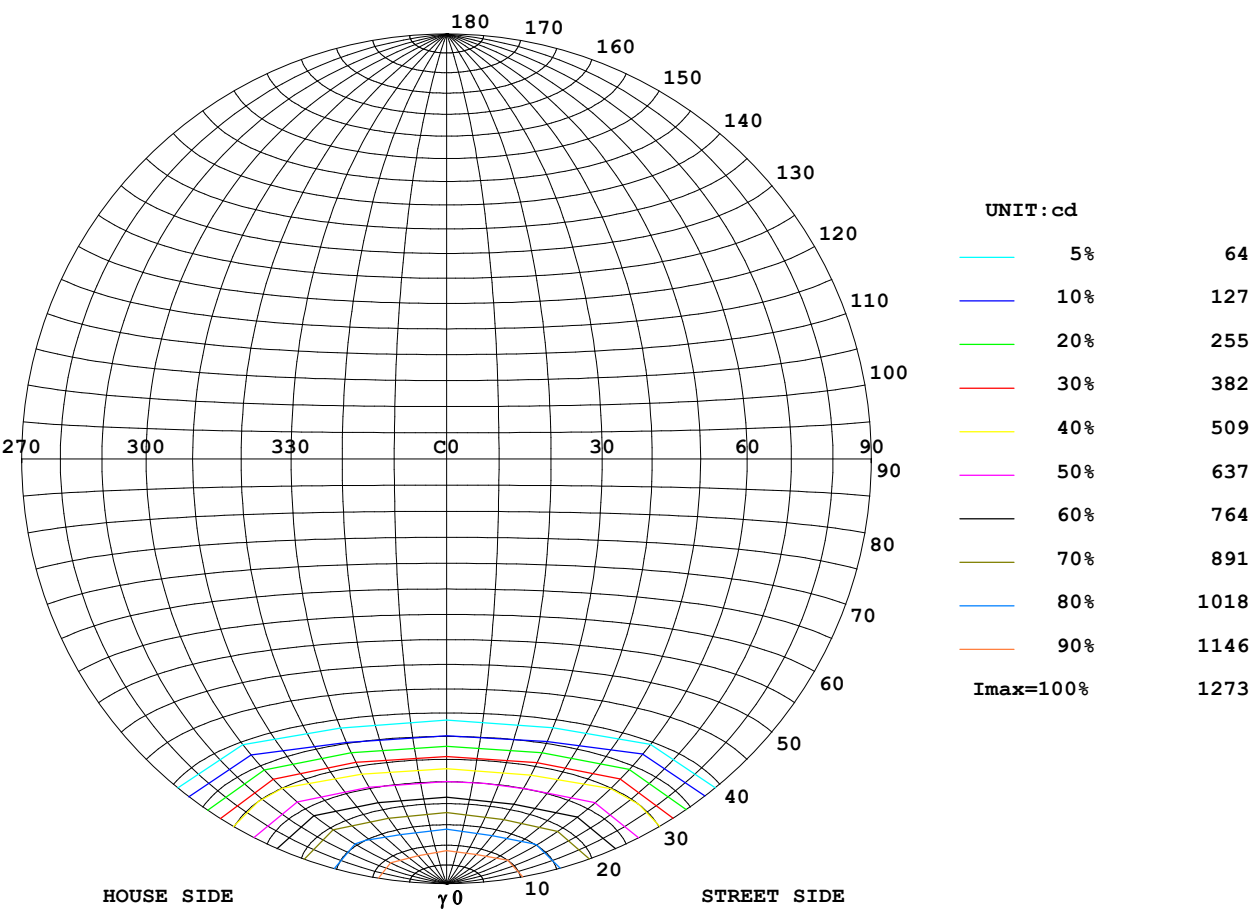
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.000 m
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

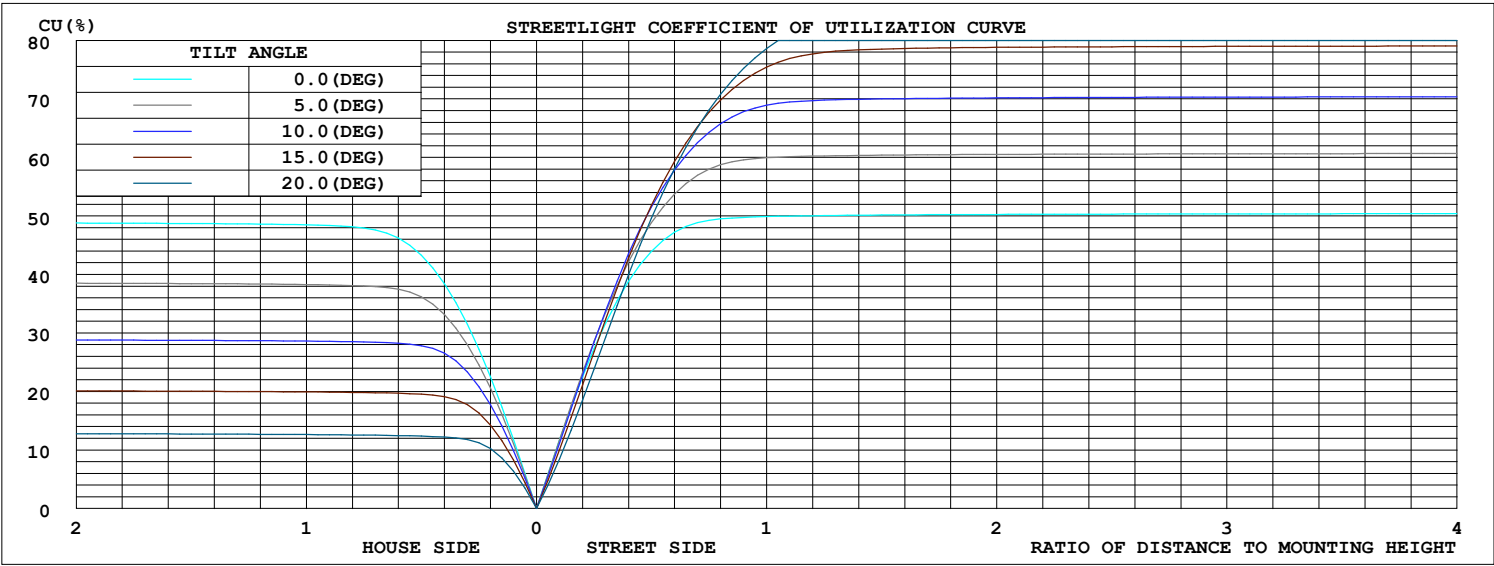
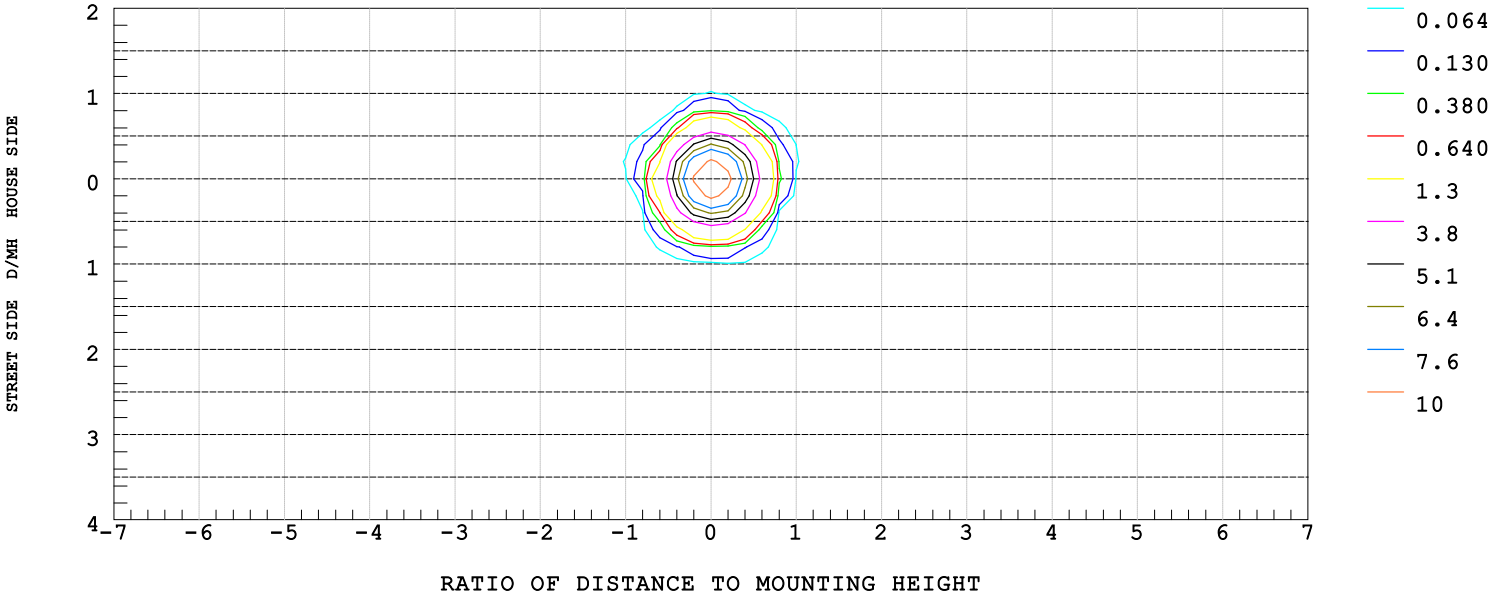
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 12.73 lx



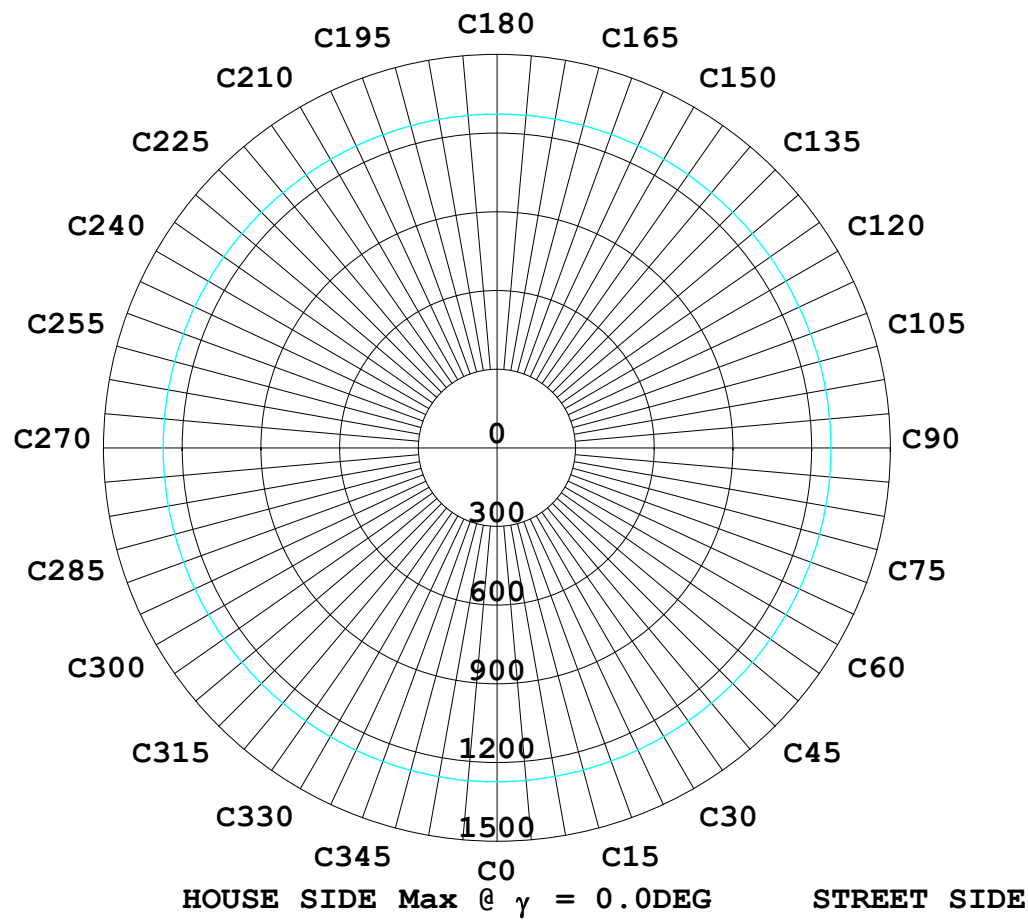
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1273	1270	1272	1273	1271	1271	1273	1270	1272	1273	1271	1271
5.0	1217	1221	1241	1247	1256	1250	1250	1244	1225	1224	1209	1218
10.0	1118	1114	1146	1154	1173	1156	1163	1155	1131	1128	1108	1117
15.0	990	979	1021	1035	1065	1049	1059	1057	1028	1028	989	996
20.0	817	808	859	881	924	912	925	923	878	874	819	824
25.0	639	634	693	711	763	747	766	765	714	703	647	651
30.0	418	426	504	515	571	550	570	580	515	505	434	362
35.0	130	135	204	215	279	246	268	283	204	195	132	76.7
40.0	34.6	27.7	48.3	37.3	60.6	34.0	50.7	64.2	38.1	47.1	27.2	29.4
45.0	16.4	8.01	19.8	11.3	25.0	7.85	15.9	25.8	11.9	19.3	7.85	15.4
50.0	10.6	3.40	10.7	3.64	11.7	4.61	5.75	12.2	3.88	10.9	3.56	8.74
55.0	7.93	2.10	7.77	2.02	8.42	4.45	3.96	8.66	2.34	8.01	2.26	6.48
60.0	5.58	0.81	5.34	0.65	5.83	10.2	2.67	5.75	0.57	5.26	0.57	5.26
65.0	4.77	0.73	4.53	0.57	4.94	13.2	2.67	4.77	0.57	4.45	0.57	4.29
70.0	4.29	0.81	3.96	0.65	4.29	7.85	2.59	4.21	0.65	3.96	0.57	3.72
75.0	3.80	0.89	3.56	0.73	3.80	4.29	2.51	3.72	0.57	3.48	0.57	3.32
80.0	3.48	0.97	3.24	0.81	3.40	2.67	2.59	3.24	0.65	3.07	0.65	2.91
85.0	3.15	1.05	2.91	0.81	3.07	1.78	2.51	2.99	0.65	2.83	0.73	2.67
90.0	2.91	1.45	2.67	1.13	2.75	1.53	3.48	2.59	0.97	2.43	0.89	2.34

Test System:HOPOO HPG1800
Temperature:25.3DEG
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
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