

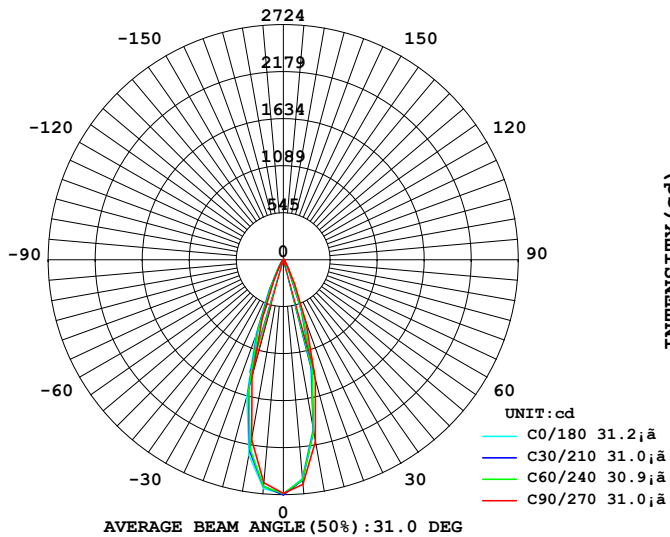
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

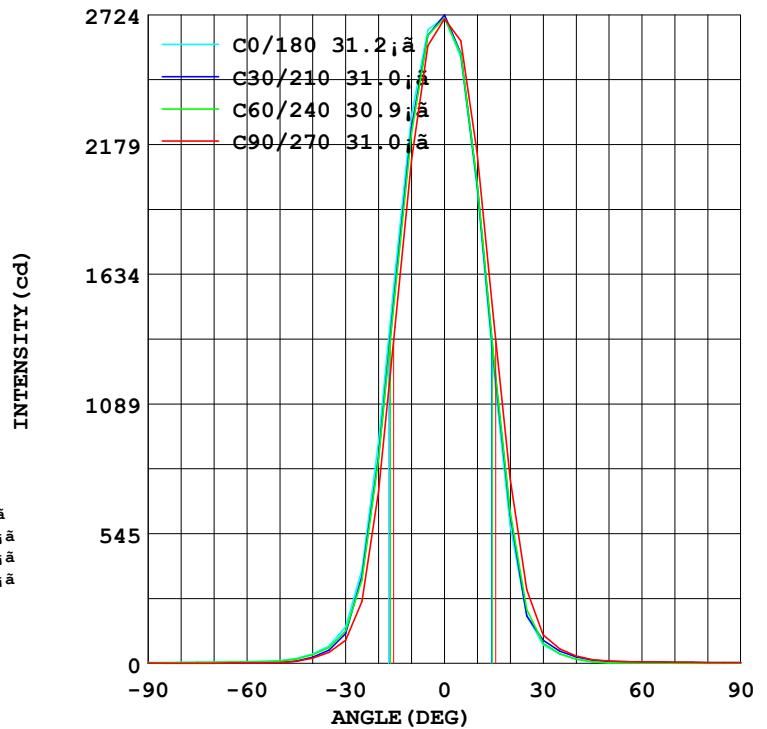
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	2724	S/MH (C0/180)	0.54
MODEL	SERA	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	848.51	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	72.2	Current (A)	0.059
NOMINAL FLUX (lm)	848.5	η up (%)	0.0	Power (W)	11.75
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.966
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	745.0	EEI	0.194

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 07-28-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 8.600 m
Remarks: 3000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:

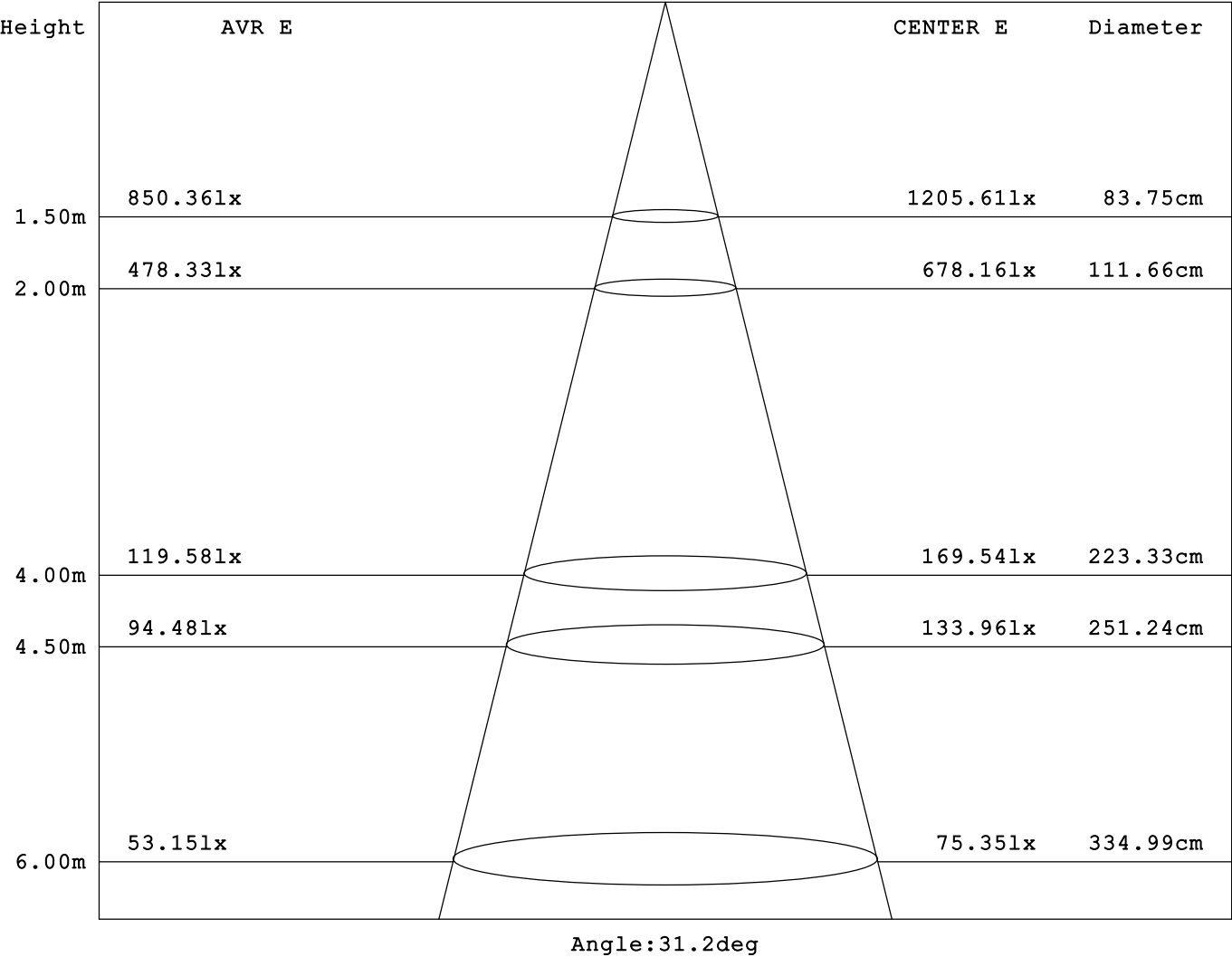
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	2303	2239	2115	1998	1990	2016	2142	2267	0- 10	232.7	232.7
20.0	933.3	864.8	723.2	603.4	579.7	632.2	777.1	909.6	10- 20	390.4	623.2
30.0	153.3	130.9	97.84	89.89	78.47	91.04	120.6	137.4	20- 30	161.2	784.4
40.0	39.93	31.35	21.59	24.00	18.56	22.74	31.72	32.72	30- 40	38.37	822.8
50.0	11.31	6.989	2.958	5.953	3.845	5.879	9.466	7.100	40- 50	11.36	834.2
60.0	7.100	4.289	1.849	3.993	2.958	3.919	6.286	4.141	50- 60	4.686	838.9
70.0	5.399	3.217	1.331	2.995	2.736	3.032	4.733	3.106	60- 70	3.699	842.6
80.0	4.363	2.662	1.257	2.440	2.736	2.440	3.698	2.477	70- 80	3.114	845.7
90.0	3.624	2.551	1.627	2.403	3.698	2.181	2.884	2.218	80- 90	2.792	848.5
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:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 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	450	144
80	251	72
75	186	49
70	158	39
65	147	37
60	142	37
55	148	37
50	176	46
45	286	115

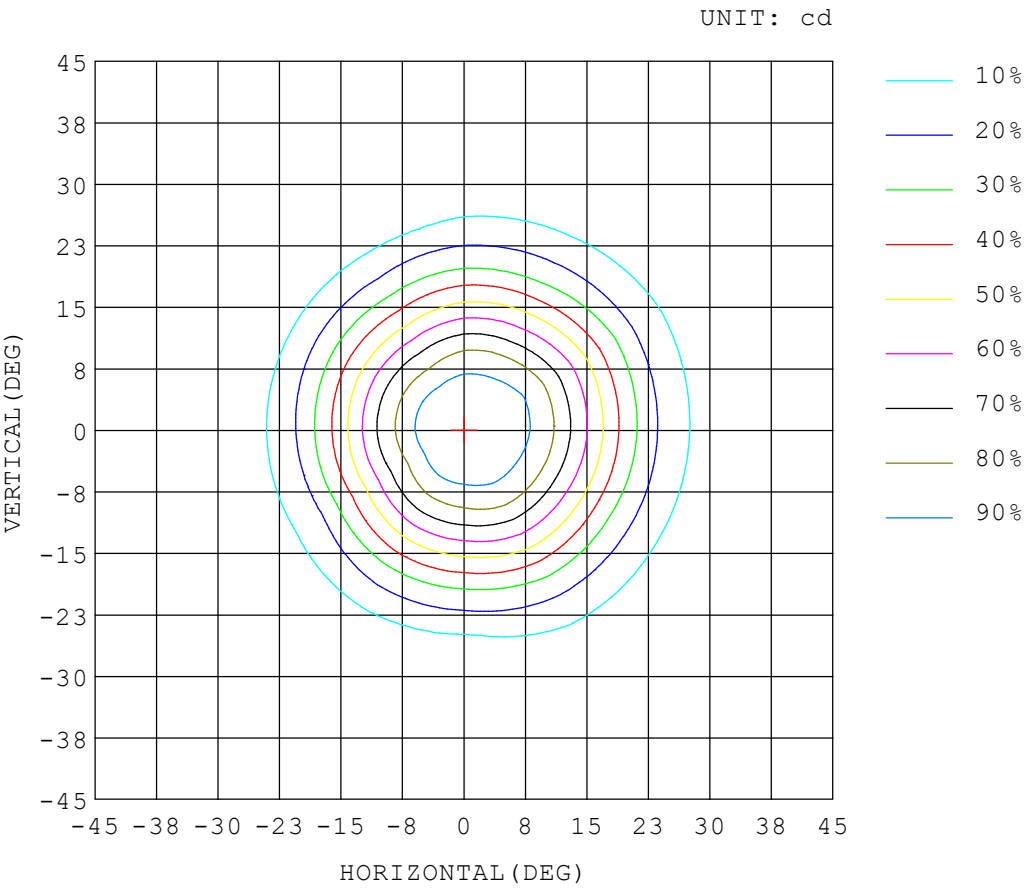
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:



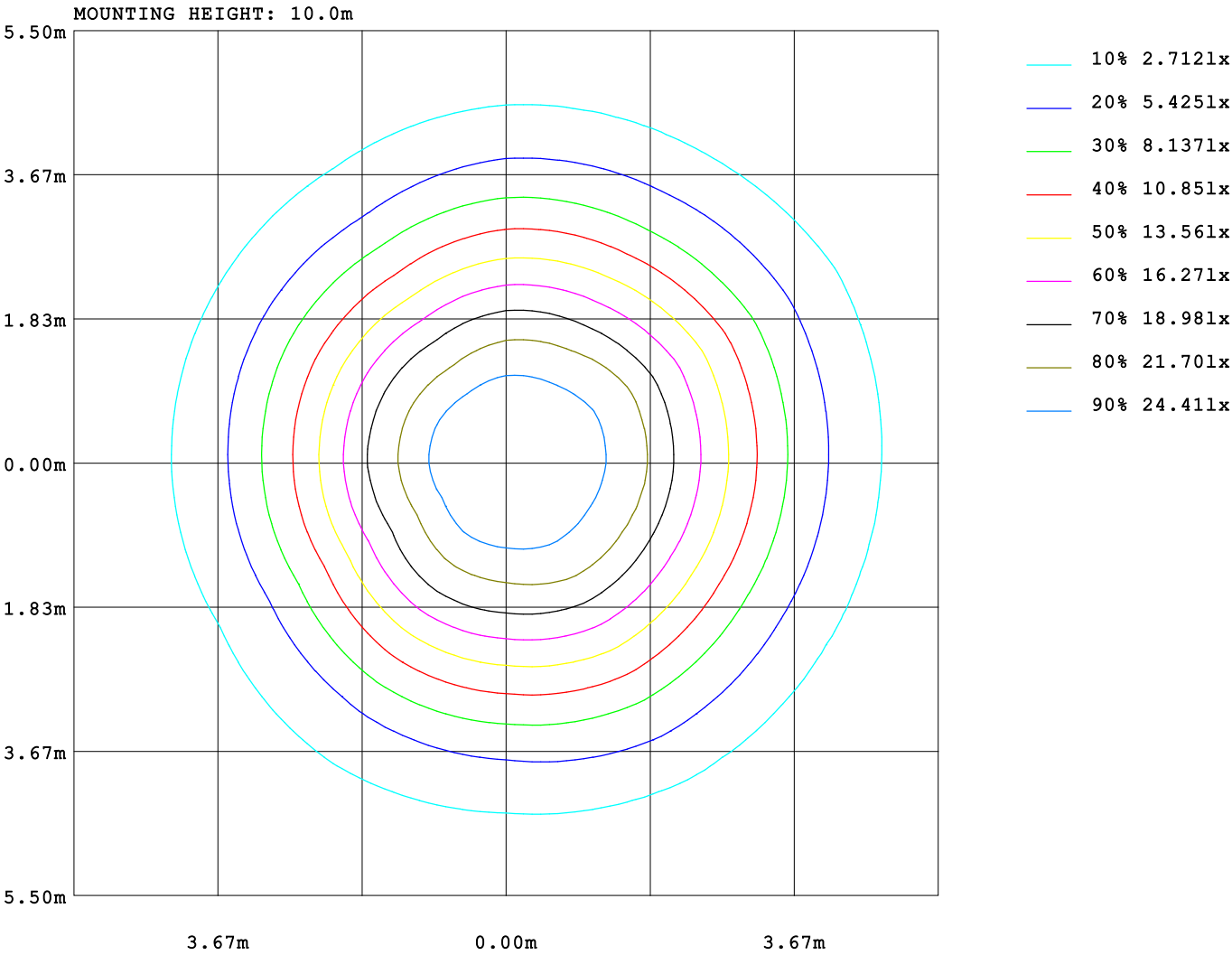
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: SERA DOWNLIGHTER

TYPE: 3000K CRI-90

WEIGHT:

SPECIFICATION: OSRAM 350 MA

DIMENSION: D-86 CUT-75 H-80 MM

SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm				Φ t	Φ a
	0.03	0.03	0.03	0.03	0.04	0.06	0.10	0.13	0.17	0.17	0.15	0.11	0.07	0.05	0.04	0.04	0.04	0.04	1.33	0.00				
45																								
40	0.04	0.04	0.05	0.06	0.09	0.13	0.20	0.27	0.33	0.34	0.30	0.24	0.17	0.12	0.09	0.07	0.05	0.04	2.62	0.00				
35	0.05	0.06	0.08	0.13	0.18	0.26	0.38	0.53	0.65	0.67	0.59	0.46	0.33	0.25	0.18	0.12	0.08	0.06	5.05	0.00				
30	0.05	0.08	0.14	0.22	0.33	0.49	0.75	1.16	1.51	1.62	1.41	1.00	0.67	0.46	0.32	0.20	0.12	0.07	10.6	0.96				
25	0.06	0.11	0.21	0.35	0.57	0.98	1.69	2.84	3.82	4.10	3.56	2.57	1.58	0.87	0.51	0.31	0.18	0.09	24.4	17.0				
20	0.07	0.14	0.28	0.51	0.94	1.95	3.87	6.05	7.88	8.34	7.29	5.44	3.32	1.71	0.82	0.42	0.23	0.12	49.4	44.0				
15	0.07	0.16	0.34	0.67	1.46	3.71	6.94	10.2	12.8	13.4	11.9	9.18	5.83	2.85	1.19	0.55	0.28	0.14	81.9	77.4				
	0.08	0.18	0.38	0.83	2.21	5.43	9.91	14.3	17.2	17.9	16.3	12.6	8.03	3.95	1.60	0.66	0.32	0.16	112	108				
	0.08	0.18	0.39	0.93	2.68	6.43	11.6	16.7	19.7	20.1	18.5	14.4	9.18	4.60	1.82	0.72	0.34	0.17	129	125				
	0.07	0.17	0.37	0.91	2.62	6.27	11.4	16.4	19.5	20.1	18.2	14.1	8.97	4.48	1.78	0.70	0.33	0.16	127	123				
	0.06	0.16	0.34	0.77	2.06	4.98	9.41	14.2	17.3	17.8	16.0	12.0	7.47	3.66	1.47	0.60	0.29	0.14	109	105				
-15	0.05	0.13	0.28	0.57	1.33	3.36	6.75	10.4	12.8	13.4	12.0	8.85	5.29	2.50	1.02	0.46	0.23	0.11	79.8	75.5				
-20	0.04	0.10	0.21	0.40	0.87	1.94	3.94	6.17	7.74	8.16	7.32	5.35	3.06	1.49	0.64	0.32	0.17	0.08	48.0	43.1				
-25	0.03	0.07	0.15	0.30	0.55	1.04	1.85	2.83	3.56	3.80	3.41	2.52	1.54	0.80	0.42	0.22	0.11	0.06	23.2	16.2				
-30	0.02	0.04	0.11	0.21	0.36	0.58	0.85	1.13	1.32	1.41	1.34	1.08	0.76	0.47	0.28	0.15	0.07	0.03	10.2	0.00				
-35	0.01	0.03	0.07	0.14	0.23	0.35	0.44	0.51	0.55	0.57	0.58	0.52	0.42	0.29	0.18	0.10	0.05	0.02	5.06	0.00				
-40	0.02	0.03	0.05	0.09	0.15	0.20	0.24	0.26	0.26	0.27	0.28	0.27	0.24	0.17	0.11	0.06	0.03	0.02	2.74	0.00				
-45	0.02	0.03	0.04	0.06	0.09	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.10	0.07	0.04	0.03	0.02	1.47	0.00				
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45				
Φ t	0.85	1.75	3.51	7.20	16.8	38.3	70.6	105	128	133	120	91.0	57.0	28.8	12.5	5.74	2.94	1.52	849					
Φ a	0.00	0.00	0.00	0.00	8.32	32.2	65.3	99.3	123	128	115	86.3	52.0	22.9	3.49	0.00	0.00	0.00		745				

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:07-28-2025

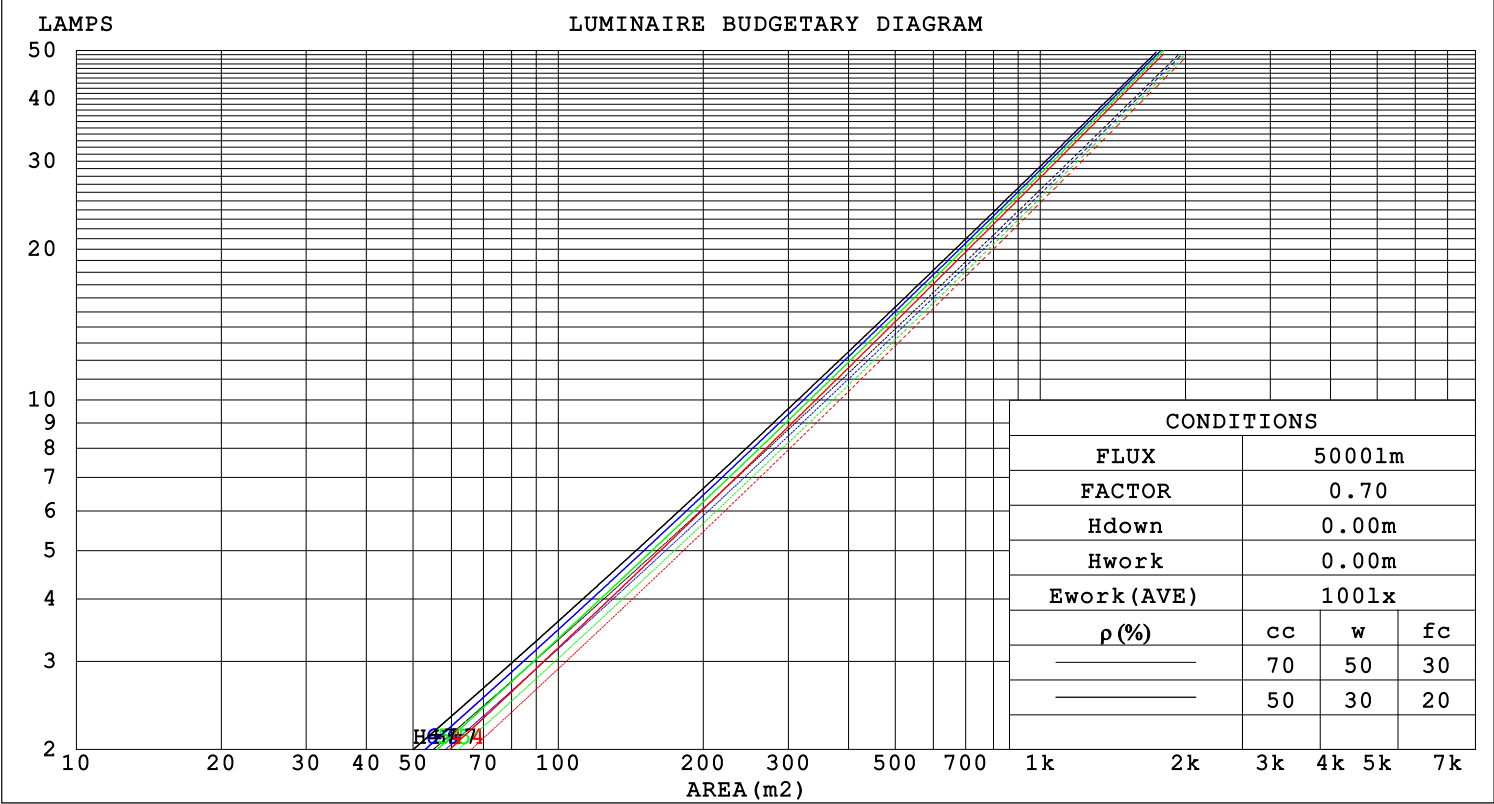
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.600 m
 Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,															
NAME: SERA DOWNLIGHTER								TYPE: 3000K CRI-90				WEIGHT:			
SPECIFICATION: OSRAM 350 MA								DIMENSION: D-86 CUT-75 H-80 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 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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.83	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.78	.75	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.74	.73
9.0	.80	.76	.73	.80	.75	.73	.79	.75	.72	.78	.75	.72	.77	.74	.72	.71
10.0	.77	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,														
NAME: SERA DOWNLIGHTER							TYPE: 3000K CRI-90					WEIGHT:		
SPECIFICATION: OSRAM 350 MA							DIMENSION: D-86 CUT-75 H-80 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	.150	.086	.027	.144	.082	.026	.131	.075	.024	.120	.069	.022	.109	.063	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.114	.064	.020	.105	.059	.019	
3.0	.129	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017	
4.0	.121	.063	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	.097	.053	.016	
5.0	.114	.058	.017	.111	.057	.017	.105	.054	.016	.099	.052	.016	.093	.050	.015	
6.0	.108	.054	.016	.105	.053	.015	.100	.051	.015	.095	.049	.014	.090	.047	.014	
7.0	.103	.051	.014	.100	.050	.014	.096	.048	.014	.091	.047	.014	.087	.045	.013	
8.0	.098	.048	.013	.096	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.013	
9.0	.094	.045	.013	.092	.045	.013	.088	.044	.012	.085	.042	.012	.081	.041	.012	
10.0	.090	.043	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	.079	.040	.011	

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	.169	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.039	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.030	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.600 m
 Remarks: 3000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,											
NAME: SERA DOWNLIGHTER					TYPE: 3000K CRI-90			WEIGHT:			
SPECIFICATION: OSRAM 350 MA					DIMENSION: D-86 CUT-75 H-80 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		-2.2	-1.5	-2.0	-1.3	-1.2	-2.7	-1.9	-2.4	-1.8	-1.6
	3H	-1.4	-0.8	-1.2	-0.6	-0.4	-2.3	-1.6	-2.1	-1.4	-1.2
	4H	-0.7	-0.1	-0.4	0.1	0.4	-2.1	-1.4	-1.8	-1.2	-1.0
	6H	0.4	1.0	0.7	1.2	1.5	-1.7	-1.1	-1.5	-0.9	-0.7
	8H	1.1	1.7	1.4	1.9	2.2	-1.6	-1.0	-1.3	-0.7	-0.5
	12H	2.0	2.5	2.3	2.8	3.1	-1.3	-0.7	-1.0	-0.4	-0.2
4H	2H	-2.2	-1.6	-1.9	-1.3	-1.1	-2.5	-1.9	-2.3	-1.7	-1.5
	3H	-1.4	-0.8	-1.1	-0.5	-0.3	-1.7	-1.1	-1.3	-0.8	-0.6
	4H	-0.5	-0.0	-0.2	0.3	0.6	-1.0	-0.5	-0.7	-0.2	0.1
	6H	0.8	1.2	1.2	1.6	1.9	-0.4	0.1	0.0	0.4	0.8
	8H	1.6	2.1	2.0	2.4	2.8	-0.0	0.4	0.4	0.7	1.1
	12H	2.8	3.2	3.2	3.5	3.9	0.4	0.8	0.8	1.2	1.6
8H	4H	-0.3	0.1	0.1	0.5	0.8	-0.7	-0.3	-0.3	0.1	0.4
	6H	1.0	1.4	1.4	1.8	2.2	0.6	0.9	1.0	1.3	1.7
	8H	1.9	2.3	2.4	2.7	3.1	1.3	1.6	1.8	2.1	2.5
	12H	3.3	3.6	3.8	4.0	4.5	2.1	2.4	2.6	2.9	3.3
12H	4H	-0.2	0.2	0.2	0.6	1.0	-0.7	-0.3	-0.3	0.1	0.5
	6H	1.2	1.5	1.6	1.9	2.4	0.7	1.0	1.2	1.5	1.9
	8H	2.1	2.4	2.6	2.8	3.3	1.7	2.0	2.2	2.4	2.9
Variations with the observer position at spacings:											
S = 1.0H		+ 1.2 / - 0.7					+ 0.7 / - 0.6				
1.5H		+ 2.5 / - 0.9					+ 1.5 / - 0.8				
2.0H		+ 1.8 / - 0.6					+ 0.7 / - 0.7				

CIE Pub.117 Corrected 848.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.6)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 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	84	80	89	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	88
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	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		

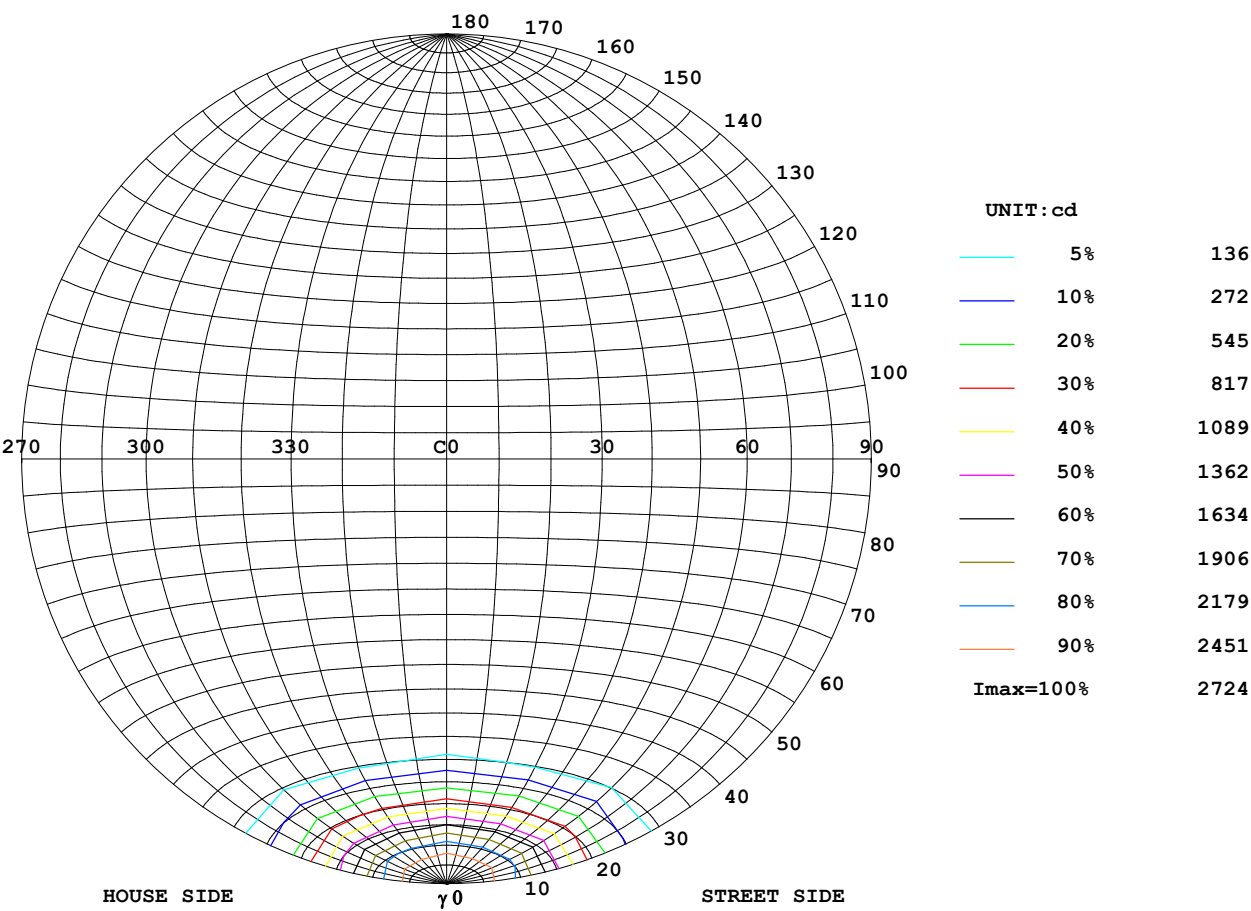
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 07-28-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.600 m
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

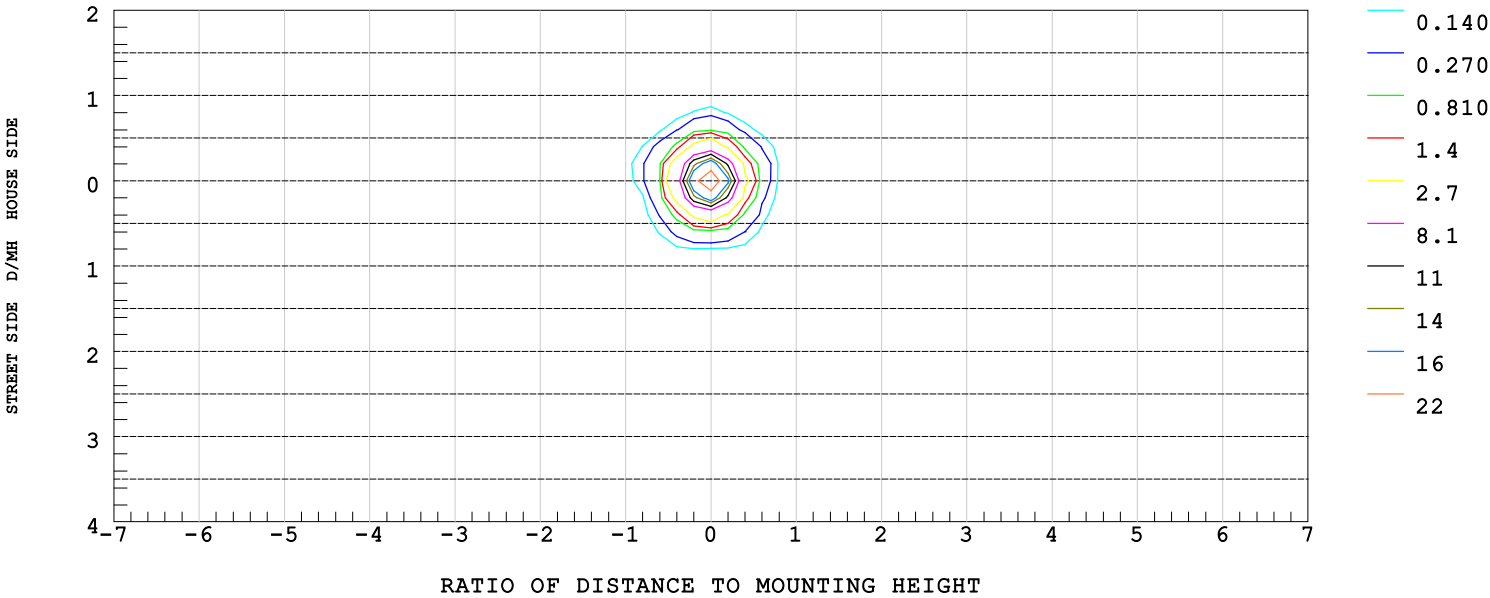
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 27.13 lx



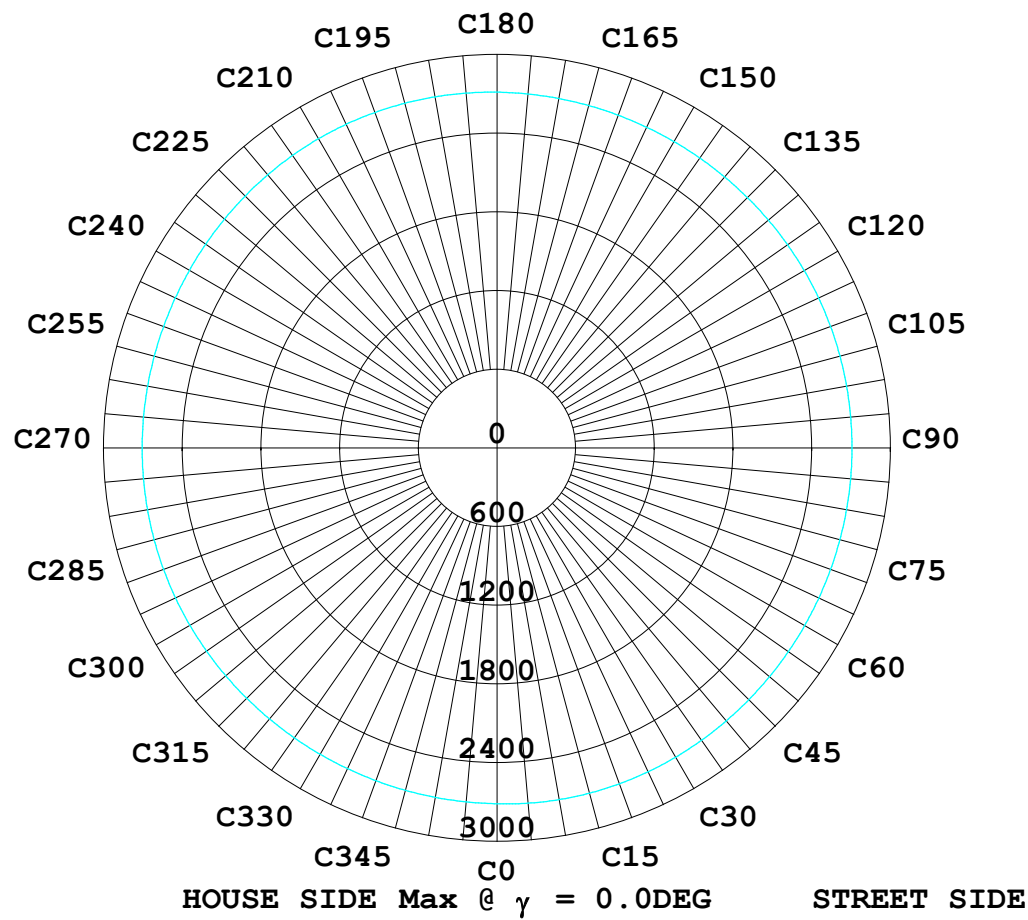
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-28-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,		
NAME: SERA DOWNLIGHTER	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 350 MA	DIMENSION: D-86 CUT-75 H-80 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2713	2724	2709	2706	2705	2698	2713	2724	2709	2706	2705	2698
5.0	2662	2637	2638	2594	2573	2508	2545	2562	2559	2614	2635	2672
10.0	2303	2251	2226	2115	2066	1930	1990	2013	2019	2142	2206	2329
15.0	1634	1570	1550	1410	1339	1183	1226	1270	1283	1436	1523	1672
20.0	933	869	860	723	666	540	580	626	638	777	841	978
25.0	395	367	349	260	254	185	201	200	226	310	360	422
30.0	153	125	137	97.8	105	75.1	78.4	97.3	84.7	121	116	159
35.0	73.3	55.1	66.9	46.1	56.1	38.1	39.8	51.9	40.6	60.6	52.1	75.5
40.0	39.9	26.4	36.3	21.5	30.5	17.4	18.5	27.3	18.1	31.7	24.2	41.1
45.0	20.1	10.3	18.1	8.13	16.2	6.50	7.17	13.7	6.28	15.6	8.57	20.1
50.0	11.3	3.69	10.2	2.95	9.31	2.58	3.84	9.09	2.66	9.46	2.88	11.3
55.0	8.50	2.44	7.91	2.14	7.46	1.92	3.18	7.39	1.99	7.54	2.07	8.06
60.0	7.10	1.99	6.58	1.84	6.28	1.70	2.95	6.21	1.62	6.28	1.70	6.58
65.0	6.21	1.77	5.69	1.55	5.47	1.47	2.81	5.39	1.47	5.54	1.55	5.69
70.0	5.39	1.55	4.88	1.33	4.73	1.25	2.73	4.73	1.33	4.73	1.25	4.95
75.0	4.80	1.47	4.28	1.25	4.14	1.18	2.73	4.21	1.25	4.21	1.25	4.36
80.0	4.36	1.47	3.84	1.25	3.69	1.18	2.73	3.77	1.10	3.69	1.10	3.84
85.0	3.91	1.40	3.55	1.25	3.47	1.18	2.81	3.40	1.10	3.40	1.10	3.47
90.0	3.62	1.84	3.25	1.62	3.18	1.62	3.69	2.95	1.40	2.88	1.40	3.03

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.600 m
Remarks: 3000K