

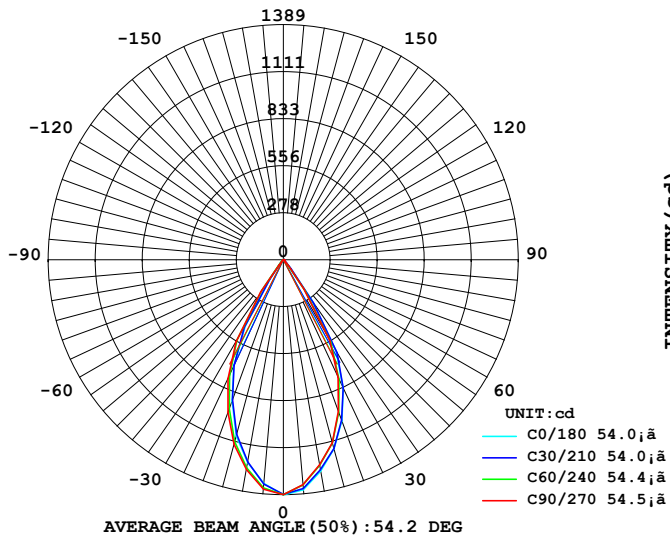
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

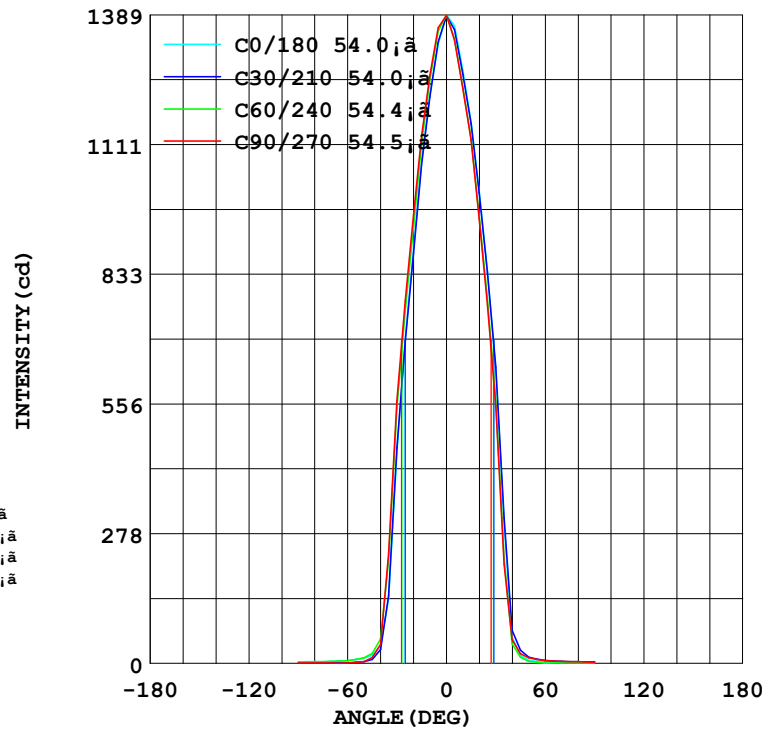
MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: AMANDEEP	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1389	S/MH (C0/180)	0.77
MODEL	AMANDEEP	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.82
NOMINAL POWER (W)	7	TOTAL FLUX (lm)	967.53	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	128.2	Current (A)	0.034
NOMINAL FLUX (lm)	967.5	η up (%)	0.0	Power (W)	7.550
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.983
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	912.0	EEI	0.106

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: 9.400 m
 Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

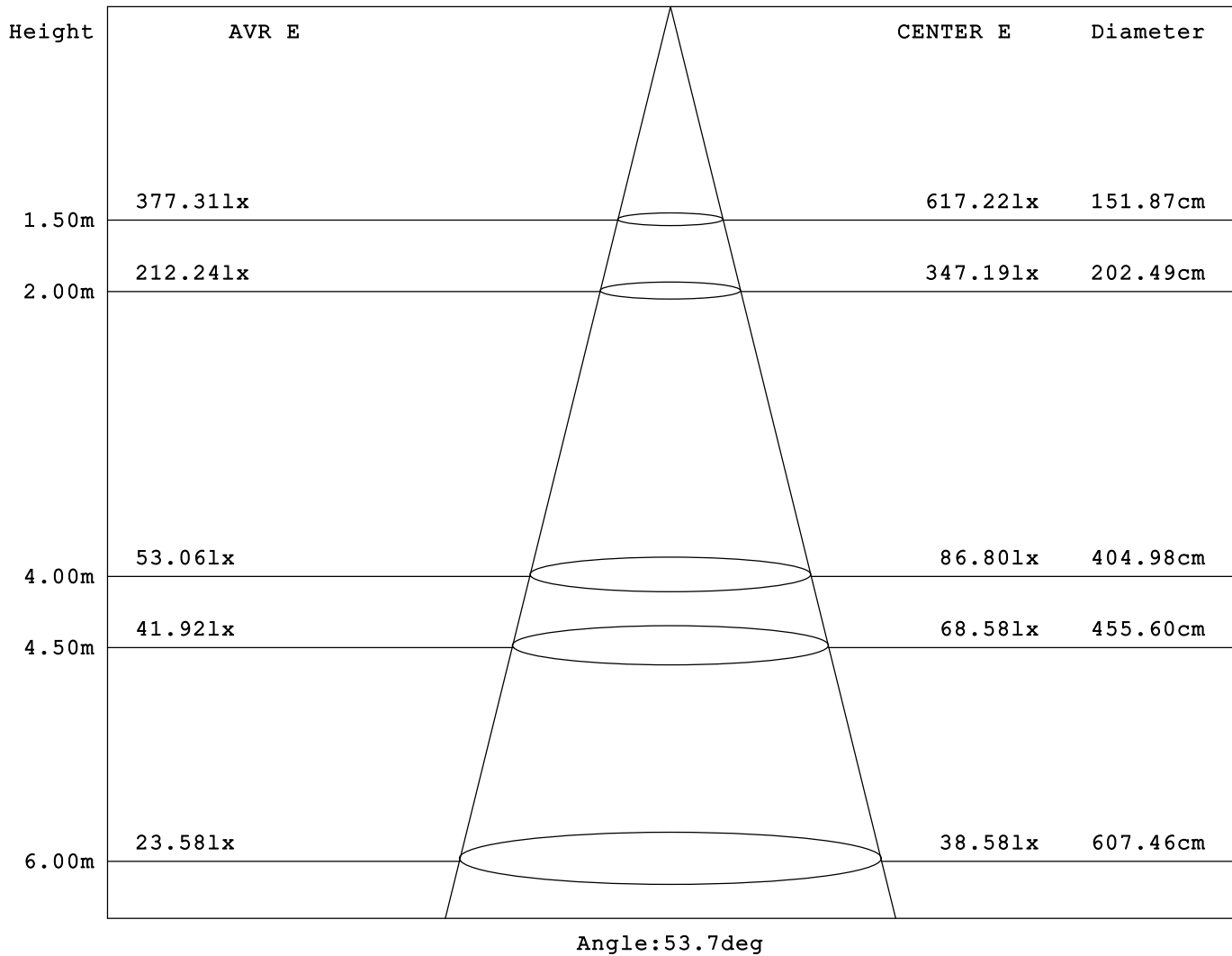
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.400 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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:9.400 m
 Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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	1218	1231	1259	1272	1270	1248	1231	1213	0- 10	125.2	125.2
20.0	888.9	907.1	960.7	1003	1012	983.9	952.9	894.0	10- 20	310.2	435.5
30.0	451.8	504.8	562.4	614.0	625.5	598.9	551.1	429.2	20- 30	345.3	780.8
40.0	37.19	41.17	40.64	52.26	56.63	56.50	51.24	30.61	30- 40	154.9	935.8
50.0	11.57	7.731	3.976	9.012	6.273	8.747	11.92	6.671	40- 50	16.60	952.4
60.0	6.008	3.313	0.707	8.703	2.915	3.490	5.743	3.092	50- 60	5.409	957.8
70.0	4.594	2.606	0.795	6.626	2.827	2.606	4.329	2.385	60- 70	4.016	961.9
80.0	3.799	2.253	0.884	3.357	2.739	2.209	3.446	1.943	70- 80	3.070	964.9
90.0	3.092	2.164	1.325	2.341	3.711	1.988	2.562	1.767	80- 90	2.566	967.5
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

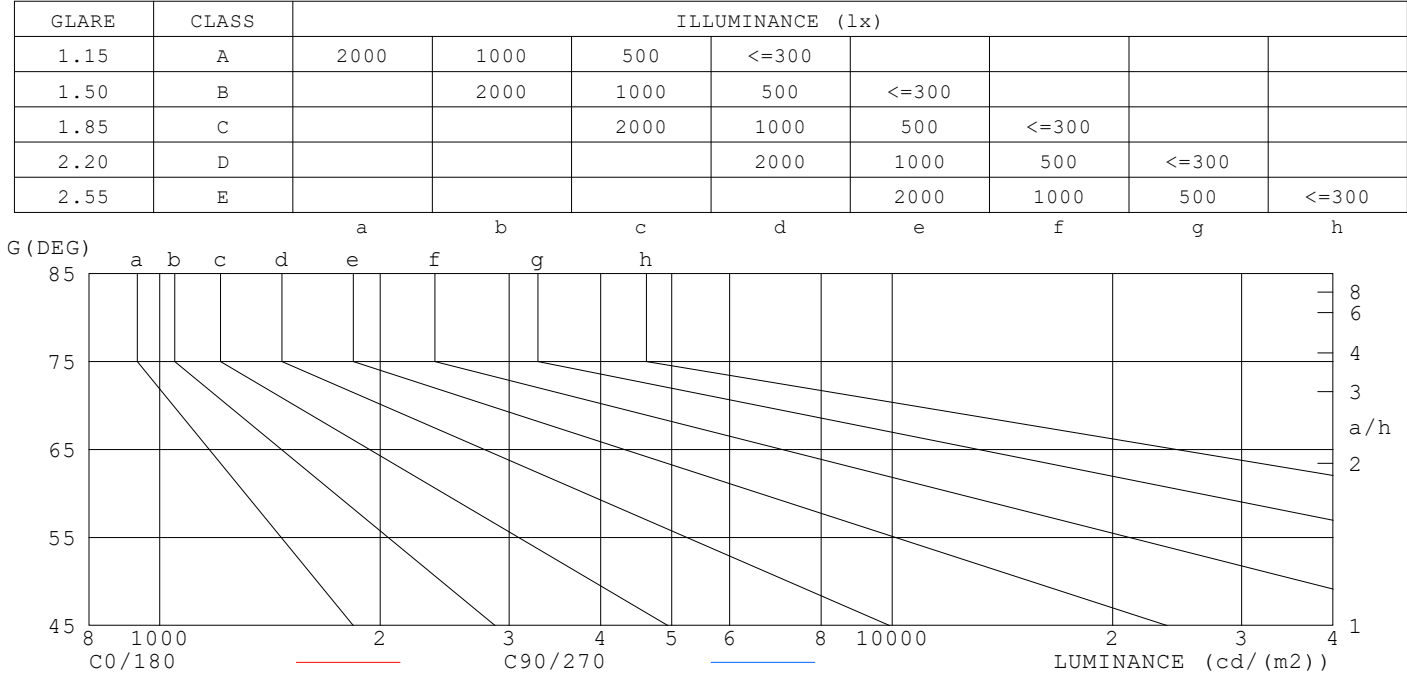
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.400 m
Remarks: 5700K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	395	101
80	219	51
75	157	27
70	134	23
65	123	15
60	120	14
55	151	37
50	180	62
45	251	175

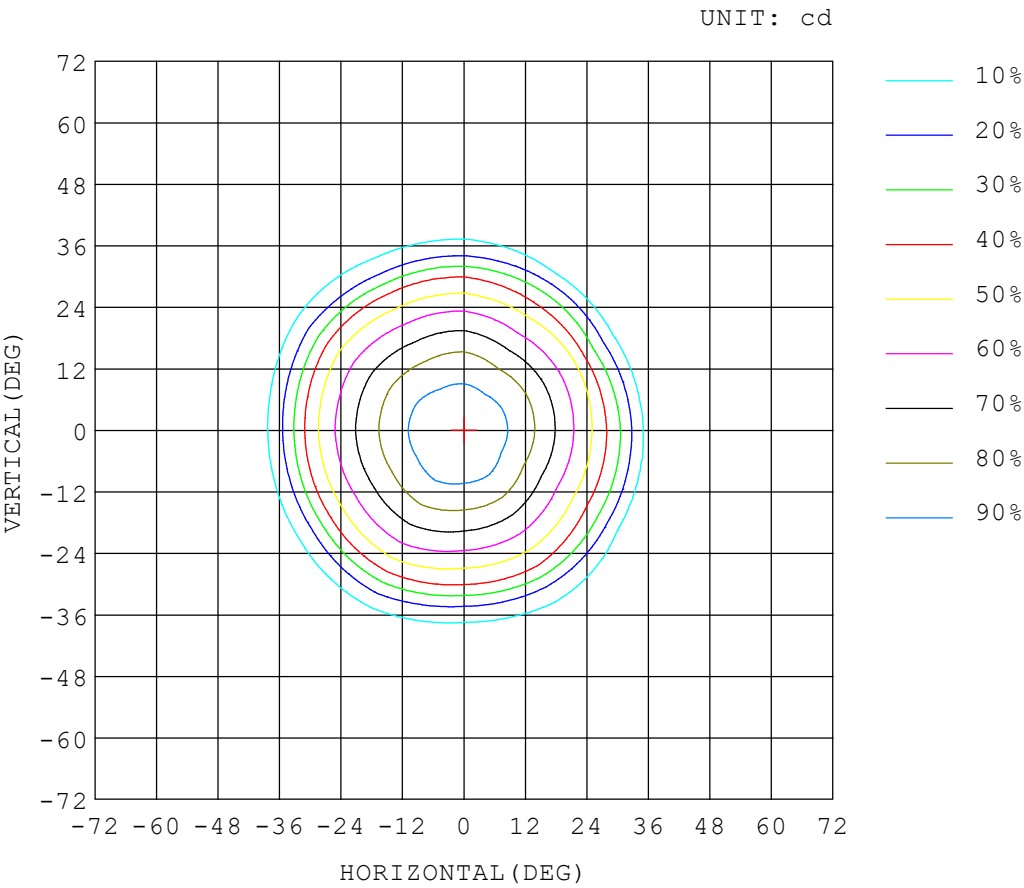
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.400 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:



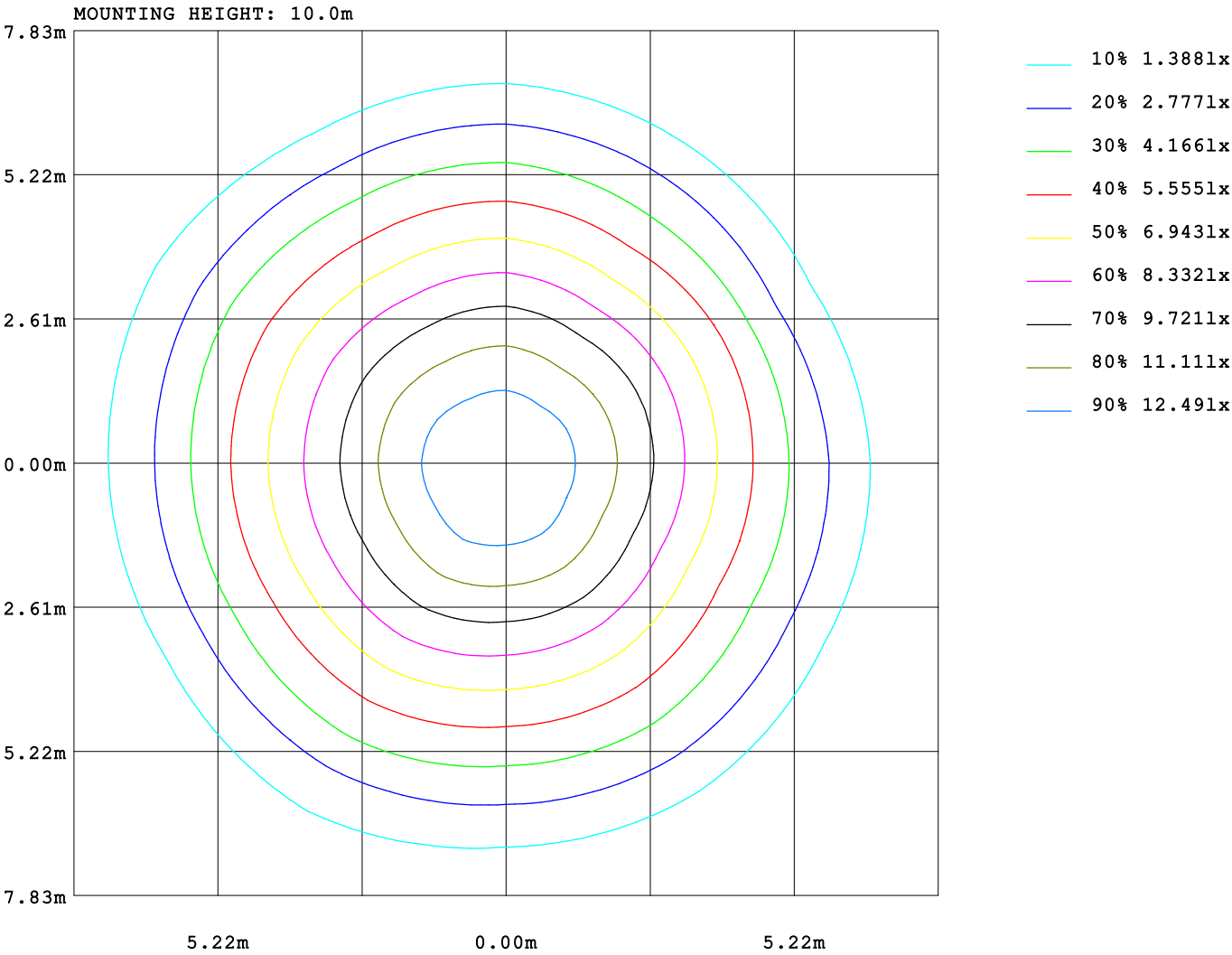
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.400 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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:9.400 m
Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:

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

NAME: AMANDEEP

TYPE: 5700K CRI-90

WEIGHT:

SPECIFICATION: OSRAM 250 MA

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

SERIAL No.:

		AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
VERTICAL (DEG)	72																						
	64	0.02	0.04	0.04	0.04	0.03	0.02	0.03	0.05	0.08	0.08	0.05	0.03	0.01	0.02	0.03	0.03	0.03	0.02	0.66	0.00		
	56	0.02	0.04	0.05	0.04	0.03	0.02	0.03	0.07	0.10	0.10	0.07	0.03	0.02	0.03	0.04	0.04	0.04	0.03	0.81	0.00		
	48	0.03	0.04	0.05	0.06	0.05	0.04	0.07	0.13	0.19	0.19	0.13	0.07	0.04	0.05	0.05	0.05	0.04	0.03	1.28	0.00		
	40	0.03	0.04	0.06	0.08	0.10	0.12	0.19	0.37	0.53	0.50	0.32	0.14	0.09	0.08	0.07	0.06	0.04	0.03	2.86	0.00		
	32	0.03	0.04	0.07	0.13	0.22	0.45	1.13	2.51	3.68	3.41	1.94	0.72	0.27	0.15	0.10	0.07	0.05	0.03	15.0	8.55		
	24	0.03	0.04	0.08	0.19	0.55	2.17	5.99	9.87	12.0	11.5	8.52	3.90	0.94	0.30	0.14	0.08	0.05	0.03	56.4	52.5		
		0.02	0.04	0.09	0.26	1.43	6.48	12.4	16.0	18.1	17.6	14.6	9.70	3.05	0.58	0.20	0.10	0.05	0.03	101	98.0		
		0.02	0.04	0.09	0.36	2.89	10.1	16.2	20.4	22.6	22.2	19.0	13.9	6.63	1.18	0.26	0.11	0.06	0.03	137	134		
		0.02	0.03	0.08	0.41	3.95	11.8	18.1	22.8	25.6	25.1	21.6	15.9	8.97	2.00	0.32	0.12	0.06	0.04	157	155		
		0.02	0.04	0.07	0.37	3.84	11.7	18.0	22.8	25.9	25.4	21.5	15.8	9.12	2.13	0.30	0.12	0.06	0.03	158	155		
		0.03	0.05	0.06	0.25	2.59	9.81	16.0	20.7	23.3	22.8	19.2	13.8	7.32	1.42	0.23	0.09	0.05	0.03	138	136		
	-24	0.03	0.06	0.06	0.13	1.02	6.07	12.6	16.8	18.6	18.0	15.4	10.6	4.08	0.65	0.13	0.07	0.04	0.03	105	102		
	-32	0.04	0.08	0.07	0.08	0.27	2.09	6.79	10.9	12.4	12.0	9.69	5.18	1.38	0.23	0.07	0.04	0.03	0.02	61.5	58.6		
	-40	0.03	0.09	0.11	0.08	0.15	0.47	1.57	3.19	4.10	3.83	2.59	1.18	0.37	0.12	0.04	0.02	0.02	0.02	18.0	12.0		
	-48	0.03	0.08	0.15	0.13	0.12	0.20	0.36	0.45	0.44	0.41	0.39	0.30	0.17	0.08	0.03	0.01	0.02	0.02	3.40	0.00		
-56	0.03	0.06	0.13	0.15	0.13	0.14	0.15	0.13	0.09	0.09	0.12	0.14	0.11	0.06	0.03	0.01	0.01	0.02	1.62	0.00			
-64	0.02	0.04	0.08	0.11	0.12	0.10	0.09	0.07	0.04	0.03	0.06	0.08	0.08	0.06	0.03	0.02	0.01	0.01	1.05	0.00			
-72	0.02	0.03	0.05	0.07	0.08	0.08	0.07	0.05	0.03	0.02	0.05	0.06	0.07	0.05	0.03	0.02	0.01	0.01	0.80	0.00			
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
Φ t		0.48	0.88	1.39	2.95	17.6	62.1	110	148	168	164	136	91.8	42.7	9.21	2.11	1.07	0.68	0.47	968			
Φ a		0.00	0.00	0.00	0.00	12.5	58.8	107	145	166	161	133	88.4	38.4	3.09	0.00	0.00	0.00	0.00		912		

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

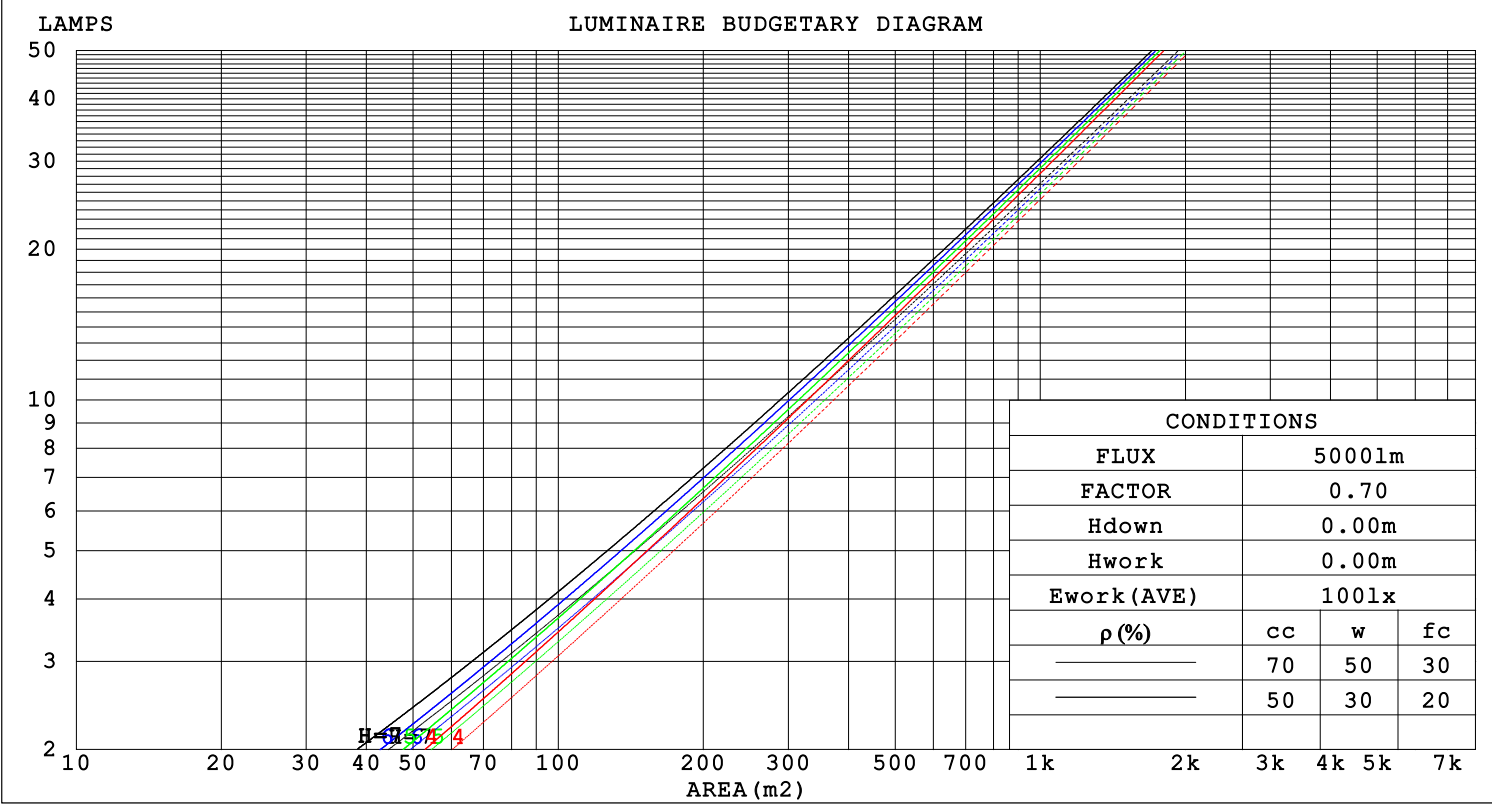
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.400 m
 Remarks: 5700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: AMANDEEP								TYPE: 5700K 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
ffc	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	.63	.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 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:9.400 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER:														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: AMANDEEP							TYPE: 5700K 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	

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:9.400 m
Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: AMANDEEP					TYPE: 5700K 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	1.2	2.1	1.4	2.3	2.4	4.5	5.4	4.7	5.6	5.7
	3H	1.3	2.1	1.5	2.3	2.5	4.4	5.2	4.6	5.4	5.6
	4H	1.4	2.2	1.7	2.4	2.6	4.3	5.1	4.6	5.3	5.5
	6H	1.8	2.5	2.1	2.7	3.0	4.3	5.0	4.6	5.2	5.5
	8H	2.1	2.8	2.4	3.0	3.3	4.2	4.9	4.5	5.2	5.4
	12H	2.5	3.2	2.9	3.5	3.7	4.2	4.9	4.5	5.2	5.4
4H	2H	1.0	1.8	1.3	2.0	2.2	4.3	5.1	4.5	5.3	5.5
	3H	1.1	1.7	1.4	2.0	2.3	4.2	4.9	4.5	5.1	5.4
	4H	1.3	1.9	1.6	2.2	2.5	4.2	4.8	4.5	5.1	5.4
	6H	1.8	2.3	2.1	2.6	3.0	4.2	4.8	4.6	5.1	5.4
	8H	2.2	2.7	2.6	3.0	3.4	4.2	4.7	4.6	5.1	5.4
	12H	2.9	3.3	3.3	3.7	4.1	4.3	4.7	4.7	5.1	5.5
8H	4H	1.3	1.8	1.6	2.1	2.5	4.1	4.6	4.5	5.0	5.3
	6H	1.8	2.2	2.2	2.6	3.0	4.3	4.7	4.7	5.1	5.5
	8H	2.3	2.6	2.7	3.1	3.5	4.4	4.8	4.9	5.2	5.6
	12H	3.1	3.4	3.6	3.9	4.3	4.6	4.9	5.1	5.4	5.8
12H	4H	1.3	1.7	1.7	2.1	2.5	4.1	4.5	4.5	4.9	5.3
	6H	1.8	2.2	2.3	2.6	3.1	4.3	4.6	4.7	5.1	5.5
	8H	2.4	2.7	2.8	3.1	3.6	4.5	4.8	5.0	5.3	5.7
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 / - 1.9				
2.0H		+ 1.9 / - 0.8					+ 0.7 / - 0.7				

CIE Pub.117 Corrected 967.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

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:9.400 m
 Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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		

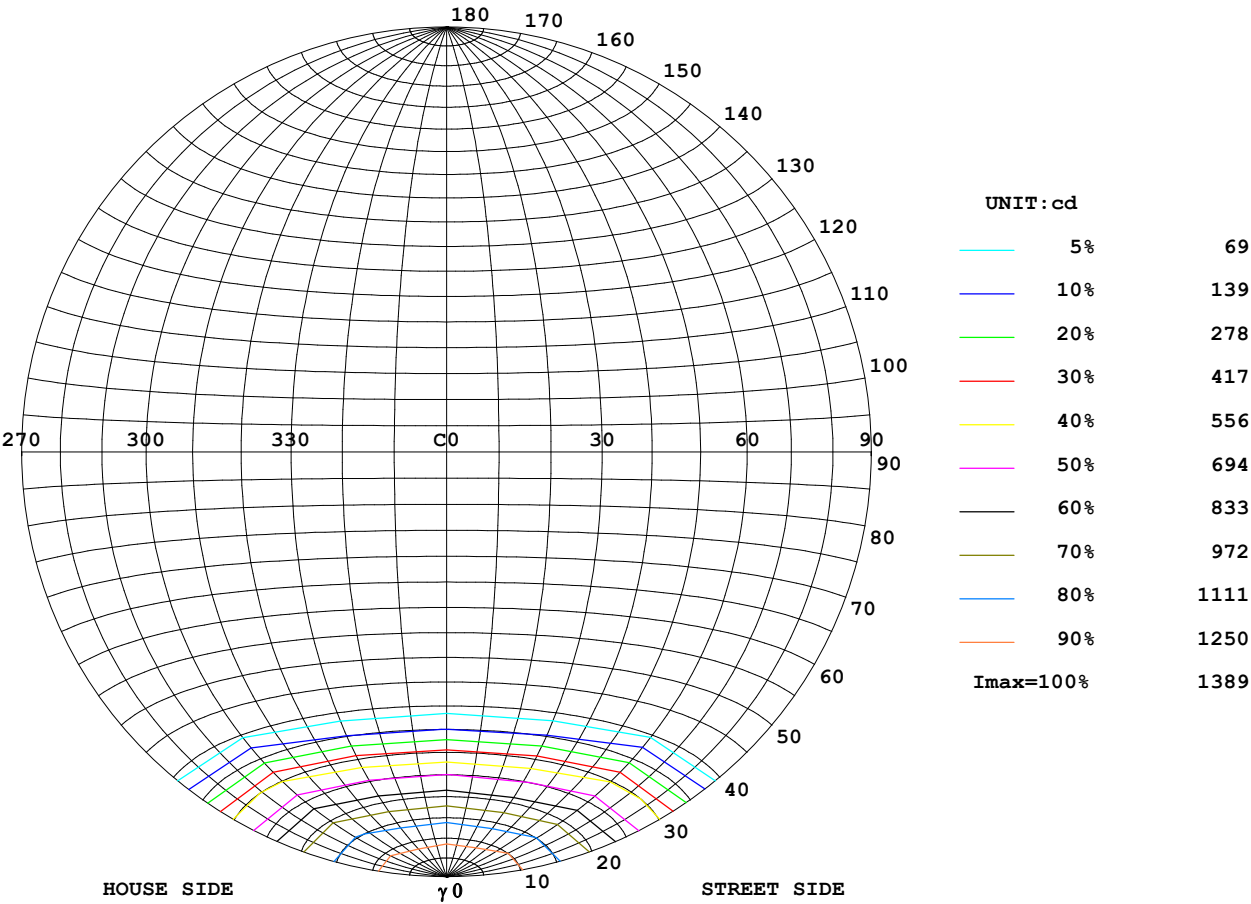
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.400 m
 Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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:9.400 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: D-83 CUTOUT-67 H-53 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 13.89 lx



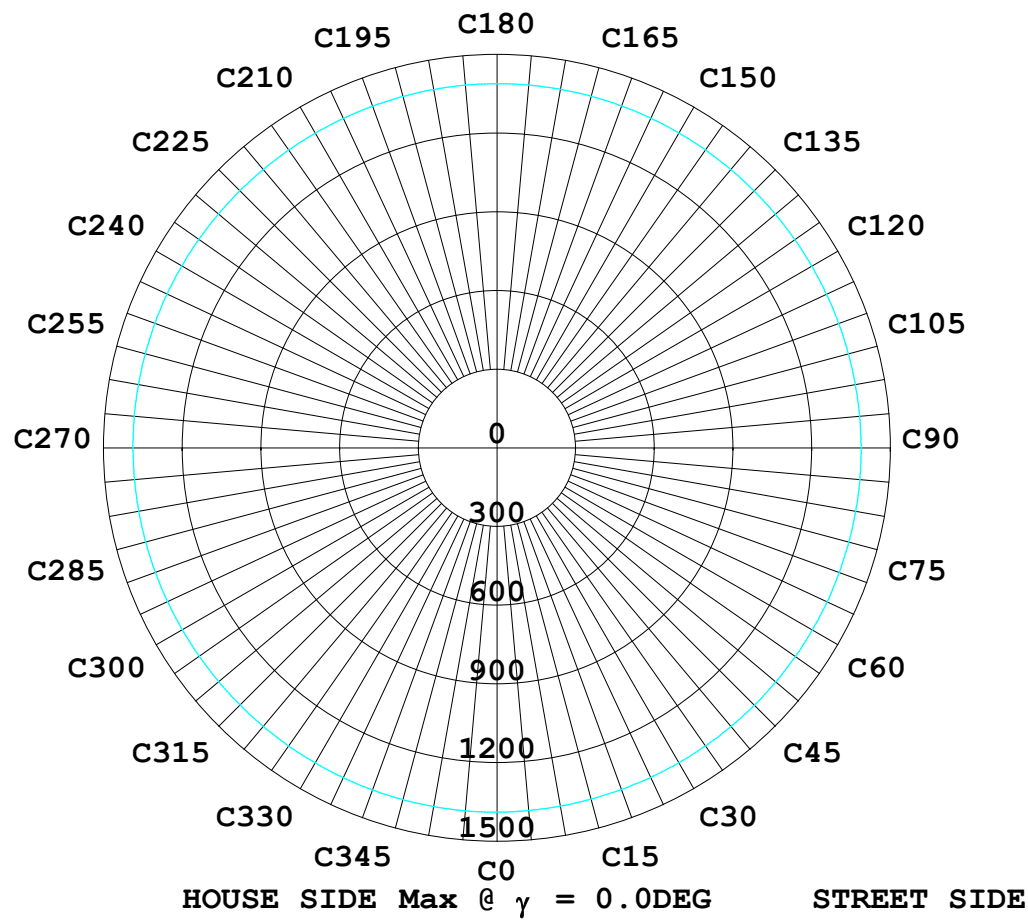
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-15-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.400 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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:9.400 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: AMANDEEP	TYPE: 5700K 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	1389	1386	1388	1388	1386	1387	1389	1386	1388	1388	1386	1387
5.0	1326	1331	1353	1361	1371	1363	1365	1357	1337	1334	1318	1327
10.0	1218	1213	1249	1259	1280	1263	1270	1262	1234	1231	1208	1217
15.0	1078	1067	1113	1129	1163	1145	1158	1155	1122	1120	1077	1084
20.0	889	878	936	961	1009	997	1012	1008	960	953	891	897
25.0	695	689	755	776	833	818	839	836	780	767	705	707
30.0	452	462	548	562	625	603	626	635	563	551	471	388
35.0	139	145	221	235	308	273	297	311	224	212	142	82.8
40.0	37.1	30.0	52.3	40.6	66.8	37.6	56.6	71.0	41.9	51.2	29.4	31.8
45.0	17.7	8.57	21.5	12.3	27.4	8.65	17.5	28.3	13.0	21.2	8.57	16.7
50.0	11.5	3.71	11.7	3.97	12.9	5.12	6.27	13.3	4.15	11.9	3.88	9.45
55.0	8.65	2.20	8.39	2.12	9.27	4.68	4.41	9.45	2.38	8.83	2.47	7.15
60.0	6.00	0.80	5.83	0.71	6.36	11.0	2.91	6.36	0.62	5.74	0.62	5.56
65.0	5.21	0.71	4.94	0.62	5.38	14.4	2.82	5.30	0.71	4.85	0.62	4.77
70.0	4.59	0.80	4.41	0.80	4.59	8.65	2.82	4.50	0.71	4.32	0.62	4.15
75.0	4.06	0.97	3.79	0.71	4.15	4.77	2.82	3.97	0.71	3.79	0.62	3.62
80.0	3.79	0.97	3.53	0.88	3.71	3.00	2.73	3.62	0.80	3.44	0.71	3.18
85.0	3.44	1.06	3.18	0.88	3.35	2.12	2.82	3.26	0.80	3.09	0.80	2.82
90.0	3.09	1.50	2.82	1.32	3.00	1.67	3.71	2.82	1.14	2.56	0.97	2.56

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