

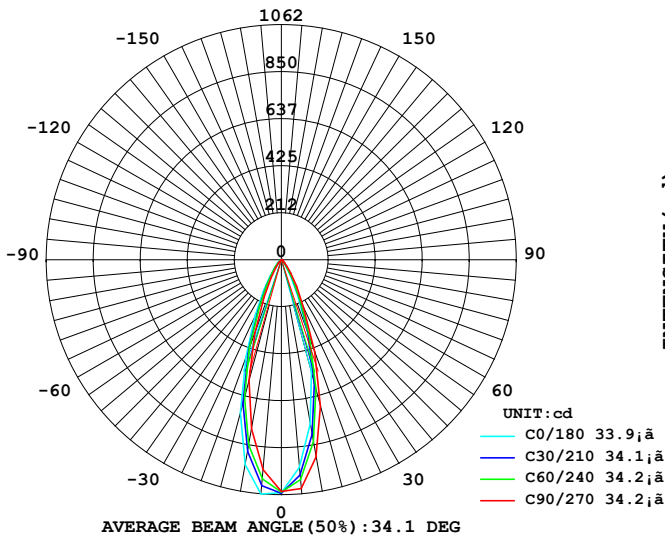
### LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

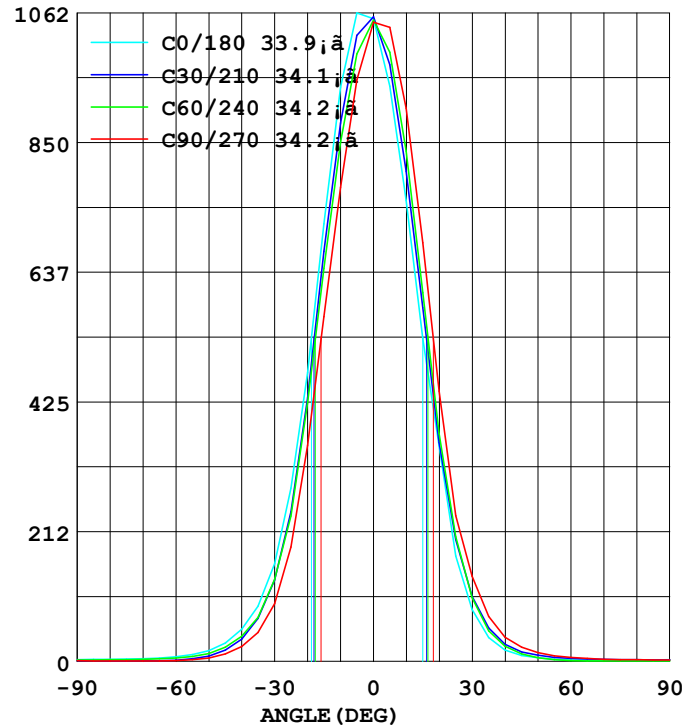
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1075	S/MH (C0/180)	0.61
MODEL	MONOCULARS HB	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.52
NOMINAL POWER (W)	5	TOTAL FLUX (lm)	441.76	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	84.1	Current (A)	0.025
NOMINAL FLUX (lm)	441.8	$\eta$ up (%)	0.0	Power (W)	5.250
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.972
TEST VOLTAGE (V)	219.5	Effective Flux (lm)	377.6	EEL	0.147

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

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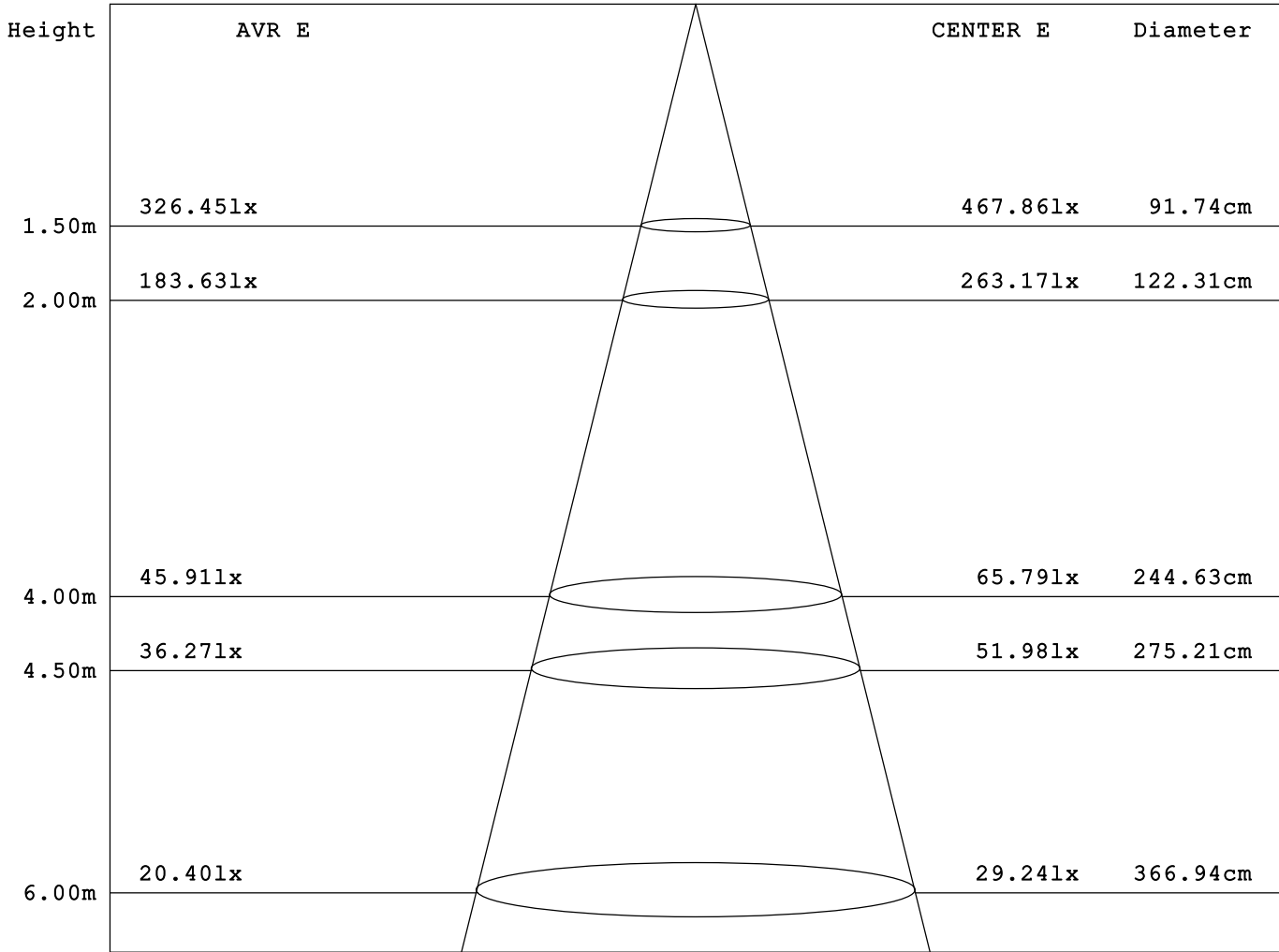
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 03-30-2026

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

**AVERAGE AND CENTER E Figure**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:



Angle: 34.0deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 03-30-2026

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: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	940.5	866.0	776.6	741.5	755.0	819.0	905.6	959.0	0- 10	90.43	90.43
20.0	473.1	427.5	353.8	314.3	352.9	365.5	442.7	487.8	10- 20	172.0	262.5
30.0	160.1	133.9	94.85	84.28	85.21	105.5	139.5	152.2	20- 30	108.8	371.3
40.0	52.89	38.83	24.46	22.07	18.71	26.48	39.44	42.28	30- 40	42.43	413.8
50.0	17.41	10.85	5.427	6.561	5.913	8.019	14.41	12.59	40- 50	15.08	428.8
60.0	7.452	3.766	1.458	2.835	2.511	3.240	6.399	4.414	50- 60	5.687	434.5
70.0	4.374	2.268	0.648	1.863	2.106	2.106	3.645	2.268	60- 70	2.972	437.5
80.0	3.402	1.863	0.729	1.660	2.187	1.701	2.673	1.701	70- 80	2.207	439.7
90.0	2.835	1.822	1.053	1.539	3.078	1.579	2.106	1.539	80- 90	2.006	441.7
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:03-30-2026

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

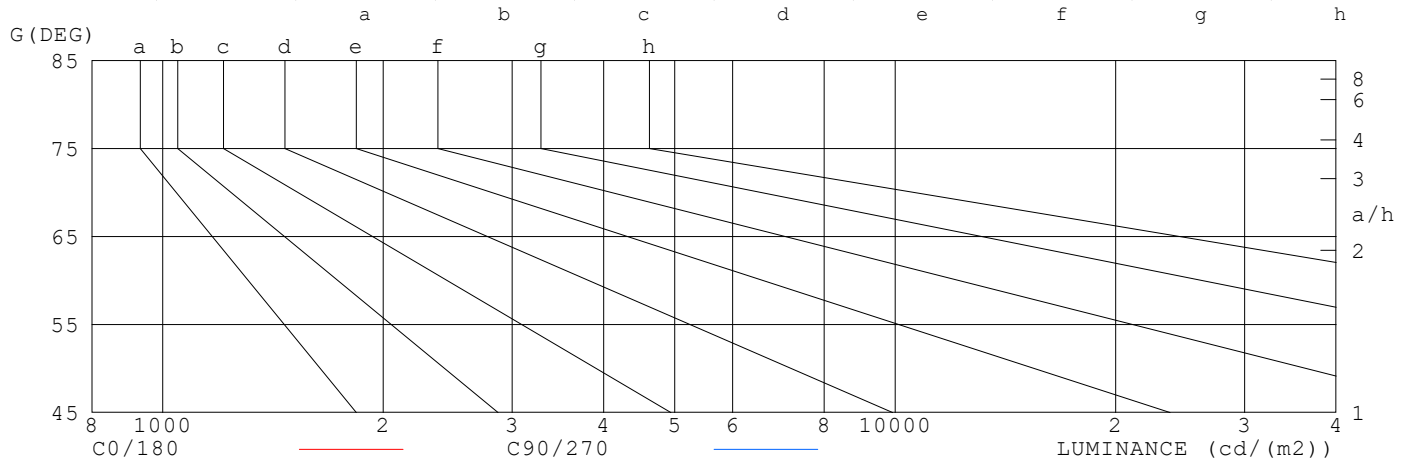
**LUMINANCE LIMITATION CURVES**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

**LUMINANCE LIMITATION CURVES**

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
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	362	84
80	196	42
75	144	25
70	128	19
65	132	23
60	149	29
55	195	47
50	271	84
45	428	178

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

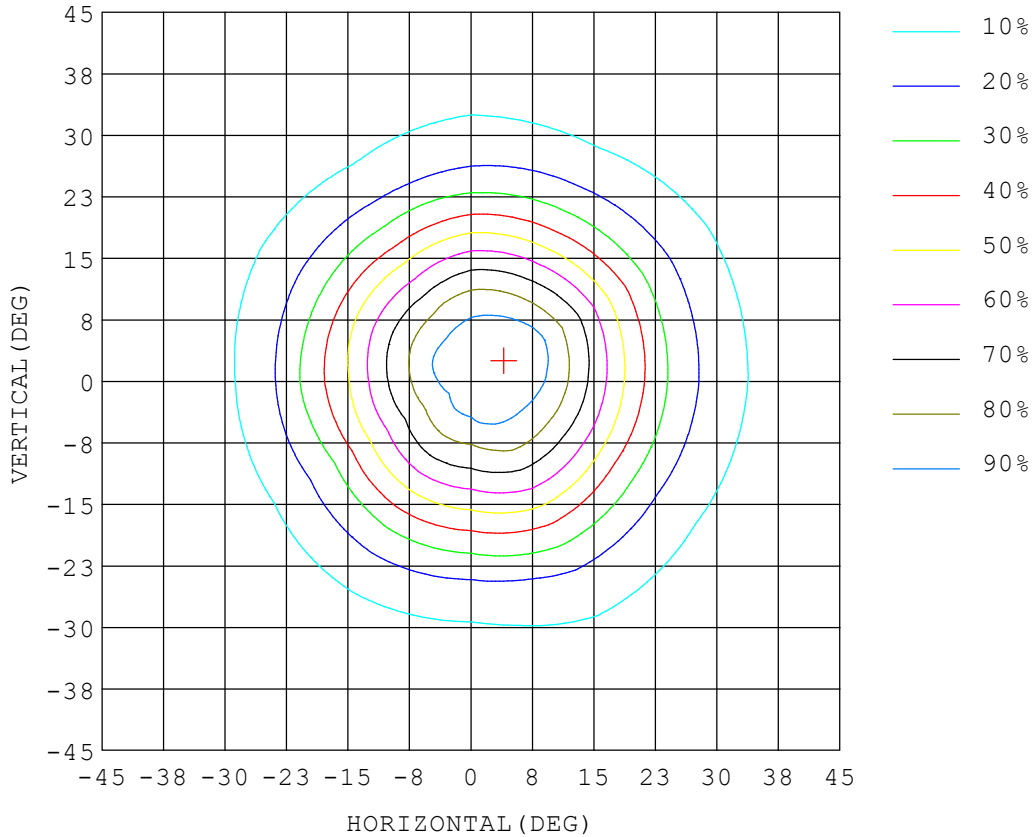
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.000 m  
 Remarks: 4000K

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

UNIT: cd



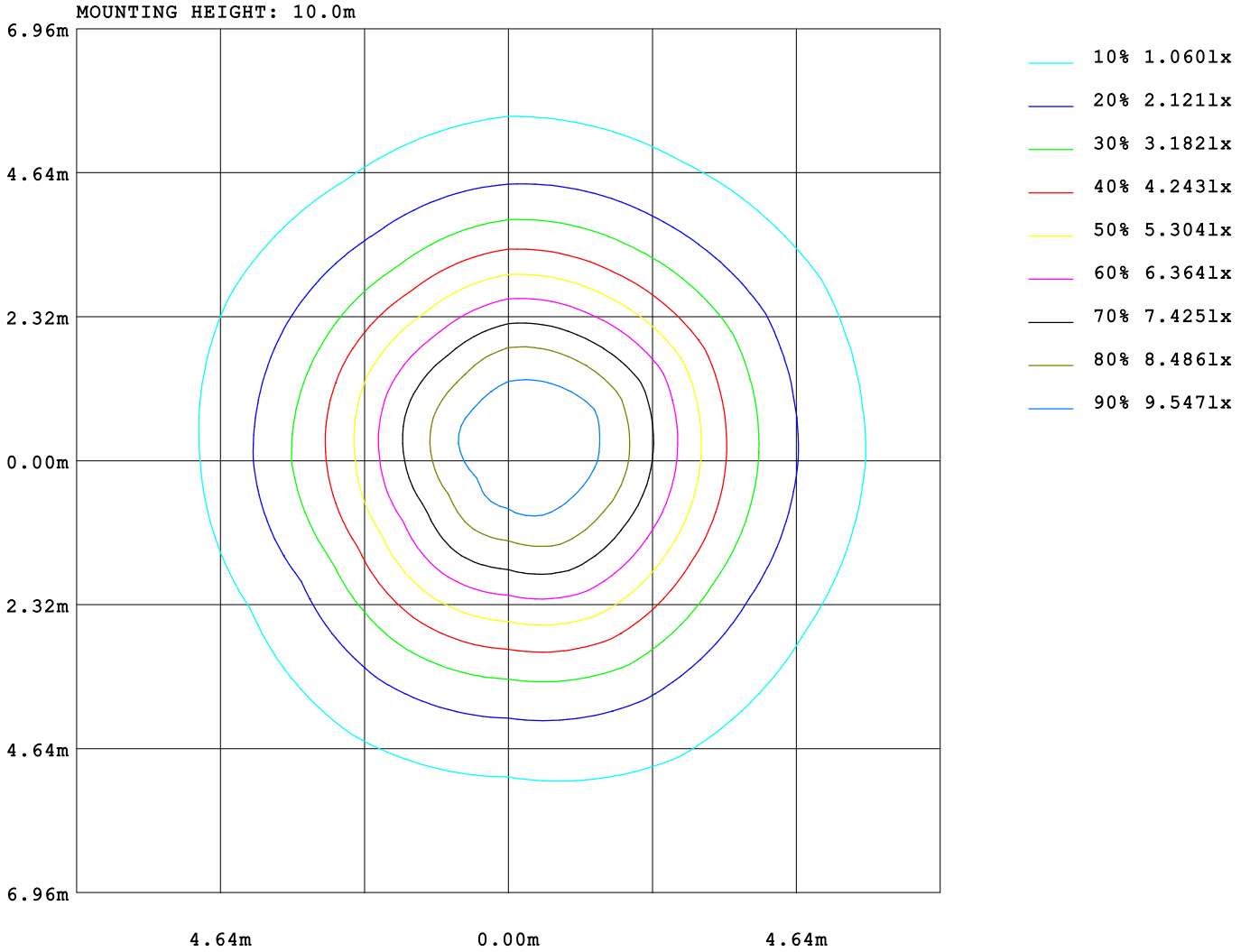
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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

**ISOLUX DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 03-30-2026

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: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	Φ t	Φ a	
45	0.03	0.04	0.04	0.06	0.07	0.10	0.15	0.19	0.23	0.23	0.21	0.17	0.13	0.10	0.08	0.07	0.05	0.04	1.99	0.00		
40	0.04	0.05	0.07	0.09	0.13	0.18	0.26	0.34	0.41	0.42	0.37	0.31	0.23	0.18	0.14	0.11	0.08	0.06	3.47	0.00		
35	0.05	0.07	0.10	0.15	0.23	0.32	0.47	0.63	0.77	0.79	0.71	0.57	0.43	0.33	0.24	0.17	0.12	0.08	6.23	1.05		
30	0.06	0.09	0.15	0.25	0.39	0.59	0.85	1.14	1.36	1.43	1.31	1.06	0.80	0.57	0.40	0.26	0.17	0.11	11.0	7.34		
25	0.07	0.12	0.22	0.38	0.64	1.01	1.47	2.01	2.45	2.57	2.33	1.89	1.40	0.95	0.61	0.39	0.23	0.14	18.9	16.1		
20	0.08	0.15	0.29	0.56	0.98	1.60	2.40	3.28	4.05	4.26	3.84	3.10	2.23	1.47	0.90	0.52	0.29	0.17	30.1	28.0		
15	0.08	0.17	0.35	0.72	1.33	2.29	3.50	4.71	5.72	6.03	5.54	4.51	3.23	2.03	1.16	0.65	0.36	0.20	42.6	40.7		
10	0.09	0.18	0.40	0.84	1.64	2.90	4.42	5.91	7.01	7.41	6.96	5.74	4.01	2.46	1.38	0.75	0.40	0.22	52.7	51.0		
5	0.08	0.18	0.41	0.88	1.83	3.19	4.80	6.44	7.61	8.02	7.57	6.18	4.32	2.66	1.49	0.80	0.43	0.23	57.1	55.5		
0	0.08	0.17	0.39	0.84	1.75	3.05	4.58	6.11	7.28	7.73	7.23	5.91	4.16	2.56	1.44	0.78	0.42	0.23	54.7	53.1		
-5	0.07	0.16	0.34	0.72	1.44	2.53	3.90	5.35	6.36	6.71	6.29	5.10	3.56	2.19	1.25	0.68	0.37	0.20	47.2	45.5		
-10	0.06	0.13	0.27	0.55	1.06	1.89	3.05	4.21	4.94	5.21	4.95	3.98	2.74	1.68	0.98	0.55	0.31	0.17	36.7	34.8		
-15	0.05	0.10	0.20	0.40	0.76	1.34	2.12	2.88	3.38	3.57	3.41	2.77	1.91	1.21	0.72	0.41	0.23	0.13	25.6	23.4		
-20	0.04	0.08	0.15	0.28	0.51	0.86	1.31	1.72	1.99	2.11	2.02	1.70	1.24	0.82	0.50	0.29	0.17	0.10	15.9	13.3		
-25	0.03	0.05	0.11	0.19	0.32	0.51	0.73	0.93	1.05	1.11	1.10	0.99	0.77	0.53	0.34	0.21	0.11	0.06	9.16	5.37		
-30	0.02	0.04	0.08	0.13	0.21	0.30	0.39	0.48	0.53	0.57	0.59	0.54	0.46	0.34	0.23	0.14	0.08	0.04	5.15	0.00		
-35	0.01	0.03	0.05	0.09	0.13	0.18	0.22	0.25	0.27	0.29	0.31	0.30	0.27	0.21	0.15	0.09	0.06	0.03	2.95	0.00		
-40	0.01	0.02	0.04	0.06	0.09	0.11	0.13	0.14	0.14	0.15	0.17	0.17	0.16	0.13	0.09	0.06	0.04	0.02	1.73	0.00		
-45																						
Φ t	0.95	1.83	3.66	7.18	13.5	22.9	34.7	46.7	55.5	58.6	54.9	45.0	32.0	20.4	12.1	6.93	3.93	2.21	442			
Φ a	0.00	0.00	0.00	2.91	10.5	20.3	32.3	44.5	53.4	56.5	52.8	42.8	29.7	17.8	9.03	2.51	0.00	0.00		378		

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

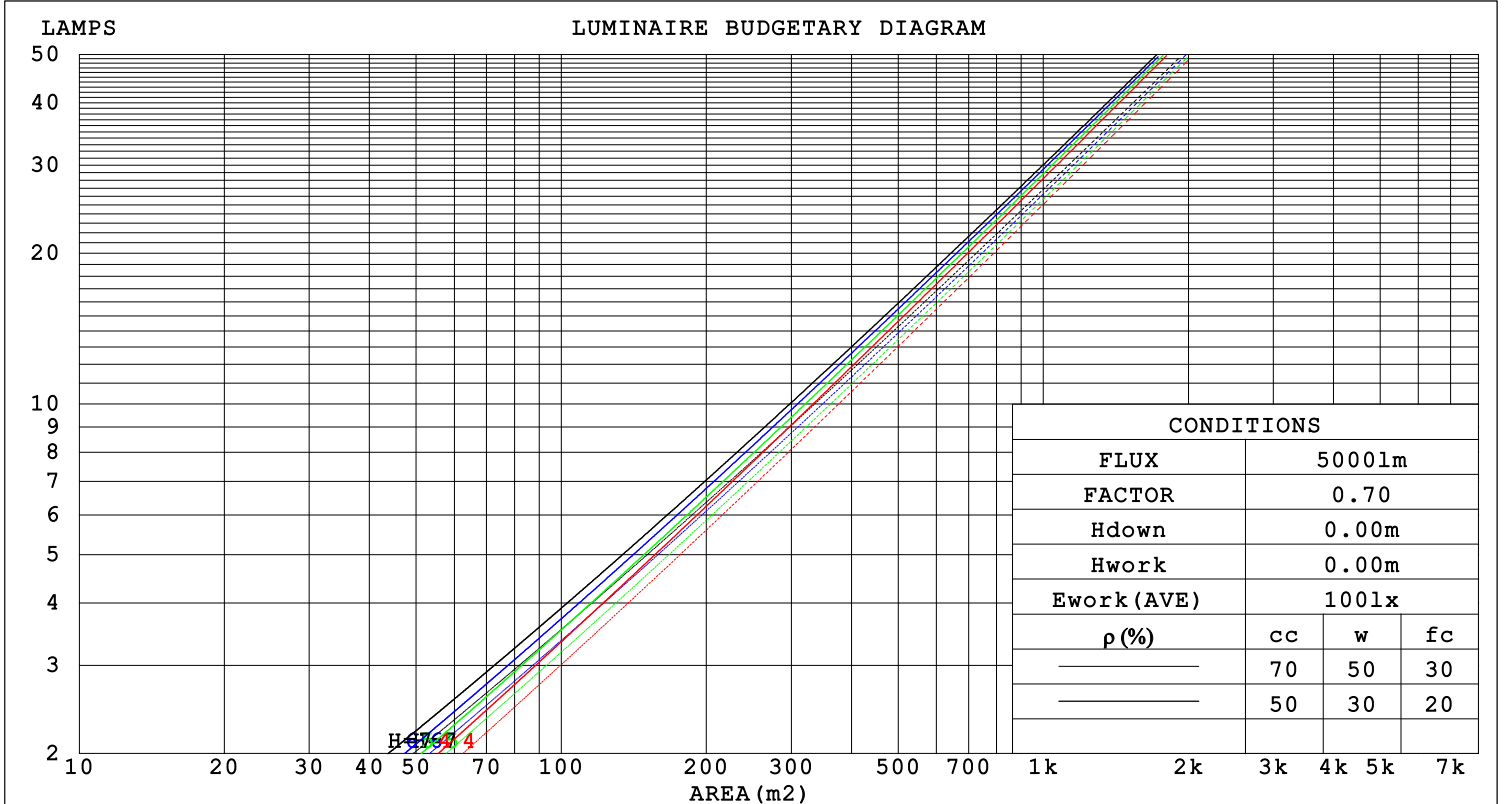
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.000 m  
 Remarks: 4000K

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.05	1.01	.98	1.03	.90	.97	.90	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.89	.92	.90	.87	.90	.88	.86	.85
4.0	.94	.89	.85	.92	.88	.84	.90	.87	.83	.88	.85	.83	.87	.84	.82	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.85	.79	.76	.84	.79	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.73
7.0	.81	.76	.72	.80	.75	.72	.79	.75	.71	.78	.74	.71	.77	.73	.71	.69
8.0	.77	.72	.69	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.66
9.0	.74	.69	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.64
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.69	.65	.62	.61



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-30-2026

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: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.166	.095	.030	.160	.091	.029	.147	.084	.027	.136	.078	.025	.125	.072	.023	
2.0	.155	.085	.026	.150	.082	.025	.139	.077	.024	.130	.073	.023	.121	.068	.022	
3.0	.146	.077	.023	.141	.075	.023	.132	.072	.022	.124	.068	.021	.116	.064	.020	
4.0	.137	.071	.021	.133	.070	.021	.126	.067	.020	.118	.064	.019	.112	.061	.019	
5.0	.130	.066	.019	.126	.065	.019	.120	.062	.018	.114	.060	.018	.108	.058	.017	
6.0	.123	.062	.018	.120	.061	.017	.114	.059	.017	.109	.057	.017	.104	.055	.016	
7.0	.117	.058	.016	.114	.057	.016	.109	.055	.016	.105	.054	.016	.100	.052	.015	
8.0	.112	.055	.015	.109	.054	.015	.105	.052	.015	.101	.051	.015	.097	.050	.014	
9.0	.107	.052	.014	.105	.051	.014	.101	.050	.014	.097	.049	.014	.094	.048	.014	
10.0	.102	.049	.014	.100	.049	.014	.097	.047	.013	.094	.046	.013	.090	.045	.013	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.170	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.092	.120	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.129	.098	.075	.111	.085	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007	
6.0	.112	.077	.052	.096	.067	.045	.066	.047	.032	.038	.027	.019	.012	.009	.006	
7.0	.105	.069	.044	.090	.060	.039	.062	.042	.027	.036	.025	.016	.012	.008	.005	
8.0	.098	.063	.038	.085	.054	.033	.059	.038	.024	.034	.023	.014	.011	.007	.005	
9.0	.093	.057	.033	.080	.050	.029	.056	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.088	.053	.029	.076	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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

**Uncorrected UGR Table**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 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	1.9	2.7	2.1	2.9	3.1	0.3	1.1	0.5	1.3	1.4
	3H	2.1	2.9	2.4	3.1	3.3	0.3	1.1	0.6	1.3	1.5
	4H	2.4	3.1	2.7	3.3	3.6	0.4	1.1	0.6	1.3	1.5
	6H	2.9	3.6	3.2	3.8	4.1	0.4	1.1	0.7	1.3	1.6
	8H	3.3	4.0	3.6	4.2	4.5	0.5	1.1	0.8	1.4	1.6
	12H	3.9	4.6	4.2	4.8	5.1	0.6	1.2	0.9	1.5	1.7
4H	2H	1.8	2.5	2.0	2.7	2.9	0.2	0.9	0.5	1.2	1.4
	3H	2.0	2.6	2.3	2.9	3.2	0.5	1.1	0.8	1.4	1.7
	4H	2.3	2.9	2.7	3.2	3.5	0.8	1.4	1.1	1.6	2.0
	6H	3.0	3.5	3.4	3.8	4.2	1.1	1.6	1.5	1.9	2.3
	8H	3.6	4.1	4.0	4.4	4.8	1.2	1.7	1.6	2.1	2.4
	12H	4.4	4.9	4.8	5.2	5.6	1.5	1.9	1.9	2.3	2.7
8H	4H	2.3	2.8	2.7	3.1	3.5	0.9	1.4	1.3	1.7	2.1
	6H	3.0	3.4	3.5	3.8	4.2	1.7	2.1	2.1	2.5	2.9
	8H	3.7	4.1	4.2	4.5	4.9	2.2	2.5	2.6	2.9	3.4
	12H	4.8	5.1	5.2	5.5	6.0	2.7	3.0	3.2	3.4	3.9
12H	4H	2.3	2.8	2.8	3.2	3.5	0.9	1.3	1.3	1.7	2.1
	6H	3.1	3.5	3.6	3.9	4.3	1.8	2.1	2.2	2.5	3.0
	8H	3.8	4.1	4.3	4.6	5.0	2.4	2.7	2.9	3.2	3.7

Variations with the observer position at spacings:		
S = 1.0H	+ 1.9 / - 1.6	+ 1.2 / - 1.4
1.5H	+ 3.4 / - 2.3	+ 2.3 / - 1.8
2.0H	+ 3.7 / - 1.3	+ 1.4 / - 1.1

CIE Pub.117 Corrected 441.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.8)

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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

**UTILIZATION FACTORS TABLE**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 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	88	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	108	105	102	105	103	100	95
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

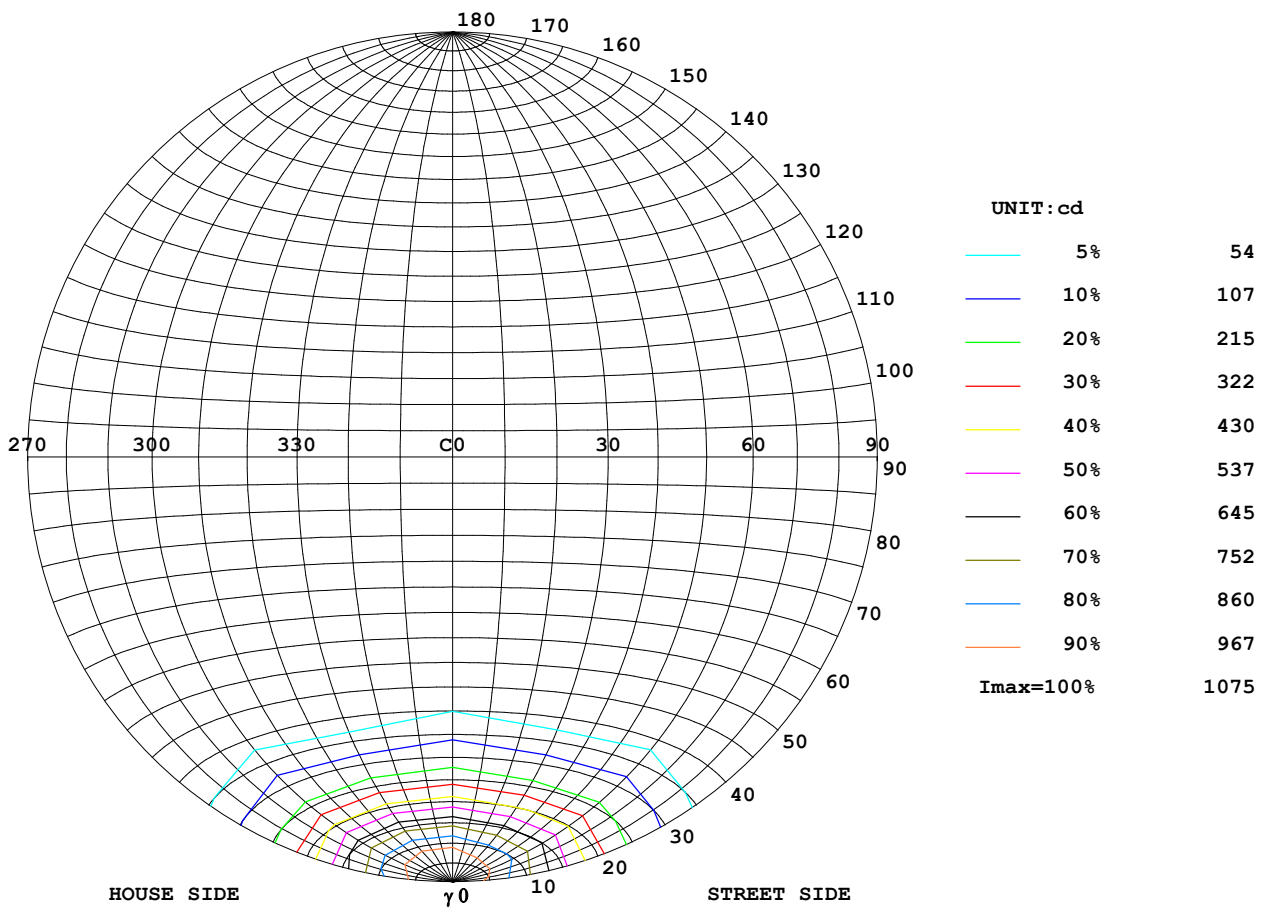
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

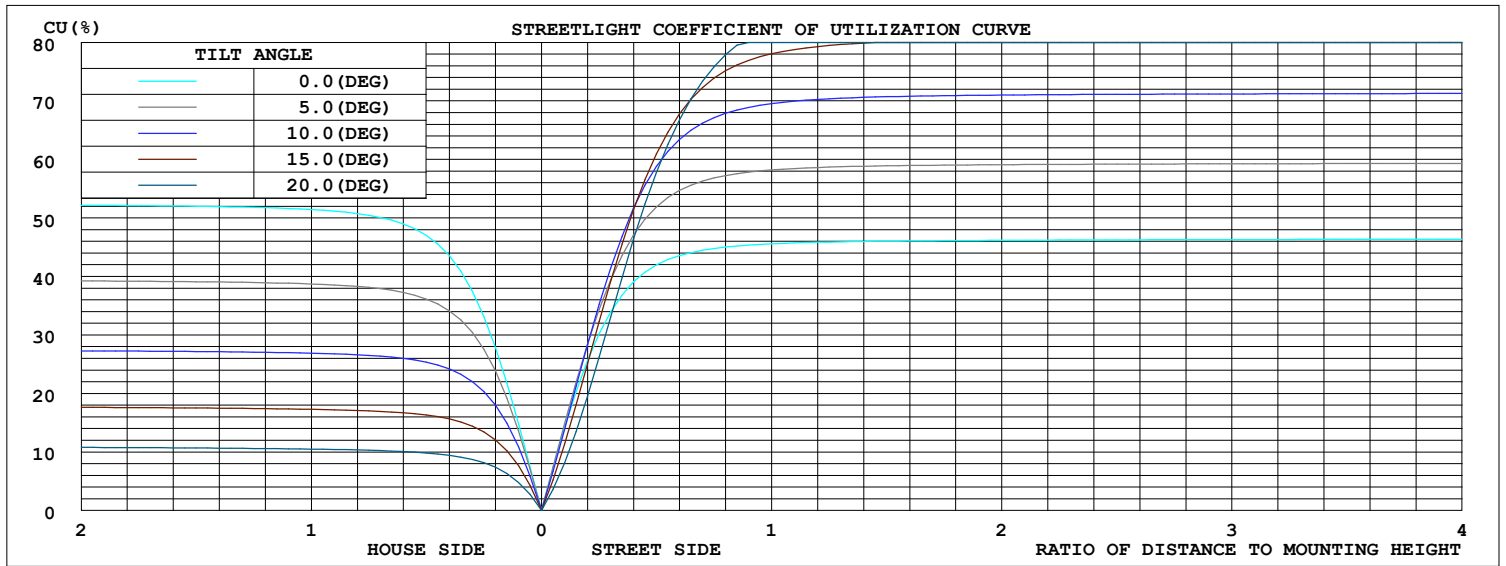
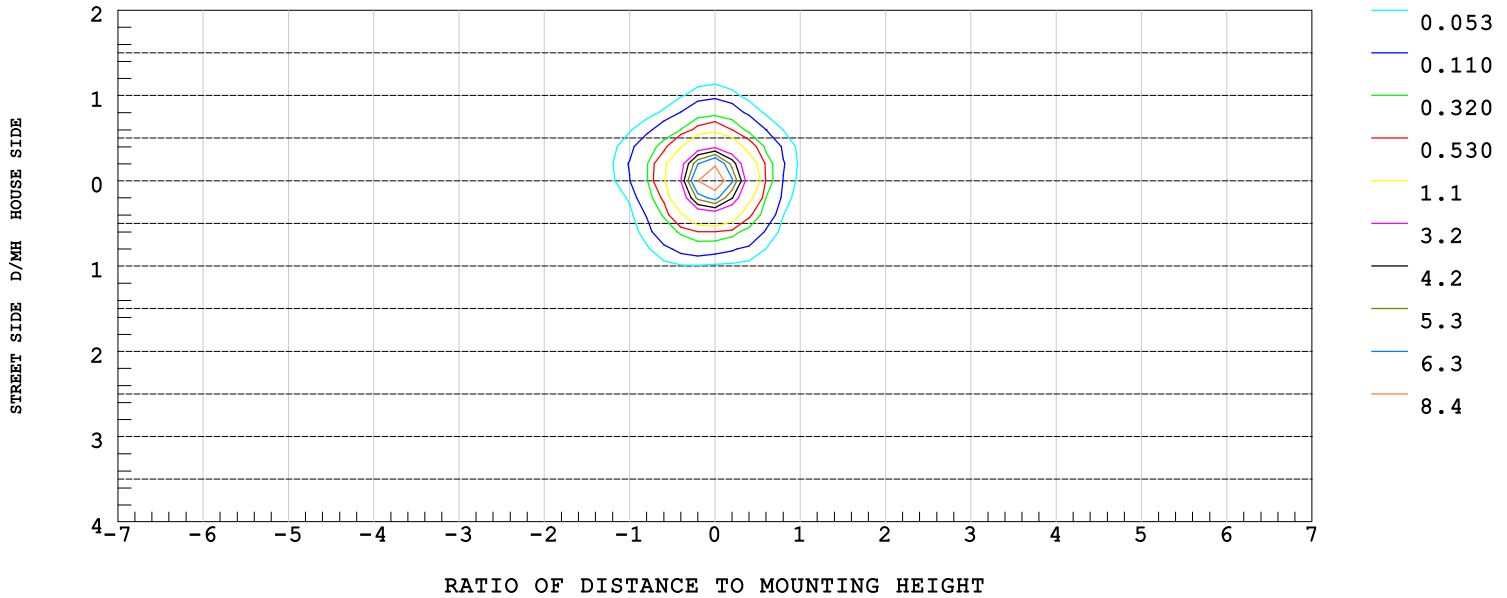
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.000 m  
 Remarks: 4000K

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 10.53 lx



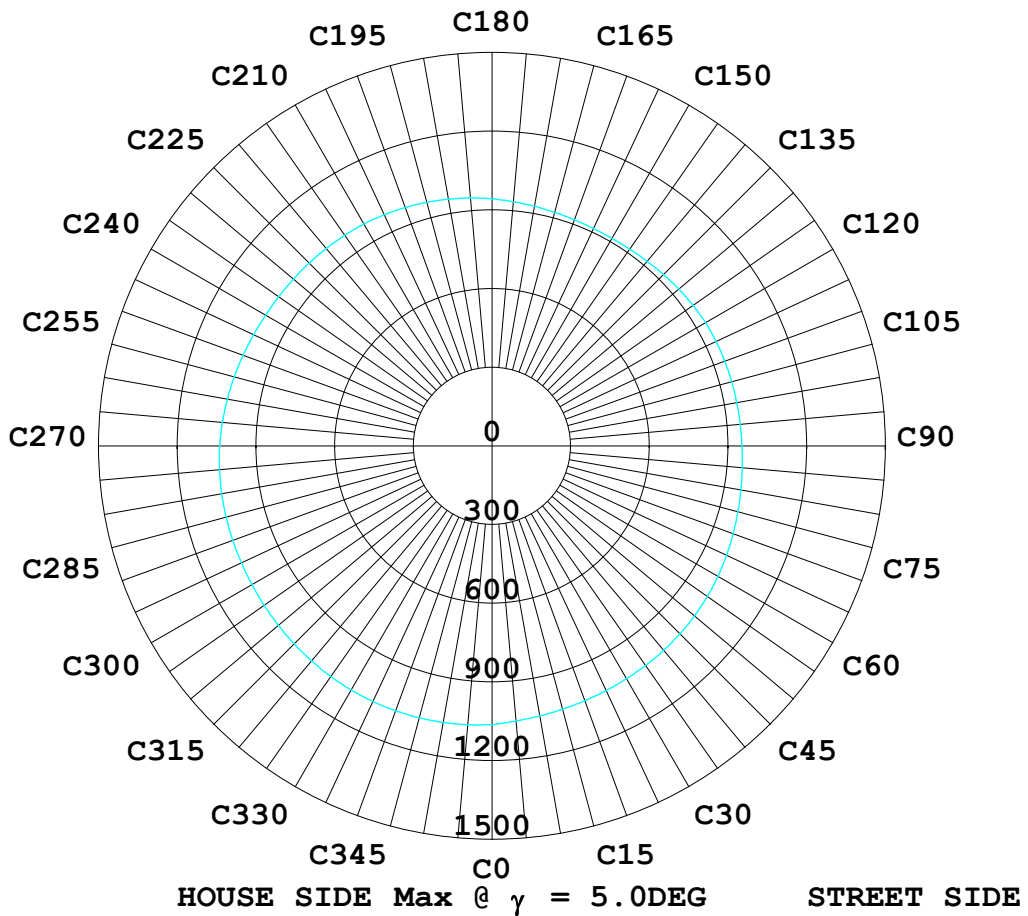
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-30-2026

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

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-55 CUTOUT-62 H-93 MM	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 03-30-2026

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:

<b>MANUFACTURER: DIVINITY LIGHTS</b>		
<b>Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,Rajasthan301019</b>		
<b>NAME: MONOCULARS HB</b>	<b>TYPE: 4000K CRI-90</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: OSRAM 250MA</b>	<b>DIMENSION: D-55 CUTOUT-62 H-93 MM</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1053	1056	1050	1047	1049	1043	1053	1056	1050	1047	1049	1043
5.0	1062	1025	995	953	941	914	942	977	997	1039	1057	1075
10.0	941	882	850	777	763	720	755	802	836	906	940	978
15.0	717	671	644	565	543	502	528	579	604	686	715	768
20.0	473	432	423	354	337	292	353	358	373	443	464	512
25.0	284	245	238	187	186	155	173	200	204	238	265	303
30.0	160	133	134	94.8	93.3	75.1	85.2	107	104	140	137	168
35.0	90.4	70.3	71.8	47.5	47.3	35.9	39.1	54.5	50.3	73.6	66.7	92.4
40.0	52.8	36.6	41.0	24.4	26.2	17.9	18.7	27.9	25.0	39.4	33.4	51.1
45.0	30.2	18.5	23.5	12.5	15.7	8.34	9.71	15.7	12.3	23.5	16.9	29.0
50.0	17.4	8.66	13.0	5.42	9.47	3.64	5.91	9.96	6.07	14.4	8.58	16.6
55.0	11.1	4.21	8.01	2.67	6.23	1.62	3.48	6.80	2.67	9.15	4.37	10.0
60.0	7.45	2.02	5.50	1.45	4.69	0.97	2.51	5.02	1.45	6.39	2.26	6.56
65.0	5.58	1.37	4.29	0.97	3.88	0.73	2.10	4.05	0.97	4.86	1.29	4.86
70.0	4.37	1.05	3.48	0.65	3.15	0.57	2.10	3.48	0.73	3.64	0.73	3.80
75.0	3.72	0.97	3.07	0.65	2.91	0.65	2.10	3.07	0.73	3.07	0.65	3.15
80.0	3.40	0.97	2.75	0.73	2.67	0.65	2.18	2.67	0.73	2.67	0.57	2.83
85.0	3.15	1.13	2.51	0.73	2.43	0.73	2.34	2.43	0.73	2.34	0.65	2.51
90.0	2.83	1.37	2.26	1.05	2.10	0.97	3.07	2.18	0.97	2.10	0.89	2.18

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-30-2026

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