

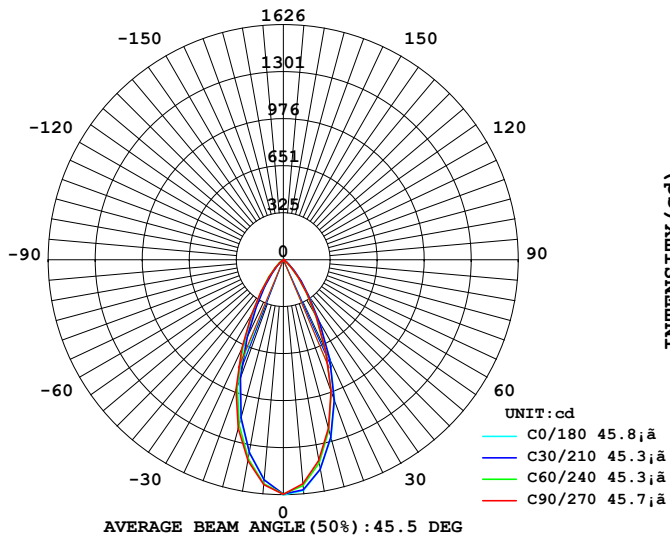
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

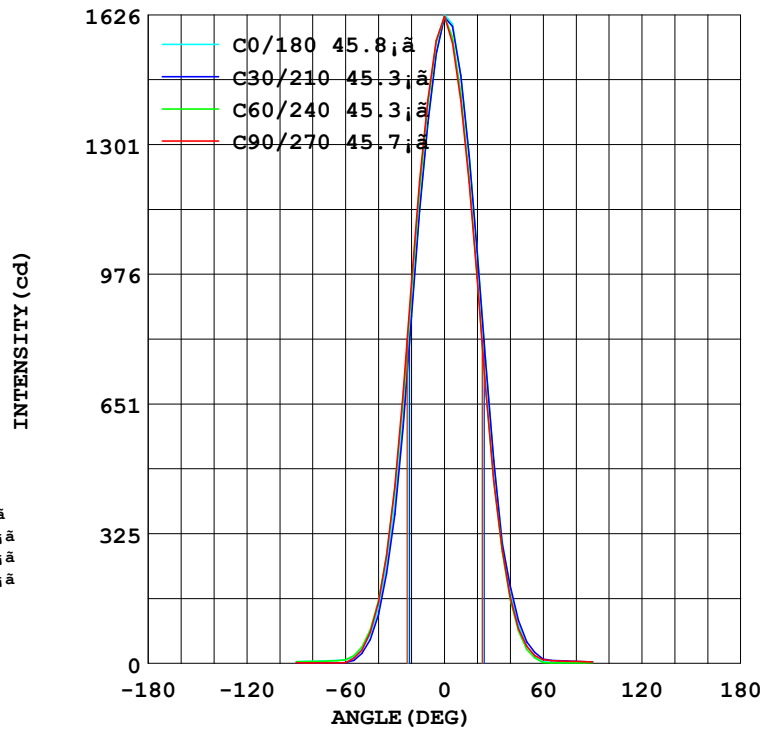
MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:

DATA OF LAMP		Imax (cd)	1626	S/MH (C0/180)	0.68
MODEL	LUKE 12	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.72
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	1072.2	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	90.1	Current (A)	0.050
NOMINAL FLUX (lm)	1072.2	η up (%)	0.0	Power (W)	11.90
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.997
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	973.7	EEI	0.158

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 09-06-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:

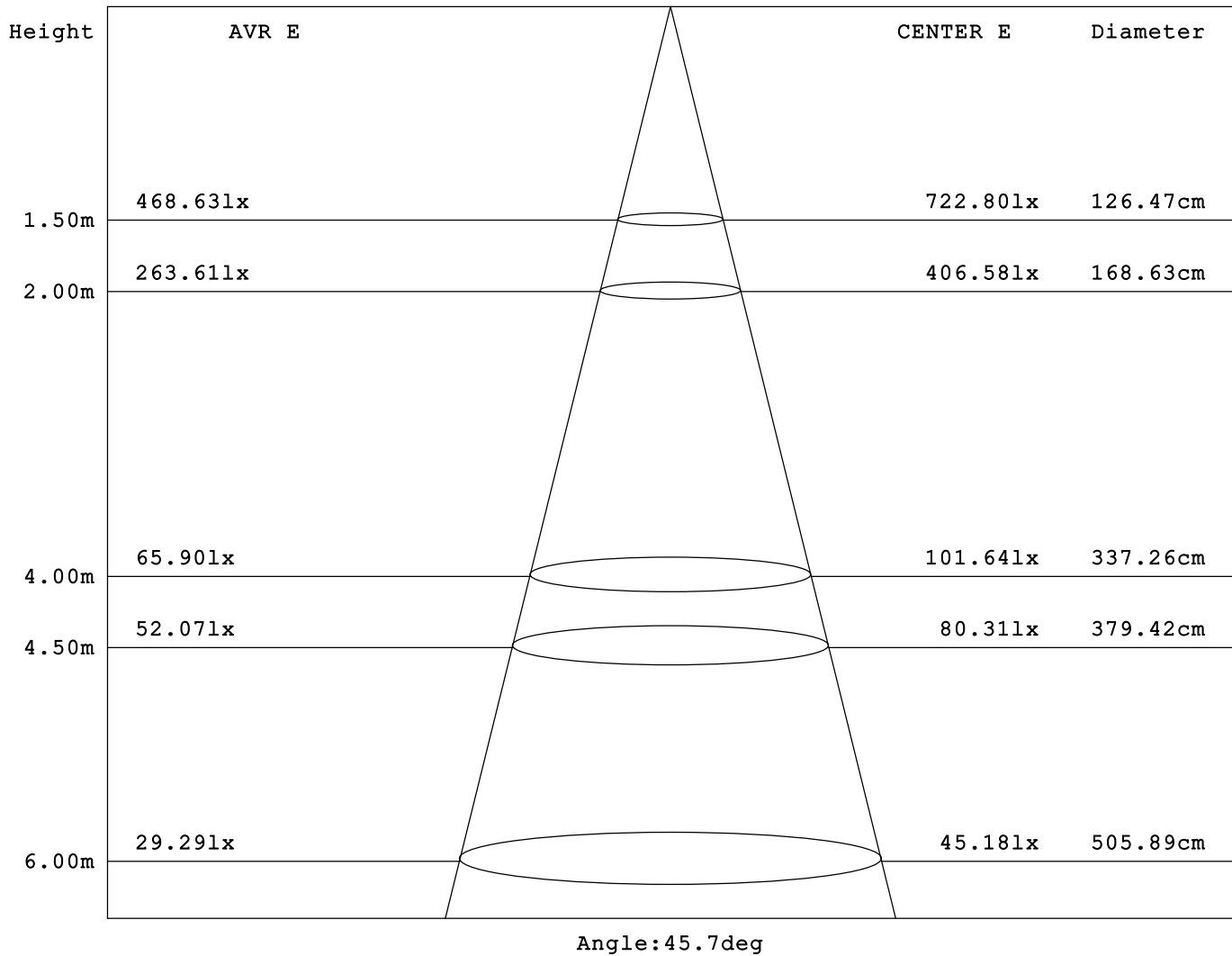
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1355	1377	1413	1460	1473	1451	1411	1378	0- 10	144.5	144.5
20.0	888.0	903.2	957.6	1021	1036	1002	966.6	909.1	10- 20	334.2	478.7
30.0	402.6	406.2	446.0	488.2	503.1	481.7	456.8	422.0	20- 30	316.0	794.8
40.0	139.1	140.7	154.1	180.2	183.5	178.1	166.9	136.3	30- 40	178.8	973.7
50.0	35.70	33.34	33.19	44.00	43.79	44.70	43.00	31.79	40- 50	69.41	1043
60.0	9.200	5.550	2.100	6.300	4.400	6.300	9.099	4.950	50- 60	17.15	1060
70.0	6.600	3.800	1.200	3.750	3.000	3.800	6.100	3.550	60- 70	4.611	1065
80.0	5.400	3.350	1.300	3.150	3.300	3.200	4.900	2.900	70- 80	3.797	1069
90.0	4.600	3.350	2.000	3.100	4.700	2.900	3.800	2.700	80- 90	3.548	1072
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:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

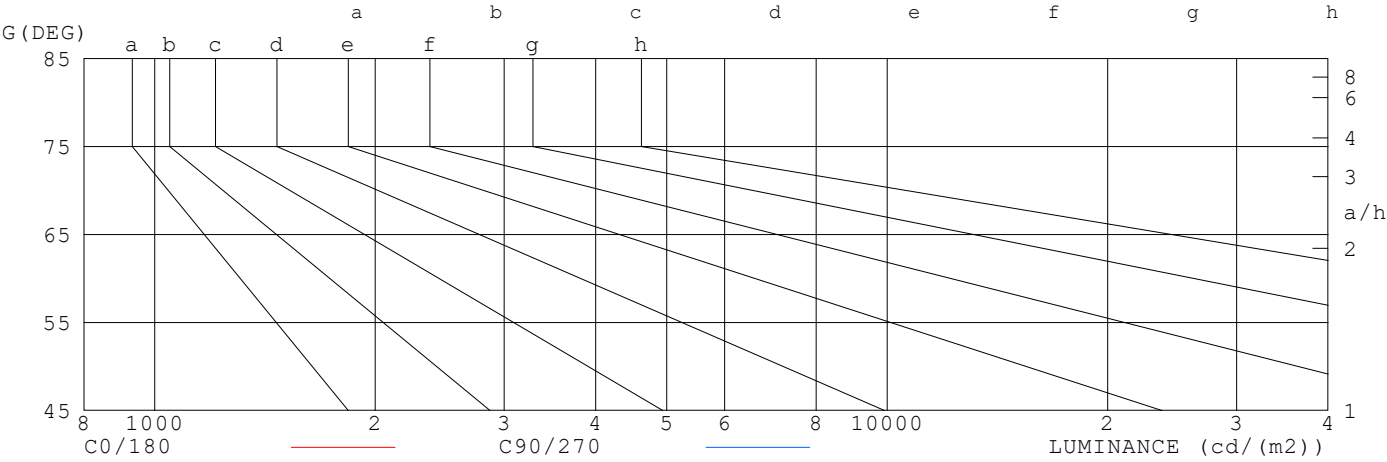
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	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	574	184
80	311	75
75	228	50
70	193	35
65	177	28
60	184	42
55	256	230
50	555	517
45	1014	1110

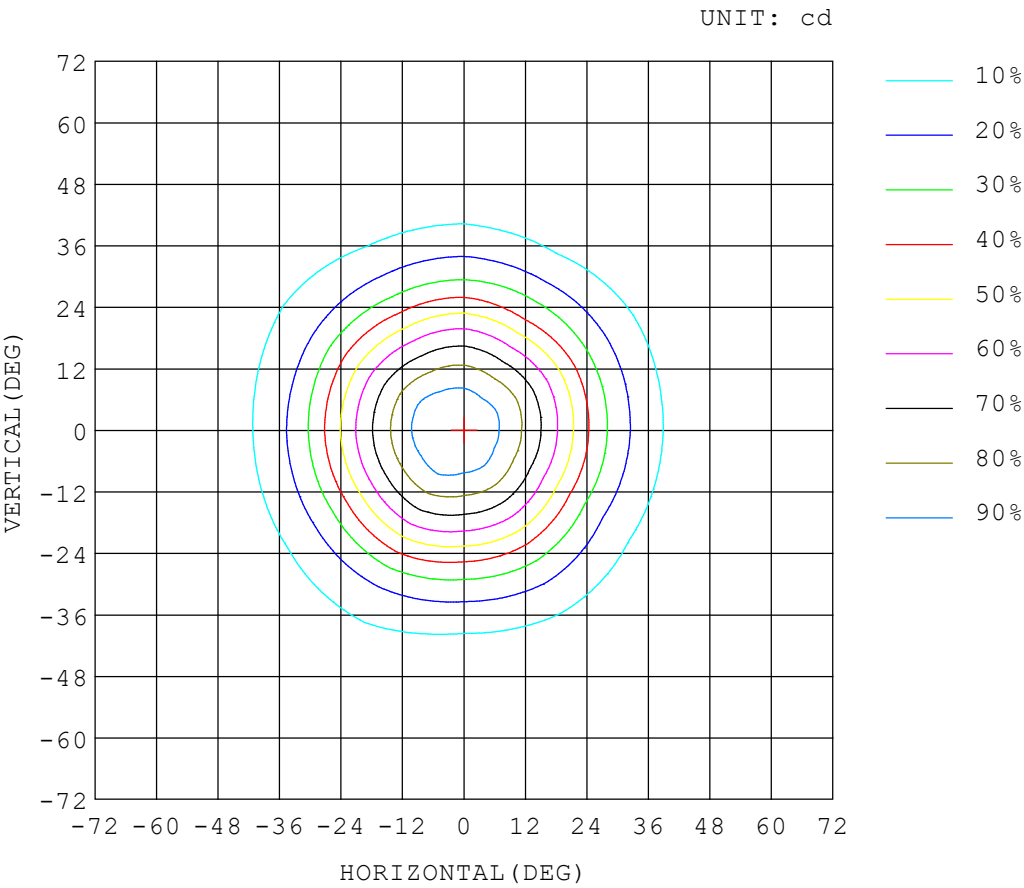
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:



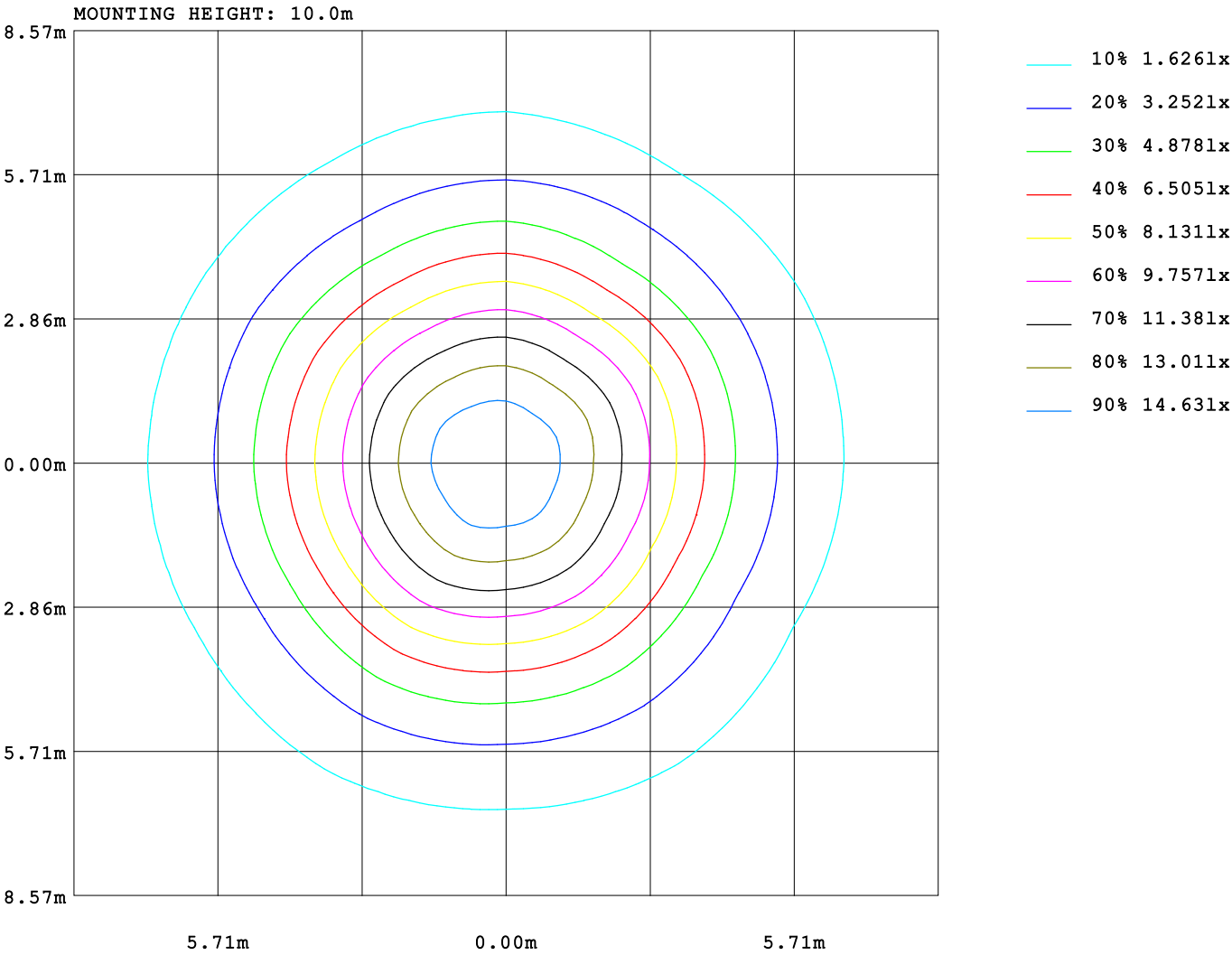
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:

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

NAME: LUKE 12

TYPE: 5700K CRI-90

WEIGHT:

SPECIFICATION: OSRAM 250 MA

DIMENSION: OUTER-75 CUTOUT-70 H-70

MSERIAL No.:

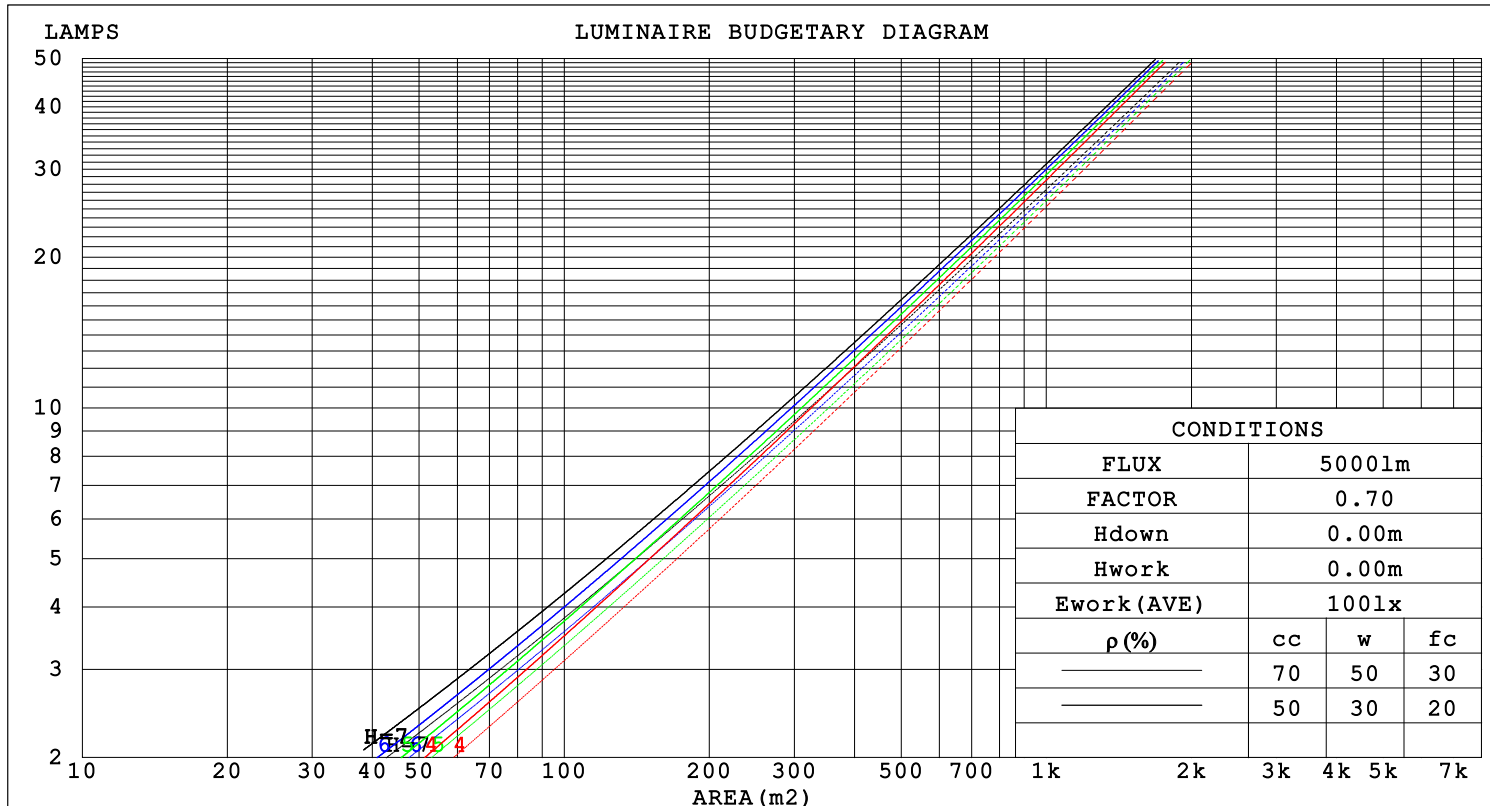
VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.03	0.05	0.06	0.05	0.04	0.03	0.05	0.08	0.11	0.11	0.08	0.05	0.03	0.04	0.05	0.05	0.05	0.03	0.97	0.00		
72	0.03	0.05	0.07	0.06	0.05	0.03	0.07	0.13	0.19	0.18	0.12	0.06	0.03	0.05	0.06	0.06	0.05	0.04	1.33	0.00		
64	0.03	0.05	0.08	0.09	0.12	0.19	0.33	0.51	0.64	0.61	0.42	0.22	0.10	0.08	0.08	0.07	0.06	0.04	3.70	0.00		
56	0.03	0.06	0.10	0.19	0.40	0.69	1.10	1.64	2.00	1.92	1.42	0.85	0.48	0.23	0.12	0.09	0.06	0.04	11.4	0.00		
48	0.03	0.06	0.14	0.43	0.94	1.81	2.92	4.18	5.06	4.89	3.70	2.34	1.33	0.65	0.26	0.11	0.07	0.04	29.0	18.5		
40	0.03	0.06	0.22	0.75	1.87	3.63	6.02	8.65	10.4	10.2	8.09	5.23	2.89	1.33	0.51	0.15	0.07	0.05	60.3	54.0		
32	0.03	0.06	0.32	1.11	2.95	6.02	10.6	15.2	18.1	17.6	13.8	9.26	5.02	2.23	0.79	0.23	0.08	0.05	104	99.0		
24	0.03	0.07	0.40	1.46	3.87	8.64	15.5	21.8	25.3	24.5	20.1	13.4	7.07	3.07	1.07	0.29	0.09	0.05	147	143		
	0.02	0.07	0.43	1.65	4.51	10.2	18.3	25.8	29.9	29.0	23.7	15.9	8.31	3.57	1.23	0.34	0.10	0.05	173	170		
	0.02	0.07	0.42	1.61	4.46	10.1	18.2	25.7	30.0	29.1	23.4	15.6	8.13	3.49	1.20	0.33	0.09	0.05	172	168		
	0.02	0.05	0.35	1.35	3.72	8.34	15.2	22.1	25.7	24.9	20.0	12.8	6.60	2.85	0.99	0.26	0.08	0.04	146	141		
	0.02	0.04	0.25	0.95	2.67	5.82	10.7	15.9	18.5	17.8	14.3	9.01	4.59	1.96	0.67	0.18	0.06	0.04	104	98.9		
-24	0.02	0.02	0.14	0.56	1.63	3.59	6.33	9.19	10.5	10.1	8.32	5.46	2.85	1.16	0.38	0.10	0.05	0.03	60.6	55.0		
-32	0.02	0.02	0.06	0.28	0.84	1.90	3.31	4.40	4.94	4.80	4.03	2.79	1.48	0.61	0.17	0.05	0.04	0.03	29.7	20.9		
-40	0.02	0.02	0.02	0.11	0.38	0.82	1.39	1.80	1.93	1.85	1.60	1.15	0.64	0.27	0.07	0.02	0.03	0.03	12.1	0.00		
-48	0.01	0.01	0.02	0.05	0.14	0.32	0.48	0.55	0.55	0.53	0.49	0.40	0.25	0.11	0.05	0.02	0.02	0.02	4.02	0.00		
-56	0.01	0.01	0.02	0.05	0.08	0.13	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.08	0.05	0.03	0.02	0.02	1.36	0.00		
-64	0.01	0.01	0.03	0.05	0.07	0.10	0.09	0.07	0.04	0.04	0.07	0.09	0.10	0.07	0.05	0.03	0.02	0.02	0.96	0.00		
-72																						
	-72	-64	-56	-48	-40	-32	-24	-16				16	24	32	40	48	56	64	72			
Φ t	0.43	0.81	3.11	10.7	28.7	62.5	111	158	184	179	144	94.8	50.0	21.8	7.79	2.40	1.02	0.68	1072			
Φ a	0.00	0.00	0.00	0.67	20.5	56.0	105	152	179	173	138	88.7	43.2	12.2	0.00	0.00	0.00	0.00		974		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 5700K

Report number:

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	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93														
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87														
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.81														
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76														
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.71														
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67														
7.0	.76	.70	.66	.75	.69	.66	.74	.69	.65	.73	.68	.65	.71	.68	.65	.63														
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60														
9.0	.68	.62	.58	.67	.62	.58	.66	.62	.58	.66	.61	.58	.65	.61	.58	.56														
10.0	.65	.59	.55	.64	.59	.55	.63	.58	.55	.63	.58	.55	.62	.58	.55	.53														



Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER:															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: LUKE 12								TYPE: 5700K CRI-90				WEIGHT:			
SPECIFICATION: OSRAM 250 MA								DIMENSION: OUTER-75 CUTOUT-70 H-70				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	.178	.101	.032	.172	.098	.031	.159	.091	.029	.147	.085	.027	.137	.079	.026	
2.0	.169	.093	.028	.163	.090	.028	.153	.085	.026	.143	.080	.025	.134	.076	.024	
3.0	.160	.085	.026	.155	.083	.025	.146	.079	.024	.138	.076	.023	.130	.072	.022	
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.133	.071	.022	.126	.069	.021	
5.0	.144	.074	.021	.141	.072	.021	.134	.070	.021	.128	.067	.020	.122	.065	.020	
6.0	.138	.069	.020	.134	.068	.020	.128	.066	.019	.123	.064	.019	.118	.062	.018	
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.061	.018	.114	.059	.017	
8.0	.125	.061	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016	
9.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.102	.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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.078	.060	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.073	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER:										
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019										
NAME: LUKE 12					TYPE: 5700K CRI-90			WEIGHT:		
SPECIFICATION: OSRAM 250 MA					DIMENSION: OUTER-75 CUTOUT-70 H-70			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	5.9	6.8	6.1	7.0	7.1	7.0	7.9	7.2	8.1	8.3
3H	5.8	6.7	6.1	6.9	7.1	6.9	7.7	7.1	7.9	8.1
4H	5.8	6.7	6.1	6.9	7.1	6.8	7.6	7.1	7.8	8.0
6H	6.0	6.8	6.3	7.0	7.2	6.7	7.5	7.0	7.7	8.0
8H	6.2	6.9	6.5	7.1	7.4	6.7	7.4	7.0	7.7	8.0
12H	6.4	7.1	6.7	7.4	7.7	6.7	7.4	7.0	7.7	8.0
4H 2H	5.7	6.5	5.9	6.7	6.9	6.8	7.6	7.0	7.8	8.0
3H	5.6	6.3	5.9	6.6	6.8	6.7	7.4	7.0	7.6	7.9
4H	5.7	6.3	6.0	6.6	6.9	6.7	7.3	7.0	7.6	7.9
6H	5.9	6.4	6.3	6.8	7.1	6.7	7.2	7.0	7.6	7.9
8H	6.1	6.6	6.5	7.0	7.4	6.7	7.2	7.1	7.6	7.9
12H	6.5	7.0	7.0	7.4	7.8	6.7	7.2	7.2	7.6	8.0
8H 4H	5.6	6.1	6.0	6.5	6.8	6.6	7.1	7.0	7.5	7.8
6H	5.8	6.3	6.3	6.7	7.1	6.7	7.2	7.2	7.6	8.0
8H	6.1	6.5	6.6	6.9	7.4	6.9	7.3	7.3	7.7	8.1
12H	6.7	7.0	7.2	7.5	7.9	7.1	7.4	7.6	7.9	8.3
12H 4H	5.6	6.1	6.0	6.4	6.8	6.5	7.0	7.0	7.4	7.8
6H	5.9	6.2	6.3	6.7	7.1	6.7	7.1	7.2	7.5	8.0
8H	6.2	6.5	6.6	6.9	7.4	7.0	7.3	7.4	7.7	8.2

Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 4.0					+ 2.2 / - 4.9				
1.5H	+ 4.3 / - 4.7					+ 4.0 / - 4.9				
2.0H	+ 5.3 / - 2.0					+ 5.2 / - 2.7				

CIE Pub.117 Corrected 1072 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	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) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	92	89	97	92	88	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

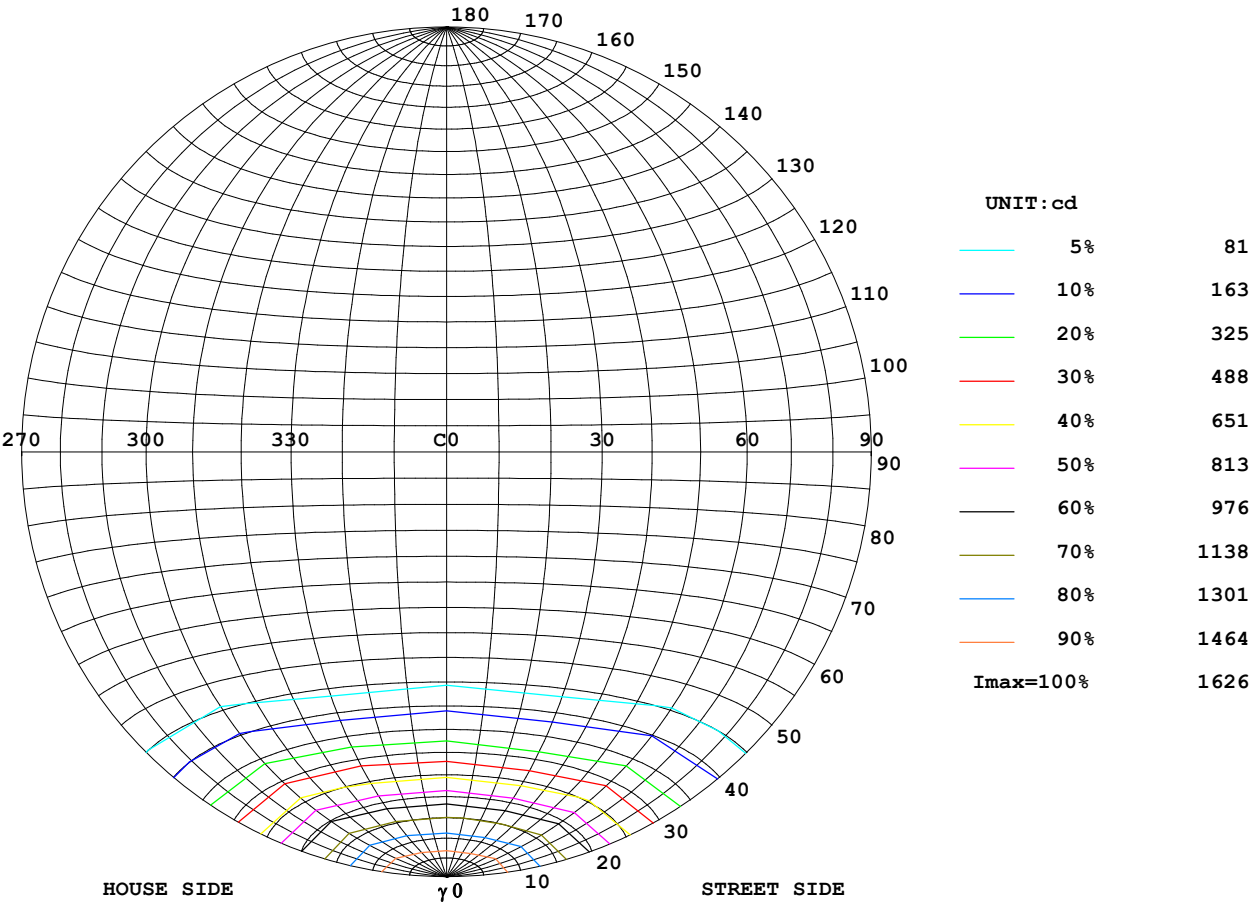
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 16.26 lx



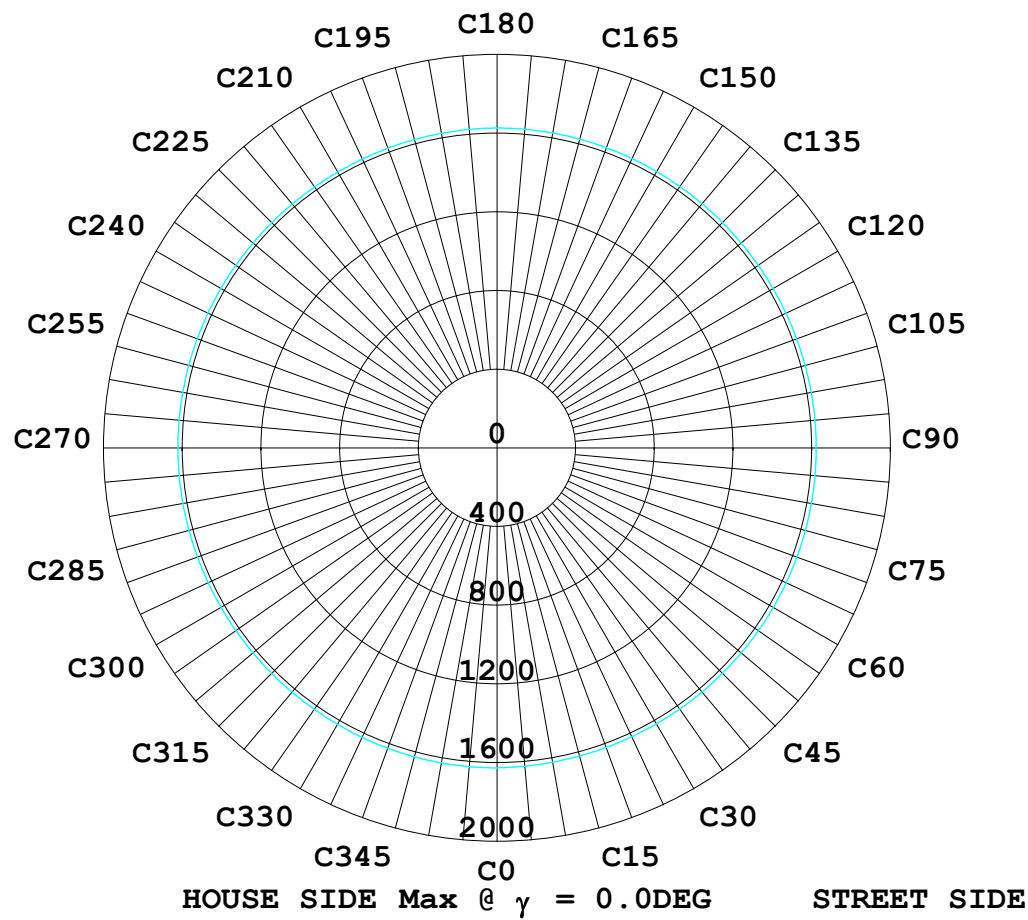
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: LUKE 12	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250 MA	DIMENSION: OUTER-75 CUTOUT-70 H-70	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1626	1620	1622	1622	1621	1623	1626	1620	1622	1622	1621	1623
5.0	1528	1528	1556	1562	1584	1585	1603	1597	1570	1555	1529	1536
10.0	1355	1355	1400	1413	1463	1457	1473	1474	1429	1411	1374	1382
15.0	1141	1133	1185	1209	1269	1264	1274	1273	1220	1206	1155	1166
20.0	888	871	935	958	1028	1014	1036	1033	972	967	901	917
25.0	616	595	662	681	747	733	765	760	695	694	622	642
30.0	403	374	438	446	497	480	503	509	455	457	431	413
35.0	246	226	273	270	302	292	310	301	280	288	236	256
40.0	139	123	159	154	189	172	184	195	161	167	128	145
45.0	71.6	60.1	84.8	78.5	103	88.5	96.5	108	81.0	87.1	60.1	74.0
50.0	35.7	25.5	41.2	33.1	50.3	37.7	43.7	54.2	35.2	43.0	26.3	37.2
55.0	14.7	7.60	20.0	13.2	25.5	15.7	19.2	27.4	14.1	19.9	5.60	14.7
60.0	9.20	1.90	9.20	2.10	10.2	2.40	4.40	10.5	2.10	9.09	1.40	8.50
65.0	7.50	1.40	7.10	1.20	7.50	1.20	3.10	7.80	1.10	7.10	1.10	6.80
70.0	6.60	1.40	6.20	1.20	6.40	1.10	3.00	6.50	1.10	6.10	1.10	6.00
75.0	5.90	1.60	5.50	1.30	5.50	1.30	3.10	5.70	1.20	5.30	1.20	5.20
80.0	5.40	1.70	5.00	1.30	5.00	1.30	3.30	5.10	1.30	4.90	1.10	4.70
85.0	5.00	1.80	4.70	1.60	4.70	1.50	3.40	4.60	1.30	4.30	1.30	4.20
90.0	4.60	2.40	4.30	2.00	4.20	2.00	4.70	4.00	1.80	3.80	1.70	3.70

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:09-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 5700K