

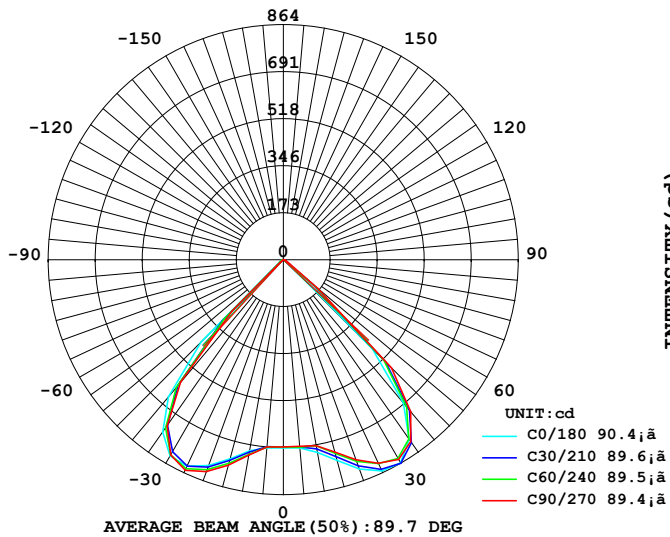
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

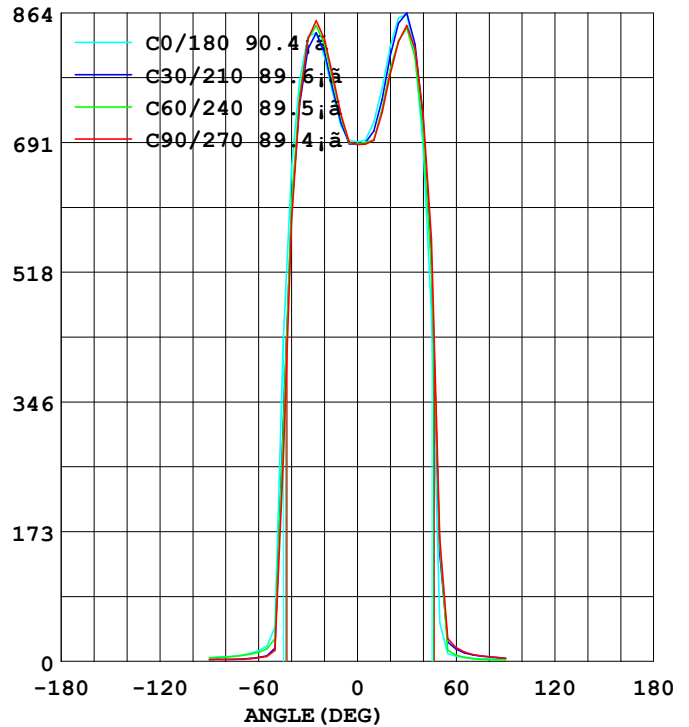
MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	869.9	S/MH (C0/180)	1.38
MODEL	AMANDEEP	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER (W)	15	TOTAL FLUX (lm)	1502.2	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	96.9	Current (A)	0.072
NOMINAL FLUX (lm)	1502.3	η up (%)	0.0	Power (W)	15.50
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.975
TEST VOLTAGE (V)	219.7	Effective Flux (lm)	1461.0	EEI	0.145

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:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

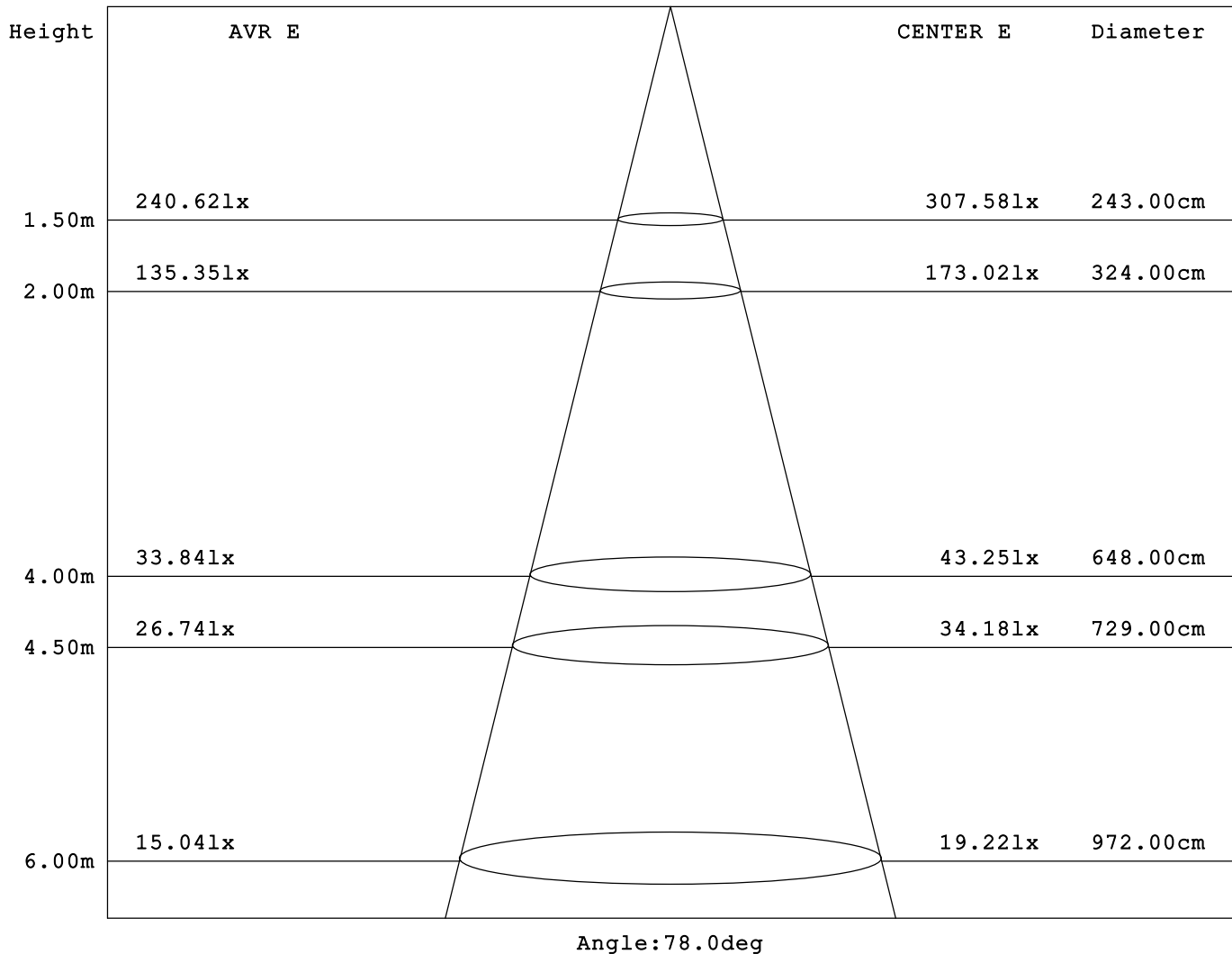
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

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:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 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	713.5	721.9	729.3	728.3	718.6	700.4	694.3	695.2	0- 10	66.72	66.72
20.0	804.8	816.4	828.4	832.2	818.5	797.5	781.9	783.6	10- 20	216.1	282.8
30.0	832.3	822.1	829.1	854.1	862.3	853.8	847.3	831.7	20- 30	386.1	669.0
40.0	657.7	606.6	587.3	640.9	686.5	713.7	729.4	697.7	30- 40	481.2	1150
50.0	46.00	24.17	14.58	28.71	51.59	149.4	164.3	141.3	40- 50	307.1	1457
60.0	14.09	8.747	4.779	8.950	6.966	12.23	18.38	12.15	50- 60	27.32	1485
70.0	8.505	5.508	2.916	5.467	4.212	6.196	9.315	6.318	60- 70	7.947	1493
80.0	6.318	4.212	2.430	4.050	3.483	4.252	6.075	4.090	70- 80	5.321	1498
90.0	5.103	3.402	2.430	3.402	3.969	2.997	3.969	2.835	80- 90	4.224	1502
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
Remarks: 4000K

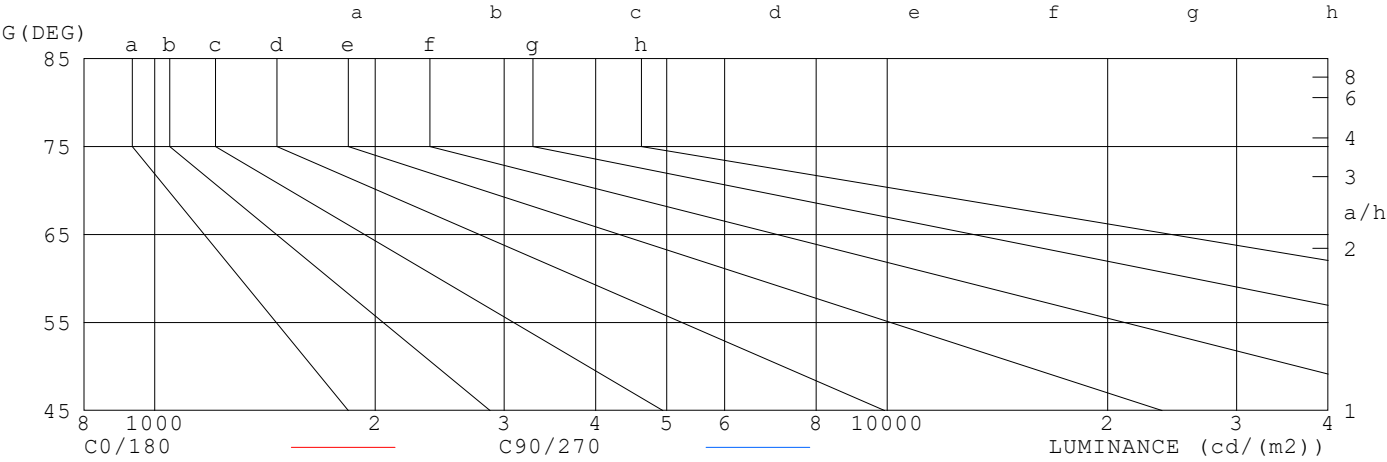
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	641	307
80	364	140
75	275	103
70	249	85
65	253	86
60	282	96
55	350	117
50	716	227
45	6048	3784

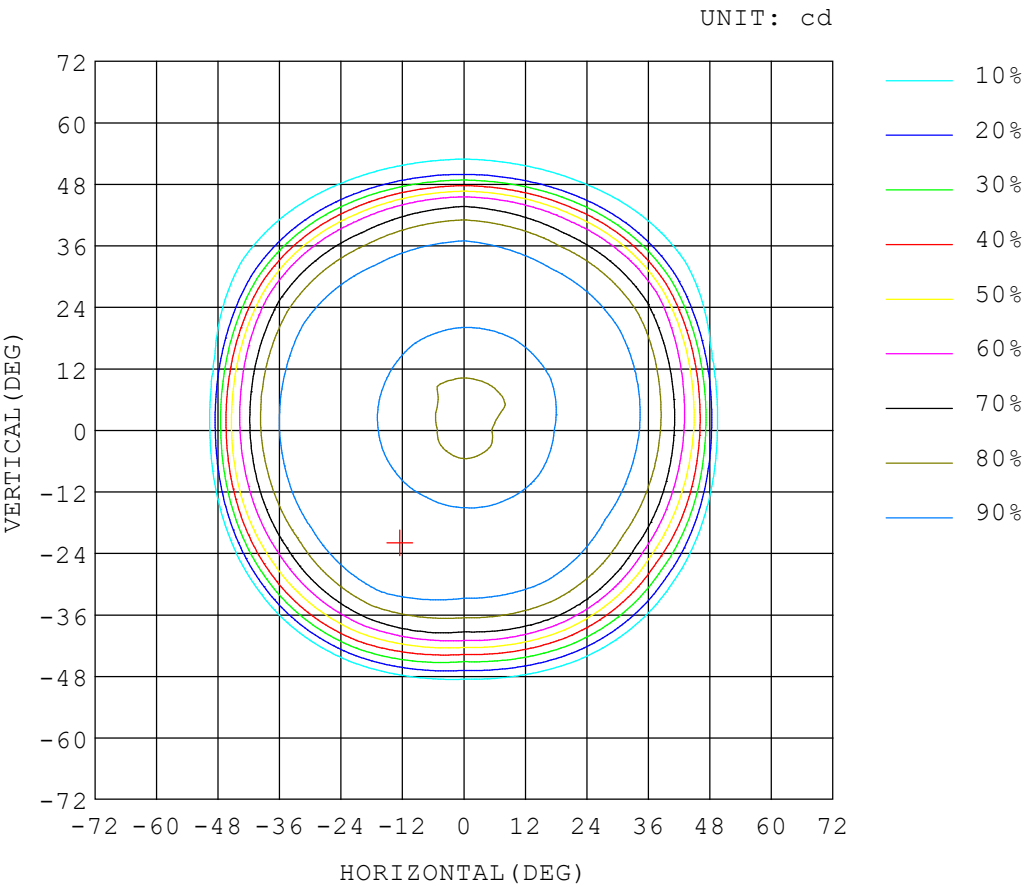
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

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 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



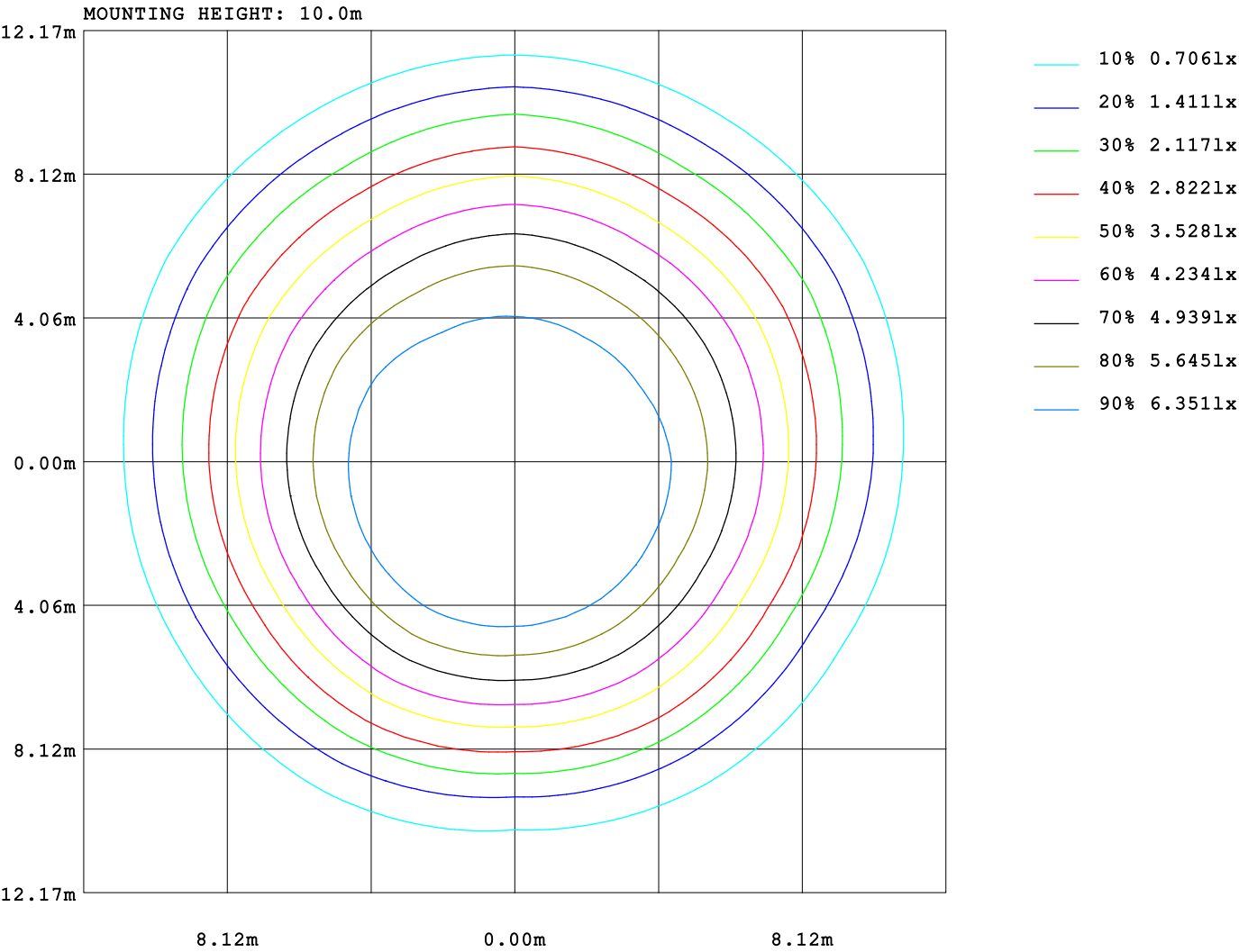
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

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

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 350 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:

MANUFACTURER:																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: AMANDEEP										TYPE: 4000K CRI-90					WEIGHT:				
SPECIFICATION: OSRAM 350 MA										DIMENSION: D-83 CUTOUT-67 H-53 MM					SERIAL No.:				

72	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.04	0.06	0.07	0.07	0.07	0.07	0.10	0.15	0.19	0.19	0.15	0.10	0.07	0.07	0.07	0.07	0.06	0.04	1.63	0.00		
64	0.04	0.07	0.09	0.10	0.11	0.11	0.17	0.26	0.35	0.35	0.26	0.17	0.11	0.11	0.10	0.09	0.07	0.05	2.60	0.00		
56	0.04	0.07	0.12	0.15	0.19	0.31	0.86	1.63	2.28	2.27	1.59	0.82	0.29	0.19	0.15	0.12	0.08	0.05	11.2	6.97		
48	0.04	0.08	0.15	0.24	0.77	2.84	6.25	9.18	10.7	10.7	9.11	6.12	2.72	0.74	0.24	0.15	0.09	0.05	60.3	57.8		
40	0.04	0.09	0.18	0.72	3.74	9.01	12.3	14.3	15.2	15.2	14.1	12.1	8.86	3.63	0.69	0.20	0.11	0.06	111	109		
32	0.04	0.09	0.25	2.17	8.33	12.5	14.8	15.8	16.2	16.1	15.6	14.5	12.2	8.17	2.10	0.28	0.12	0.06	140	138		
24	0.04	0.09	0.43	4.42	10.7	14.1	15.4	15.5	15.2	15.2	15.3	15.1	13.6	10.4	4.26	0.45	0.13	0.07	151	150		
VERTICAL (DEG)	0.04	0.09	0.59	6.14	11.8	14.6	15.2	14.5	13.9	13.9	14.3	14.8	14.1	11.4	5.86	0.60	0.14	0.07	153	151		
	0.04	0.08	0.70	6.85	12.2	14.7	14.9	14.0	13.4	13.4	13.8	14.6	14.2	11.7	6.47	0.69	0.14	0.07	152	151		
	0.03	0.07	0.60	6.62	12.0	14.7	15.0	14.3	13.6	13.6	14.1	14.7	14.2	11.5	6.15	0.59	0.14	0.07	152	151		
	0.03	0.06	0.34	5.44	11.3	14.4	15.5	15.2	14.7	14.6	15.0	15.1	13.8	10.7	4.89	0.35	0.12	0.06	152	151		
	0.03	0.06	0.18	3.28	9.59	13.5	15.6	16.2	16.1	16.0	15.9	15.1	12.9	8.88	2.79	0.21	0.10	0.05	147	146		
	0.03	0.05	0.10	0.97	6.42	11.4	14.4	15.9	16.3	16.1	15.5	13.9	10.7	5.49	0.80	0.13	0.08	0.05	129	128		
	0.03	0.04	0.07	0.16	1.90	6.79	10.8	13.0	13.7	13.6	12.6	10.1	5.94	1.55	0.15	0.08	0.06	0.04	90.8	89.7		
	0.02	0.03	0.05	0.10	0.25	1.17	3.62	5.75	6.63	6.48	5.33	3.15	1.00	0.22	0.10	0.06	0.05	0.04	34.0	31.8		
	0.02	0.03	0.05	0.09	0.15	0.26	0.34	0.39	0.48	0.47	0.36	0.31	0.24	0.15	0.09	0.05	0.04	0.03	3.54	0.30		
	0.02	0.03	0.04	0.07	0.12	0.17	0.18	0.16	0.12	0.12	0.15	0.18	0.17	0.12	0.07	0.04	0.03	0.03	1.82	0.00		
-24	0.02	0.02	0.04	0.06	0.10	0.13	0.12	0.10	0.08	0.08	0.10	0.12	0.13	0.10	0.07	0.04	0.03	0.03	1.36	0.00		
-32																						
-40																						
-48																						
-56																						
-64																						
-72																						
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)					16	24	32	40	48	56	64	72	
Φ t	0.60	1.11	4.04	37.6	89.9	131	156	167	170	169	164	151	126	85.3	35.0	4.19	1.57	0.91	1502			
Φ a	0.00	0.00	0.93	35.5	88.1	130	154	165	168	167	162	150	124	83.5	32.8	0.69	0.00	0.00		1461		

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

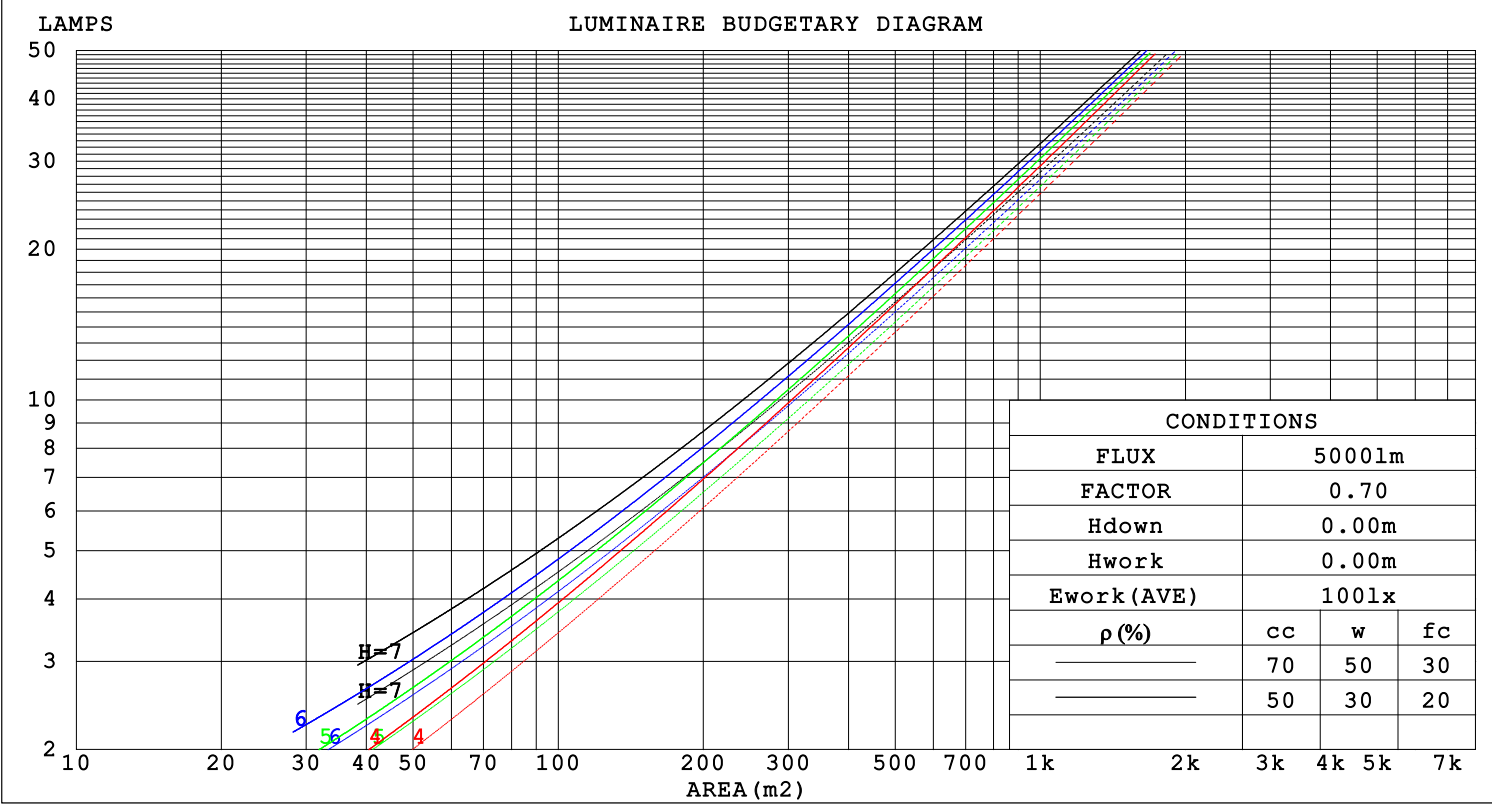
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: AMANDEEP								TYPE: 4000K CRI-90				WEIGHT:			
SPECIFICATION: OSRAM 350 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
pf _c	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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.91	.85	.80	.90	.84	.80	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.83	.77	.72	.82	.76	.71	.80	.74	.70	.78	.73	.69	.76	.72	.69	.67
5.0	.76	.69	.64	.75	.69	.64	.73	.68	.63	.72	.67	.63	.70	.66	.62	.60
6.0	.70	.63	.58	.69	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.56	.54
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.58	.51	.47	.56	.51	.47	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.42	.41
10.0	.51	.44	.39	.50	.44	.39	.49	.43	.39	.49	.43	.39	.48	.43	.39	.37



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

WEC AND CCEC

Report number:

MANUFACTURER:														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: AMANDEEP							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION: OSRAM 350 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
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.209	.119	.038	.202	.115	.037	.190	.109	.035	.178	.103	.033	.167	.097	.031	
2.0	.203	.111	.034	.197	.109	.033	.186	.104	.032	.176	.099	.031	.167	.095	.030	
3.0	.195	.104	.031	.190	.102	.031	.181	.098	.030	.172	.094	.029	.164	.091	.028	
4.0	.187	.097	.029	.182	.095	.028	.174	.092	.028	.166	.089	.027	.159	.086	.026	
5.0	.178	.091	.026	.174	.090	.026	.167	.087	.026	.160	.085	.025	.154	.082	.025	
6.0	.170	.085	.024	.167	.084	.024	.160	.082	.024	.154	.080	.024	.148	.078	.023	
7.0	.162	.080	.023	.159	.079	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.138	.071	.021	
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.137	.068	.020	.132	.067	.019	
10.0	.142	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.019	.127	.064	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	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	.173	.157	.142	.148	.135	.122	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.040	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

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

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 350 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	14.6	15.8	14.8	15.9	16.1	13.9	15.0	14.1	15.2	15.4
	3H	14.4	15.5	14.7	15.7	15.9	13.7	14.8	14.0	15.0	15.2
	4H	14.3	15.3	14.6	15.6	15.8	13.6	14.6	13.9	14.8	15.1
	6H	14.3	15.2	14.6	15.4	15.7	13.5	14.4	13.8	14.7	15.0
	8H	14.2	15.1	14.5	15.4	15.7	13.5	14.4	13.8	14.6	14.9
	12H	14.2	15.1	14.5	15.3	15.6	13.4	14.3	13.8	14.6	14.9
4H	2H	14.3	15.3	14.6	15.5	15.8	13.6	14.6	13.9	14.8	15.1
	3H	14.1	15.0	14.5	15.3	15.6	13.4	14.3	13.7	14.6	14.8
	4H	14.1	14.8	14.4	15.1	15.5	13.3	14.1	13.7	14.4	14.7
	6H	14.0	14.7	14.4	15.0	15.4	13.3	13.9	13.6	14.3	14.6
	8H	14.0	14.6	14.4	15.0	15.3	13.2	13.9	13.6	14.2	14.6
	12H	14.0	14.6	14.4	14.9	15.3	13.2	13.8	13.6	14.2	14.6
8H	4H	13.9	14.5	14.3	14.9	15.3	13.2	13.8	13.6	14.2	14.6
	6H	13.9	14.4	14.3	14.8	15.2	13.2	13.7	13.6	14.1	14.5
	8H	13.9	14.3	14.3	14.7	15.2	13.2	13.6	13.6	14.0	14.5
	12H	13.9	14.3	14.4	14.7	15.2	13.2	13.6	13.6	14.0	14.5
12H	4H	13.9	14.5	14.3	14.8	15.2	13.2	13.7	13.6	14.1	14.5
	6H	13.8	14.3	14.3	14.7	15.1	13.1	13.6	13.6	14.0	14.4
	8H	13.8	14.2	14.3	14.7	15.1	13.1	13.5	13.6	14.0	14.4
Variations with the observer position at spacings:											
S = 1.0H		+ 2.6 / -11.3					+ 2.6 / -11.4				
1.5H		+ 4.9 / -12.1					+ 5.2 / -11.7				
2.0H		+11.1 / - 5.9					+10.1 / - 4.0				

CIE Pub.117 Corrected 1502 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

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 350 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) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	64	76	68	64	75	68	63	59
0.80	86	78	73	85	78	73	84	77	73	68
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	91	100	95	91	98	93	90	85
2.00	106	100	97	104	99	96	101	97	94	89
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	104	102	94
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

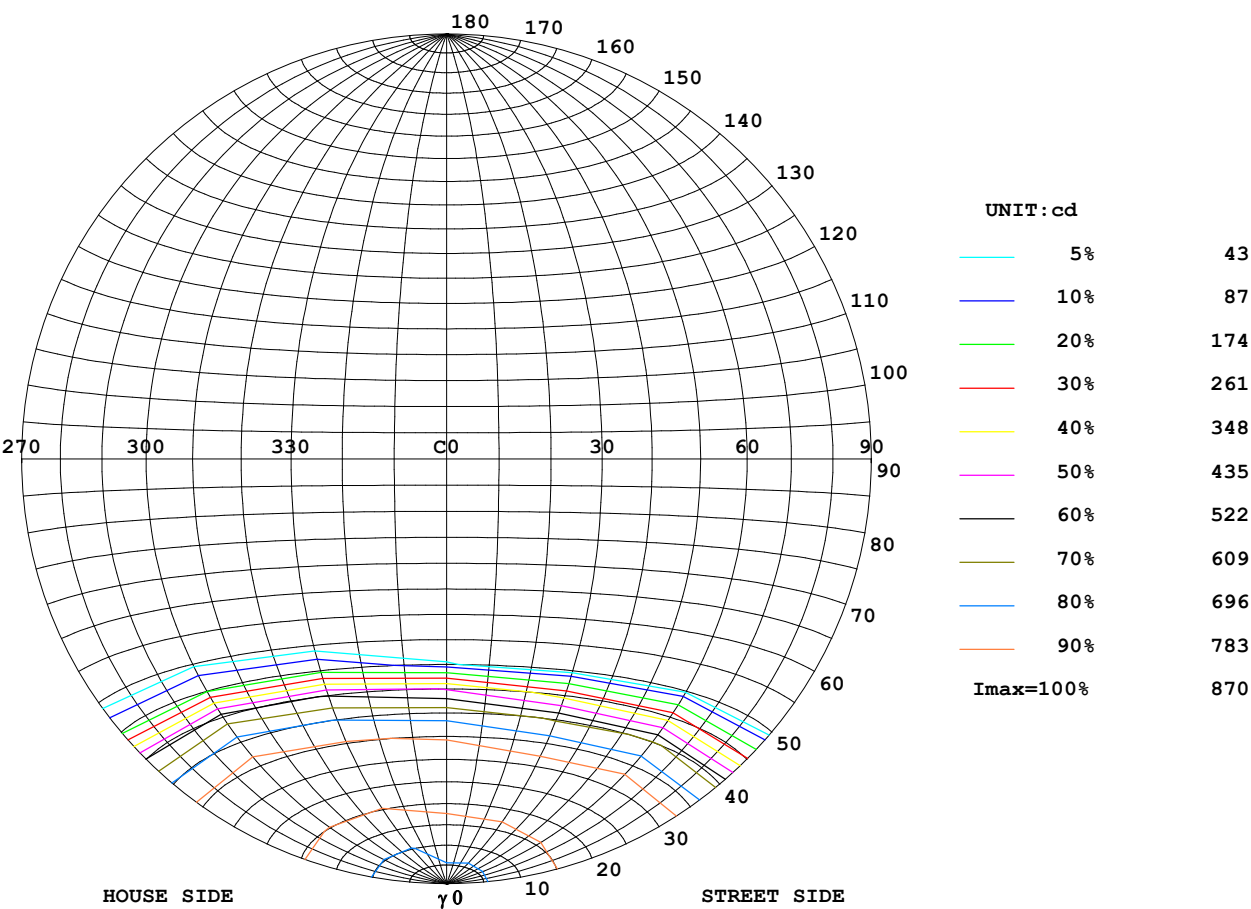
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-15-2025

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 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



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

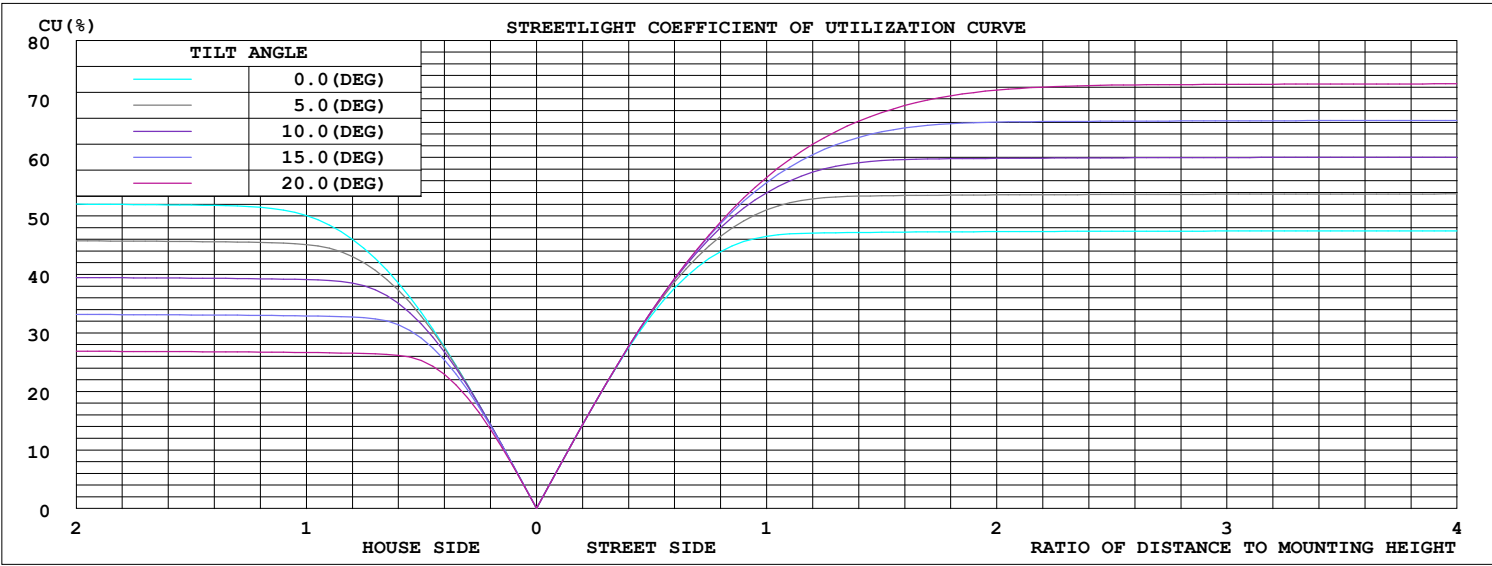
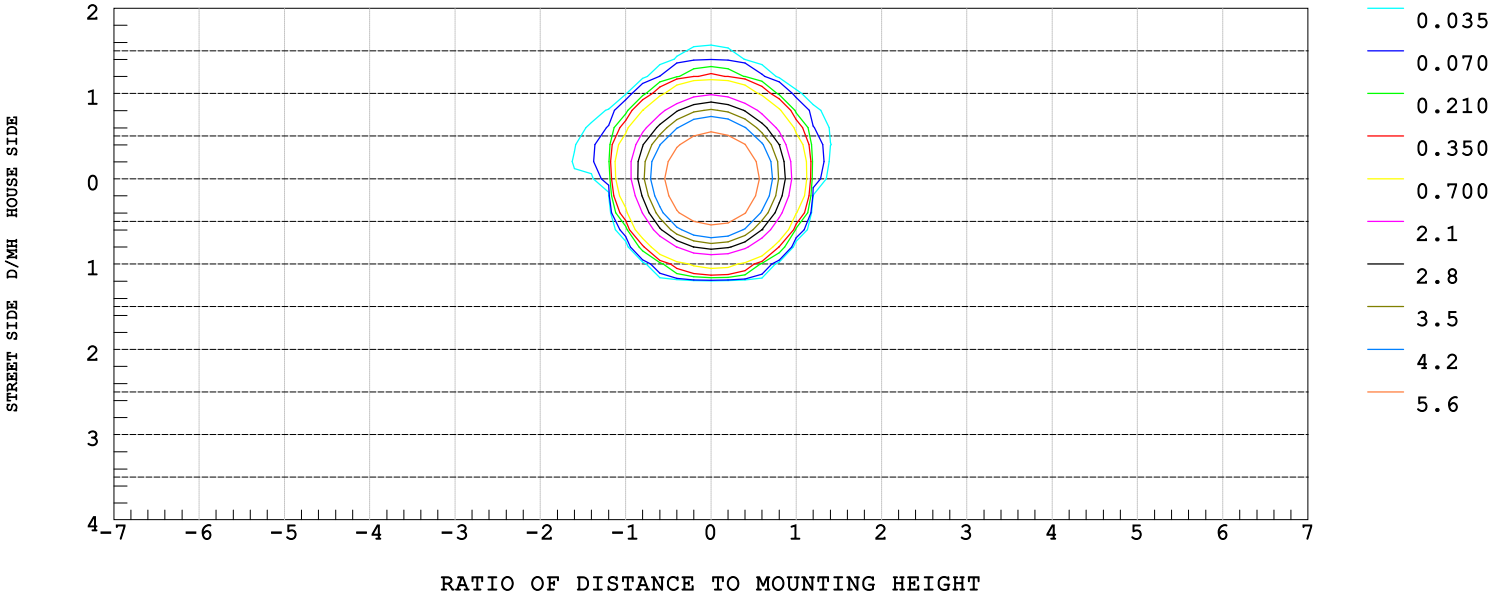
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 4000K

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 350 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 6.92 lx



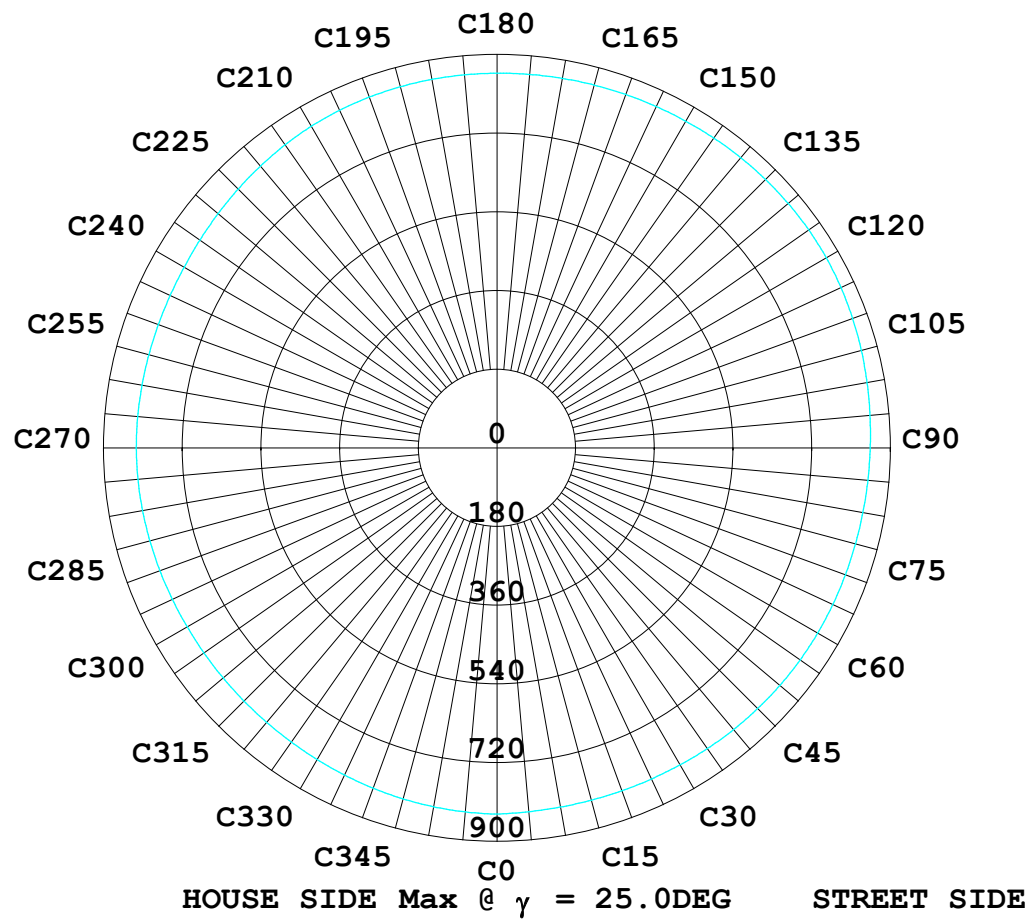
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

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 350 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 350 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	692	689	689	689	689	689	692	689	689	689	689	689
5.0	694	689	691	691	693	693	695	691	692	689	689	690
10.0	714	718	726	729	730	727	719	706	695	694	694	696
15.0	758	764	775	782	783	775	764	749	736	731	733	738
20.0	805	811	822	828	835	829	819	806	789	782	781	786
25.0	838	837	847	853	870	863	857	850	827	825	819	823
30.0	832	816	829	829	857	852	862	864	844	847	830	833
35.0	774	742	755	745	785	781	806	822	804	816	790	794
40.0	658	602	611	587	642	640	687	722	705	729	694	702
45.0	428	317	307	268	361	397	463	532	523	563	518	525
50.0	46.0	17.9	30.4	14.5	34.5	22.8	51.5	143	156	164	145	137
55.0	20.0	7.37	16.8	6.72	17.8	7.77	10.4	25.7	15.0	30.4	14.4	24.9
60.0	14.0	5.18	12.3	4.77	12.7	5.18	6.96	16.2	8.26	18.3	8.10	16.2
65.0	10.6	3.88	9.55	3.64	9.71	3.80	5.26	11.4	5.18	12.6	5.18	11.5
70.0	8.50	3.24	7.77	2.91	7.85	3.07	4.21	8.91	3.48	9.31	3.64	8.99
75.0	7.12	2.83	6.64	2.67	6.64	2.59	3.72	7.12	2.67	7.37	2.59	7.12
80.0	6.31	2.59	5.83	2.43	5.75	2.34	3.48	6.07	2.43	6.07	2.26	5.91
85.0	5.58	2.91	5.50	2.67	5.50	2.67	3.24	5.18	1.94	4.94	1.78	4.86
90.0	5.10	2.51	4.29	2.43	4.45	2.34	3.96	4.13	1.86	3.96	1.78	3.88

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