

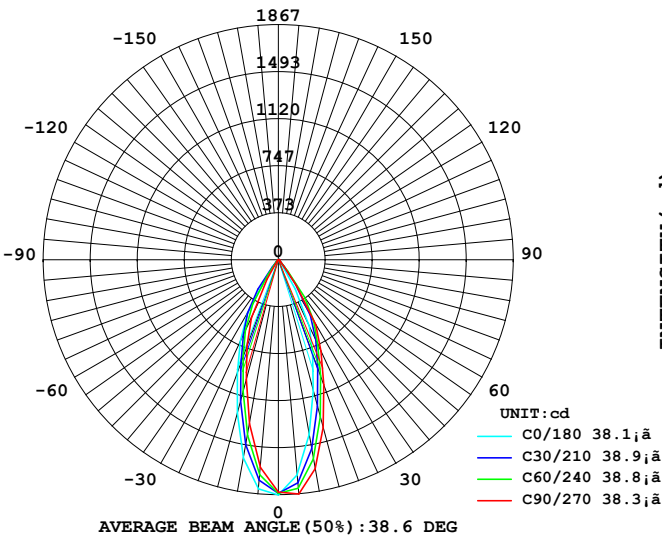
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

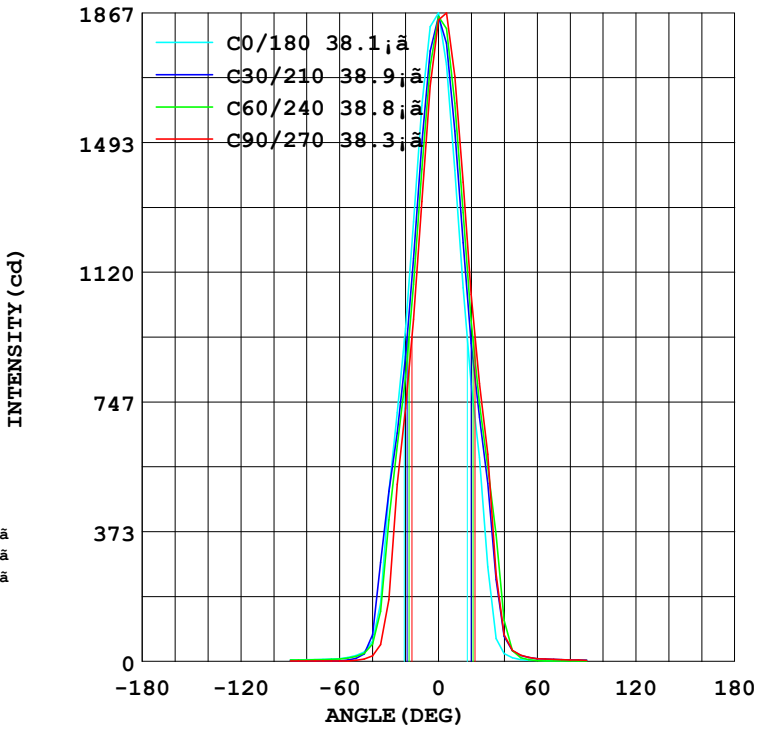
MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1871	S/MH (C0/180)	0.65
MODEL	ARYA 9	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.52
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	993.54	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	87.2	Current (A)	0.054
NOMINAL FLUX (lm)	993.5	η up (%)	0.0	Power (W)	11.40
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.959
TEST VOLTAGE (V)	219.7	Effictive Flux (lm)	916.0	EEI	0.159

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:

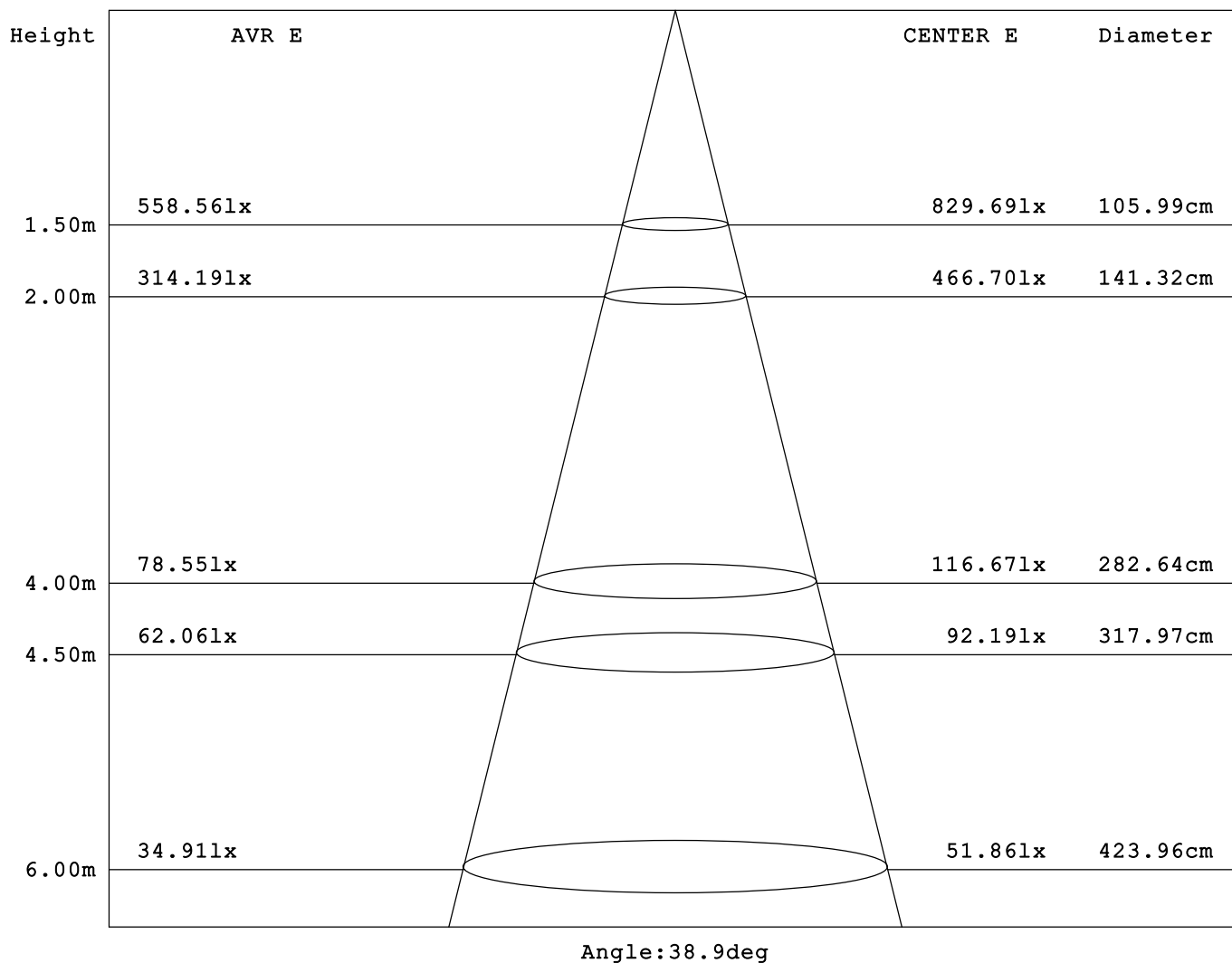
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1600	1455	1324	1338	1413	1567	1684	1703	0- 10	160.6	160.6
20.0	957.7	847.0	728.5	756.0	798.0	948.4	1056	1069	10- 20	332.1	492.7
30.0	487.9	448.5	178.5	364.7	272.3	535.7	595.9	609.4	20- 30	307.6	800.4
40.0	58.49	63.80	16.20	38.40	22.70	95.09	76.80	158.6	30- 40	148.8	949.2
50.0	16.79	11.40	3.400	9.150	5.500	13.79	18.19	18.95	40- 50	26.22	975.5
60.0	8.100	4.500	1.100	4.050	2.800	5.050	8.200	6.350	50- 60	7.252	982.7
70.0	6.000	3.400	1.100	3.200	2.700	3.400	5.800	3.600	60- 70	4.122	986.8
80.0	4.900	2.900	1.200	2.700	2.900	2.850	4.500	2.900	70- 80	3.462	990.3
90.0	4.000	2.800	1.800	2.750	4.100	2.600	3.600	2.600	80- 90	3.186	993.5
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:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

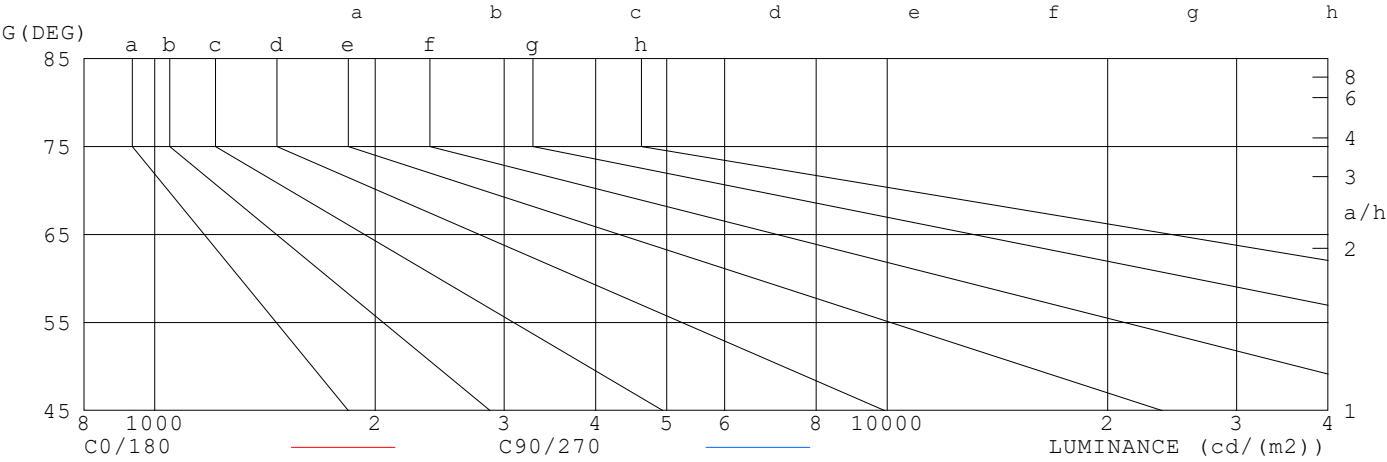
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 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	516	161
80	282	69
75	209	46
70	175	32
65	166	26
60	162	22
55	197	26
50	261	53
45	385	100

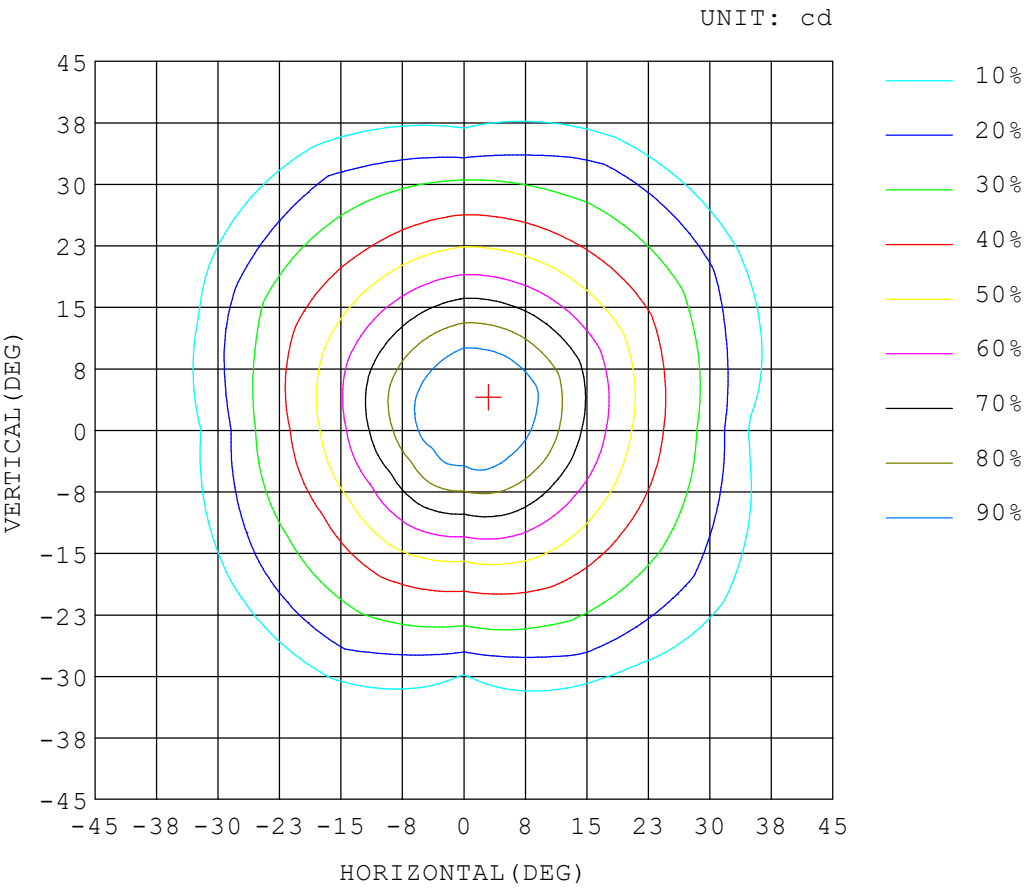
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:



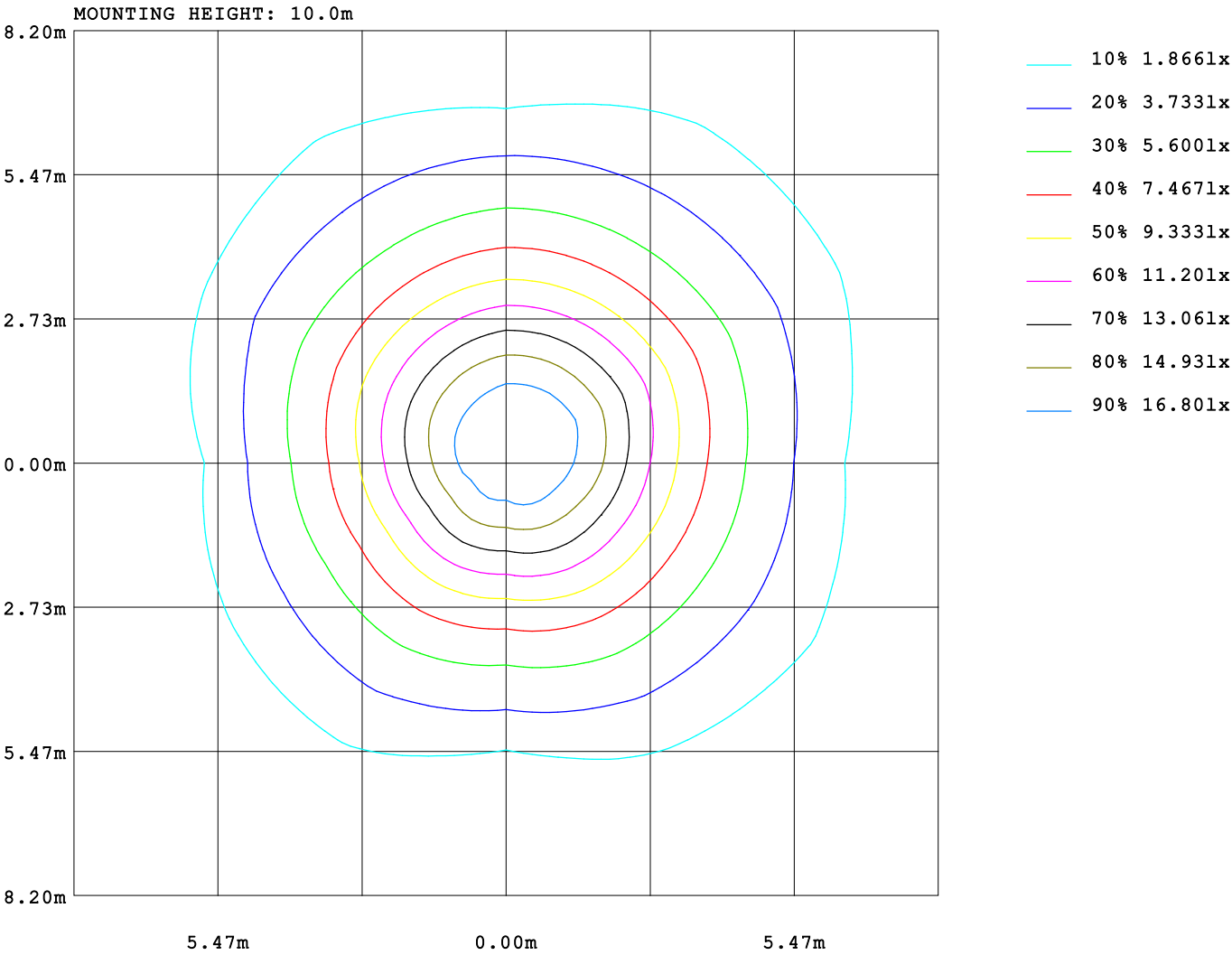
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:

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

NAME: ARYA 9

TYPE: 4000K CRI-90

WEIGHT:

SPECIFICATION: OSRAM -350 MA

DIMENSION: L-69 W-69 H-40 MM

SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.05	0.06	0.08	0.11	0.16	0.25	0.35	0.42	0.43	0.45	0.49	0.45	0.33	0.22	0.15	0.10	0.08	0.06	4.23	0.00		
45																						
40	0.07	0.09	0.13	0.23	0.46	0.78	1.08	1.27	1.30	1.36	1.46	1.34	1.05	0.67	0.34	0.20	0.12	0.09	12.0	4.75		
35	0.09	0.13	0.24	0.53	1.14	2.06	2.63	3.00	3.21	3.28	3.22	3.02	2.56	1.61	0.85	0.40	0.20	0.12	28.3	24.7		
30	0.10	0.20	0.43	1.10	2.21	3.33	4.15	4.79	5.20	5.27	4.98	4.47	3.84	2.95	1.74	0.79	0.34	0.16	46.1	43.2		
25	0.12	0.27	0.75	1.83	3.25	4.41	5.37	6.25	6.88	6.99	6.57	5.81	4.91	3.92	2.77	1.38	0.53	0.21	62.2	59.9		
20	0.13	0.35	1.08	2.59	4.13	5.39	6.70	7.99	8.97	9.17	8.52	7.38	6.05	4.80	3.50	1.95	0.71	0.26	79.7	77.7		
15	0.14	0.42	1.30	3.02	4.70	6.28	8.08	9.91	11.2	11.5	10.7	9.09	7.24	5.50	3.91	2.21	0.86	0.30	96.5	94.6		
	0.14	0.42	1.37	3.13	4.99	6.86	9.15	11.4	13.0	13.4	12.4	10.5	8.05	5.90	4.14	2.29	0.89	0.30	109	107		
	0.11	0.33	1.23	3.04	4.98	6.95	9.42	11.9	13.7	14.1	13.0	10.8	8.20	5.98	4.14	2.22	0.78	0.27	111	110		
	0.09	0.28	1.11	2.87	4.76	6.59	8.87	11.2	13.0	13.3	12.3	10.1	7.79	5.73	3.99	2.11	0.72	0.24	105	104		
	0.09	0.28	1.03	2.64	4.36	5.90	7.72	9.75	11.1	11.4	10.6	8.84	6.93	5.22	3.71	1.98	0.71	0.23	92.6	90.8		
-15	0.08	0.24	0.81	2.22	3.74	5.06	6.49	7.87	8.69	8.89	8.43	7.26	5.86	4.53	3.25	1.72	0.60	0.20	76.0	74.1		
-20	0.06	0.17	0.55	1.63	3.00	4.22	5.27	6.09	6.49	6.62	6.43	5.75	4.78	3.76	2.64	1.35	0.42	0.15	59.4	57.5		
-25	0.05	0.11	0.33	0.91	2.06	3.20	4.07	4.55	4.73	4.81	4.77	4.38	3.64	2.73	1.75	0.82	0.27	0.10	43.3	40.9		
-30	0.03	0.07	0.18	0.46	1.00	1.92	2.58	2.76	2.73	2.78	2.89	2.75	2.21	1.48	0.87	0.37	0.15	0.07	25.3	21.9		
-35	0.02	0.05	0.11	0.22	0.45	0.79	1.05	1.14	1.00	1.02	1.20	1.11	0.88	0.62	0.35	0.18	0.09	0.04	10.3	2.37		
-40	0.02	0.04	0.07	0.13	0.21	0.31	0.37	0.37	0.30	0.31	0.39	0.39	0.33	0.26	0.17	0.10	0.06	0.03	3.85	0.00		
-45	0.02	0.03	0.05	0.09	0.12	0.15	0.15	0.14	0.11	0.11	0.15	0.16	0.16	0.14	0.10	0.07	0.04	0.02	1.80	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)													
Φ t	1.41	3.54	10.8	26.7	45.7	64.4	83.5	101	112	115	109	93.7	74.8	56.0	38.4	20.2	7.58	2.83	994			
Φ a	0.00	0.00	4.62	23.3	43.0	61.9	81.3	98.9	110	113	107	91.4	72.4	53.3	35.4	16.6	0.67	0.00				916

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:08-29-2025

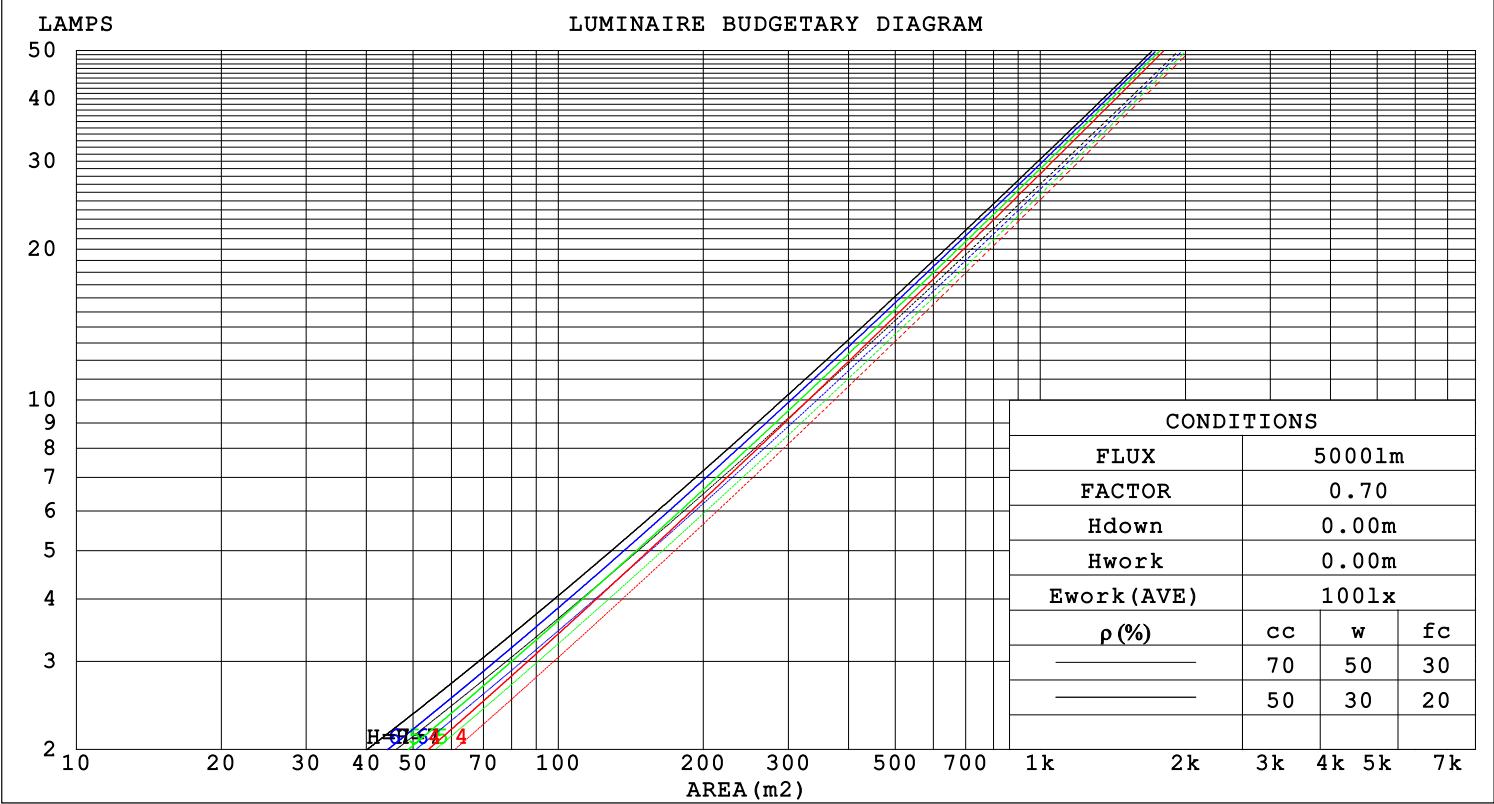
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 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	1.11	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	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.92	.89	.94	.90	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.78	.73	.69	.78	.73	.69	.77	.72	.69	.75	.71	.68	.74	.71	.68	.67
8.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.59	.67	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.57



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER:															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019															
NAME: ARYA 9								TYPE: 4000K CRI-90				WEIGHT:			
SPECIFICATION: OSRAM -350 MA								DIMENSION: L-69 W-69 H-40 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	.170	.097	.031	.163	.093	.030	.151	.086	.028	.139	.080	.026	.129	.074	.024	
2.0	.160	.088	.027	.154	.085	.026	.144	.080	.025	.134	.075	.024	.125	.071	.022	
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.023	.129	.071	.022	.121	.067	.021	
4.0	.143	.074	.022	.139	.073	.021	.131	.070	.021	.124	.067	.020	.118	.064	.019	
5.0	.136	.069	.020	.132	.068	.020	.126	.065	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.019	.126	.064	.018	.121	.062	.018	.115	.060	.018	.110	.058	.017	
7.0	.124	.061	.017	.121	.060	.017	.116	.058	.017	.111	.057	.017	.106	.055	.016	
8.0	.118	.058	.016	.116	.057	.016	.111	.056	.016	.107	.054	.016	.103	.053	.015	
9.0	.113	.055	.015	.111	.054	.015	.107	.053	.015	.103	.052	.015	.100	.051	.015	
10.0	.109	.052	.014	.107	.052	.014	.103	.051	.014	.100	.049	.014	.096	.048	.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	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.113	.091	.121	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.054	.028	.079	.046	.025	.055	.033	.018	.032	.019	.010	.010	.006	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019											
NAME: ARYA 9					TYPE: 4000K CRI-90			WEIGHT:			
SPECIFICATION: OSRAM -350 MA					DIMENSION: L-69 W-69 H-40 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	4.2	5.1	4.4	5.2	5.4	-0.7	0.1	-0.5	0.3	0.5
	3H	4.2	5.0	4.4	5.2	5.4	-0.6	0.2	-0.4	0.4	0.6
	4H	4.3	5.0	4.6	5.3	5.5	-0.5	0.3	-0.2	0.5	0.7
	6H	4.5	5.2	4.8	5.5	5.7	-0.4	0.4	-0.1	0.6	0.8
	8H	4.8	5.4	5.1	5.7	6.0	-0.3	0.4	0.1	0.7	0.9
	12H	5.1	5.8	5.4	6.0	6.3	-0.0	0.6	0.3	0.9	1.2
4H	2H	4.0	4.7	4.3	5.0	5.2	-0.8	-0.0	-0.5	0.2	0.4
	3H	4.0	4.6	4.3	4.9	5.2	-0.3	0.4	0.0	0.6	0.9
	4H	4.1	4.7	4.5	5.0	5.3	0.1	0.7	0.5	1.0	1.3
	6H	4.5	5.0	4.8	5.3	5.7	0.6	1.1	1.0	1.5	1.8
	8H	4.8	5.3	5.2	5.6	6.0	0.9	1.4	1.3	1.7	2.1
	12H	5.3	5.8	5.7	6.1	6.5	1.2	1.7	1.7	2.1	2.5
8H	4H	4.1	4.6	4.5	4.9	5.3	0.4	0.8	0.7	1.2	1.6
	6H	4.4	4.8	4.9	5.2	5.6	1.4	1.8	1.8	2.2	2.6
	8H	4.8	5.2	5.3	5.6	6.1	2.0	2.4	2.4	2.8	3.2
	12H	5.5	5.8	6.0	6.3	6.8	2.7	3.0	3.2	3.5	3.9
12H	4H	4.1	4.5	4.5	4.9	5.3	0.3	0.8	0.8	1.2	1.6
	6H	4.5	4.8	4.9	5.3	5.7	1.5	1.8	1.9	2.2	2.7
	8H	4.9	5.2	5.4	5.6	6.1	2.3	2.6	2.8	3.1	3.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.7 / - 1.8					+ 0.8 / - 0.7				
1.5H		+ 3.5 / - 2.0					+ 1.7 / - 0.9				
2.0H		+ 2.2 / - 0.8					+ 0.7 / - 0.8				

CIE Pub.117 Corrected 993.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.0)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	88	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	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		

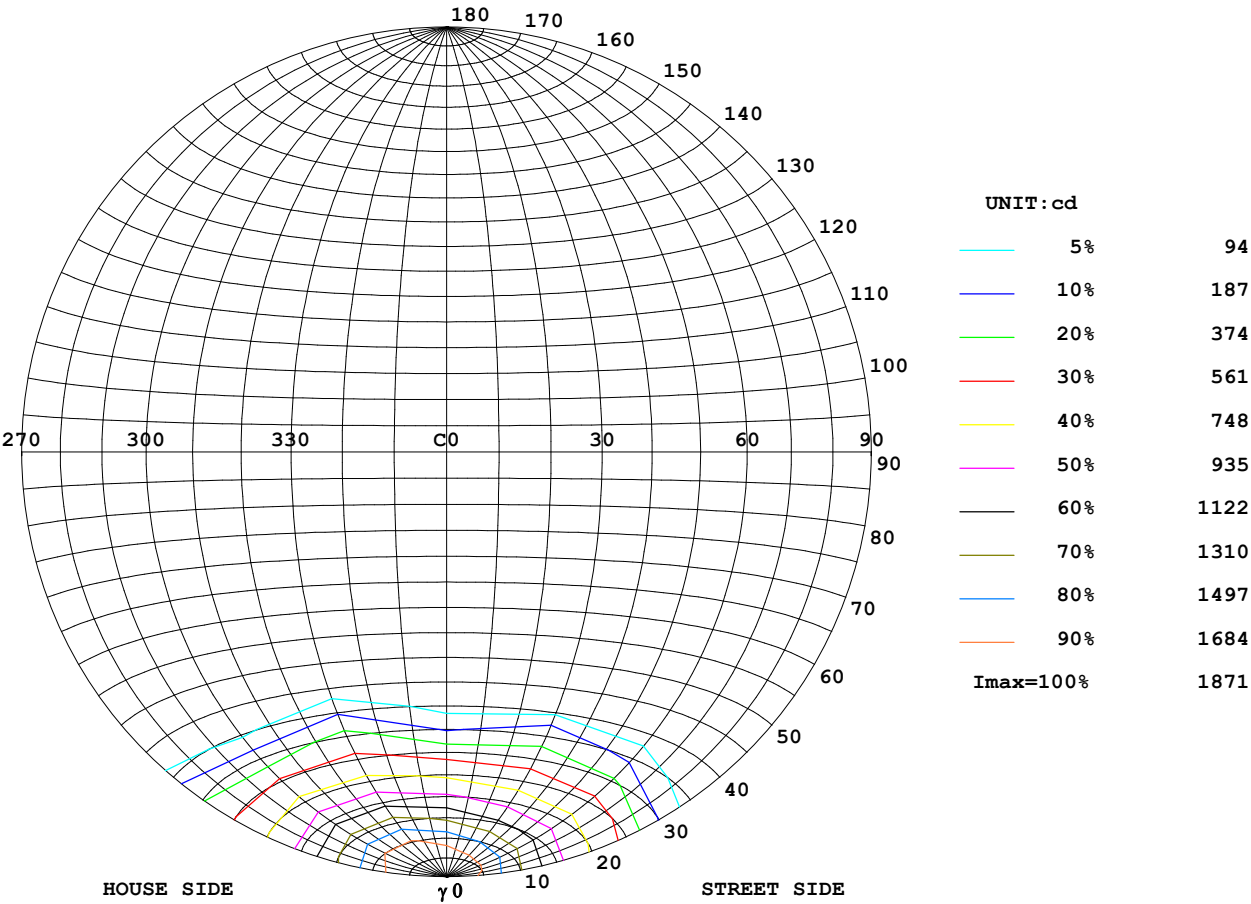
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 08-29-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

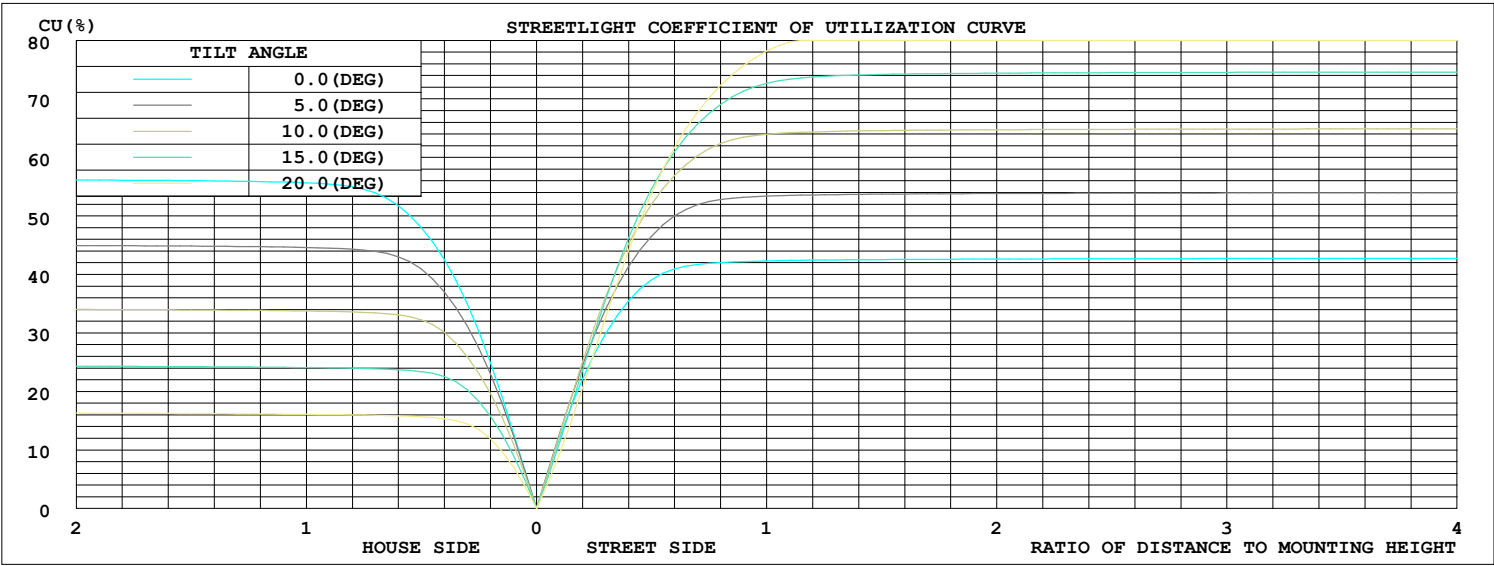
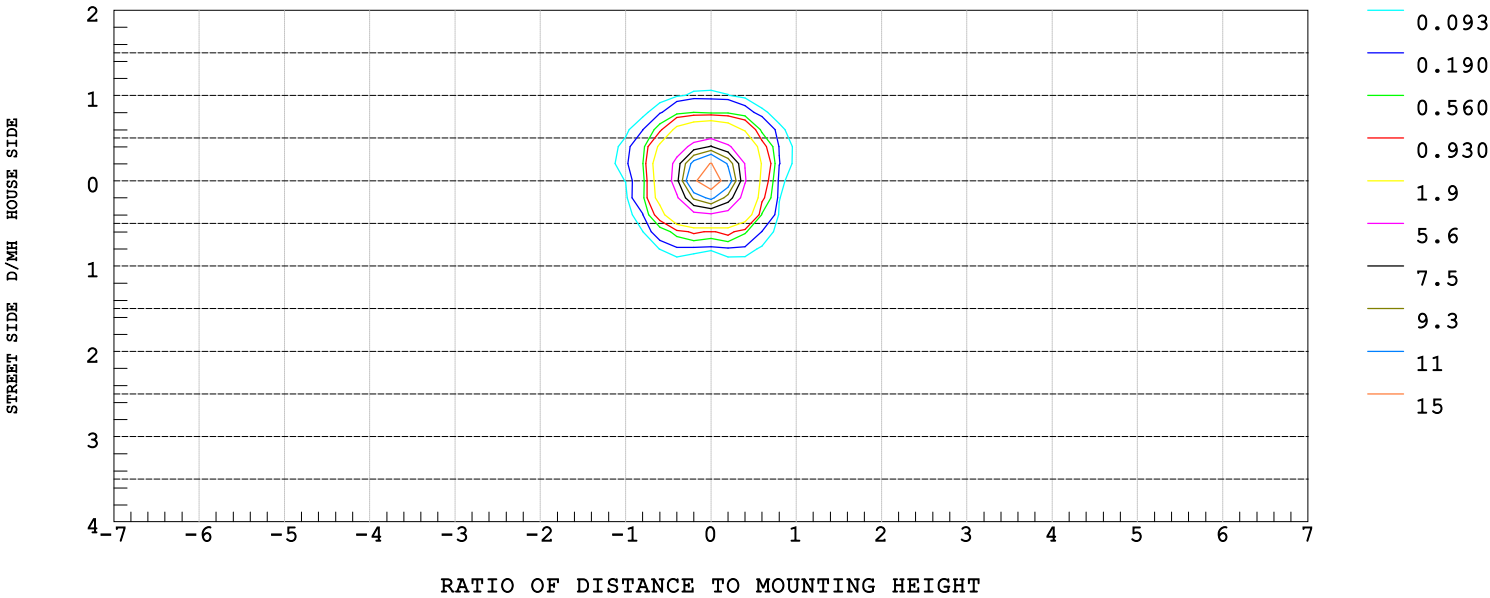
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 18.67 lx



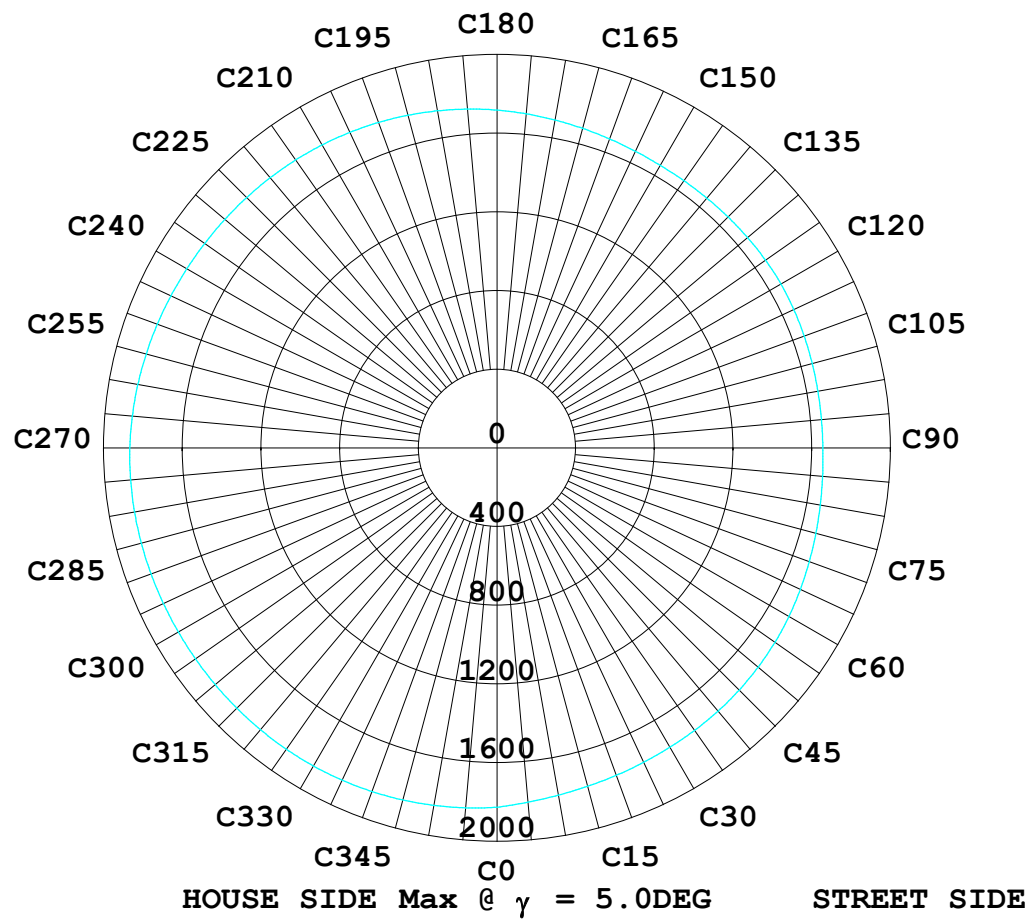
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: ARYA 9	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM -350 MA	DIMENSION: L-69 W-69 H-40 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1867	1857	1856	1846	1856	1849	1867	1857	1856	1846	1856	1849
5.0	1827	1757	1714	1656	1667	1659	1718	1779	1821	1867	1871	1867
10.0	1600	1492	1417	1324	1346	1331	1413	1526	1607	1684	1704	1702
15.0	1265	1160	1085	985	1015	1001	1076	1205	1292	1379	1397	1400
20.0	958	876	818	729	765	747	798	916	981	1056	1066	1072
25.0	716	658	621	509	579	559	586	703	742	800	802	813
30.0	488	490	407	179	381	349	272	512	559	596	603	616
35.0	167	285	144	48.5	135	112	65.6	235	364	251	441	411
40.0	58.4	77.3	50.3	16.2	46.0	30.7	22.7	72.0	118	76.8	166	151
45.0	27.2	21.7	23.8	7.10	21.7	10.5	10.5	31.0	30.5	32.1	42.0	52.0
50.0	16.7	8.29	14.5	3.40	13.5	4.80	5.50	17.2	10.3	18.1	13.7	24.2
55.0	11.3	4.20	9.80	1.50	9.20	2.00	3.20	11.4	4.90	11.9	6.00	14.7
60.0	8.10	1.80	7.20	1.10	7.00	1.10	2.80	7.90	2.20	8.20	2.90	9.80
65.0	7.00	1.40	6.10	1.10	6.00	1.10	2.70	6.50	1.30	6.80	1.30	7.10
70.0	6.00	1.30	5.50	1.10	5.30	1.10	2.70	5.70	1.10	5.80	1.10	6.10
75.0	5.40	1.40	4.90	1.20	4.80	1.10	2.70	5.00	1.10	5.10	1.10	5.30
80.0	4.90	1.40	4.40	1.20	4.20	1.20	2.90	4.50	1.20	4.50	1.10	4.70
85.0	4.50	1.50	4.00	1.40	4.00	1.30	3.00	4.20	1.20	4.00	1.10	4.30
90.0	4.00	1.90	3.70	1.80	3.60	1.90	4.10	3.60	1.60	3.60	1.50	3.70

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:08-29-2025

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