

**LUMINAIRE PHOTOMETRIC TEST REPORT**

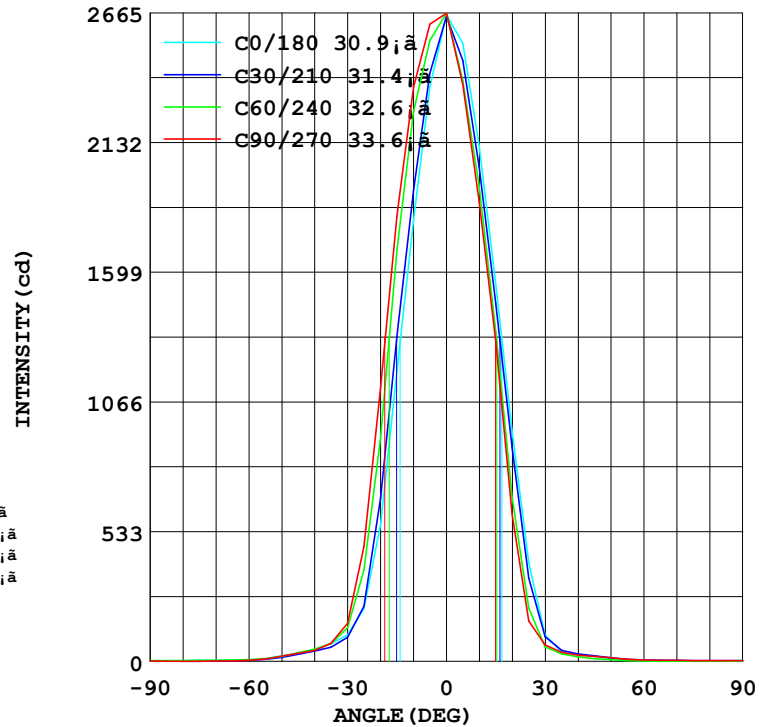
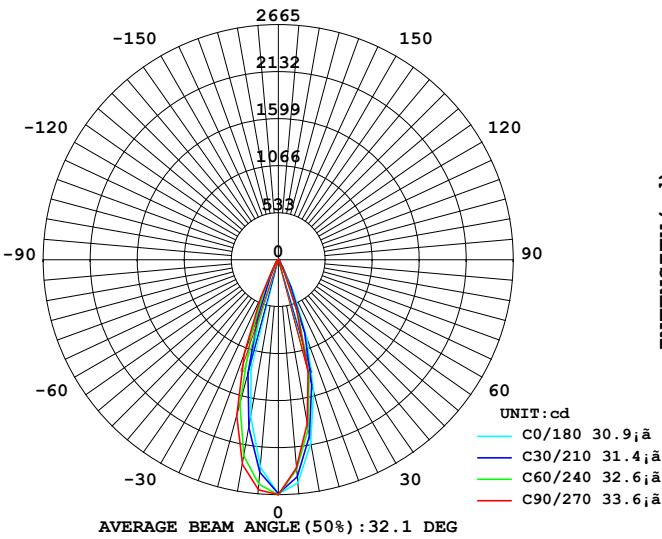
Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	2666	S/MH (C0/180)	0.46
MODEL	MONOCULARS HB	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.57
NOMINAL POWER (W)	12	TOTAL FLUX (lm)	864.96	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	70.3	Current (A)	0.058
NOMINAL FLUX (lm)	865.0	$\eta$ up (%)	0.0	Power (W)	12.30
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.984
TEST VOLTAGE (V)	219.6	Effective Flux (lm)	759.0	EEL	0.200

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**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: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:

---

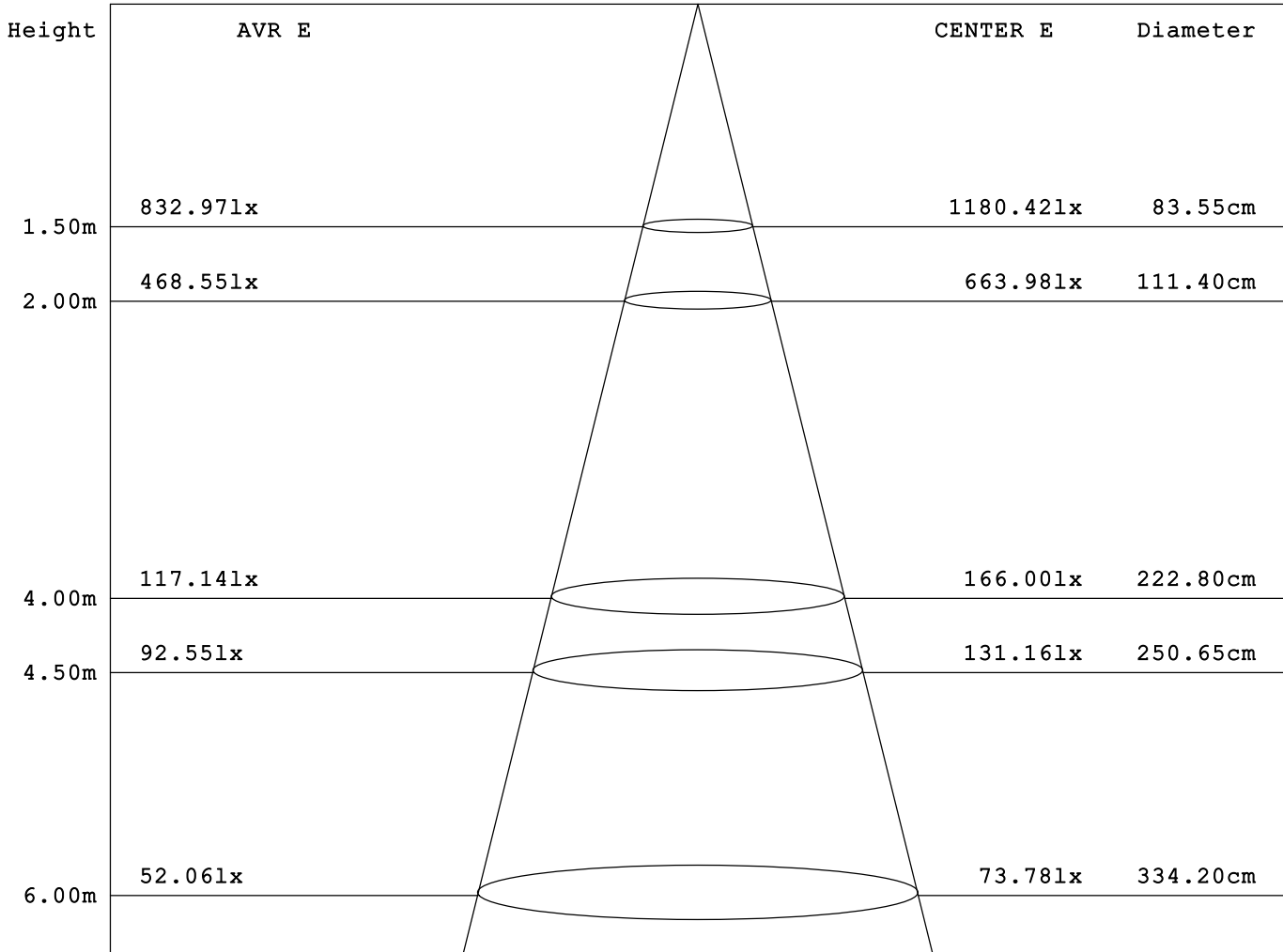
Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 8.000 m  
Remarks: 3000K

**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: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:



Angle: 31.1deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1814	2098	2359	2315	2118	1992	1890	1828	0- 10	223.0	223.0
20.0	561.5	795.5	1126	1133	945.7	777.3	604.3	515.6	10- 20	397.9	621.0
30.0	108.8	119.2	157.1	151.7	108.9	80.95	67.26	62.33	20- 30	170.4	791.4
40.0	47.48	46.75	45.69	33.56	28.09	25.05	26.17	20.54	30- 40	37.39	828.8
50.0	22.78	18.65	21.37	17.76	11.77	11.04	15.04	11.23	40- 50	18.69	847.5
60.0	7.808	5.888	4.416	5.280	3.776	3.872	6.016	3.936	50- 60	8.211	855.7
70.0	4.864	3.040	1.408	2.976	2.368	2.624	4.160	2.560	60- 70	3.760	859.5
80.0	3.840	2.464	1.152	2.432	2.496	2.272	3.392	2.112	70- 80	2.816	862.3
90.0	3.392	2.528	1.600	2.400	3.456	2.176	2.752	2.016	80- 90	2.630	864.9
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:03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K

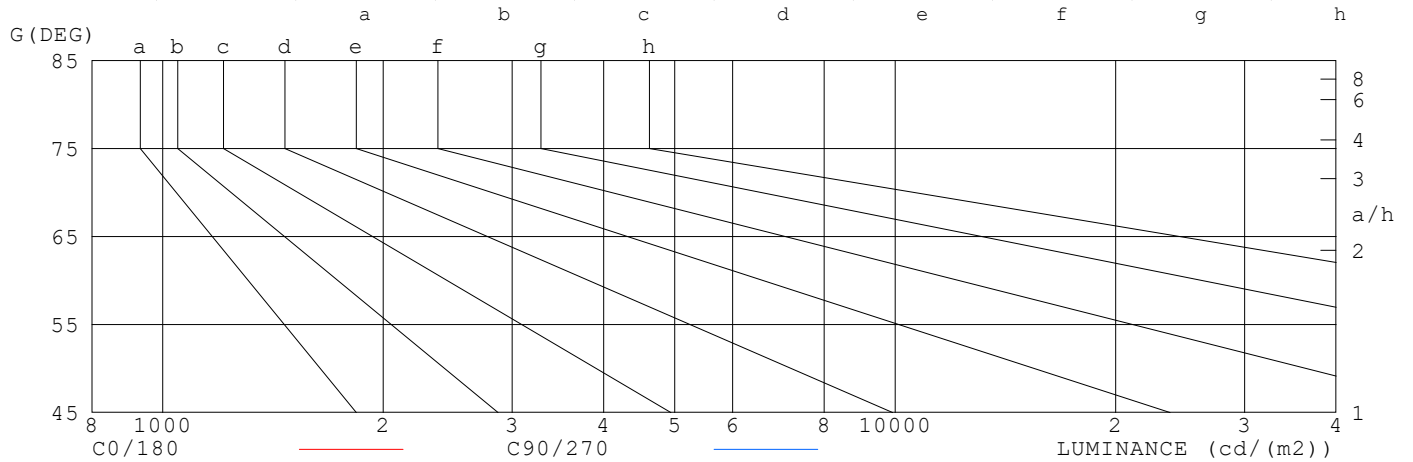
**LUMINANCE LIMITATION CURVES**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 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	419	140
80	221	66
75	163	45
70	142	41
65	141	61
60	156	88
55	205	164
50	354	333
45	463	476

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

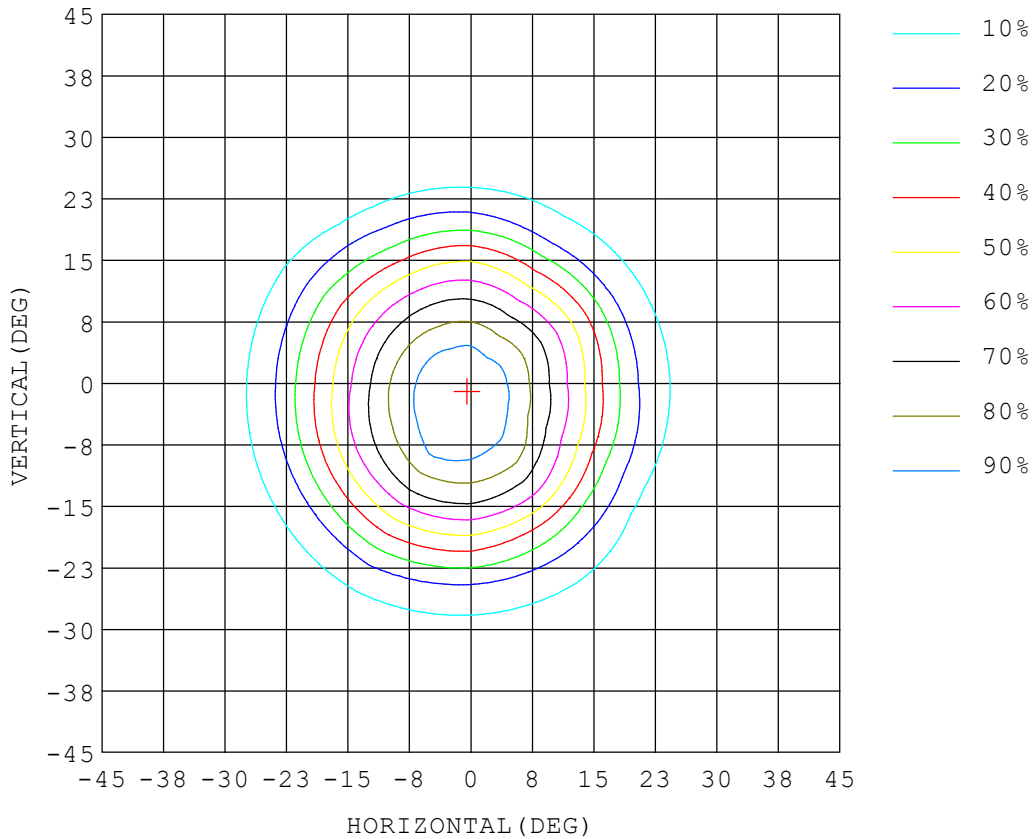
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:

UNIT: cd



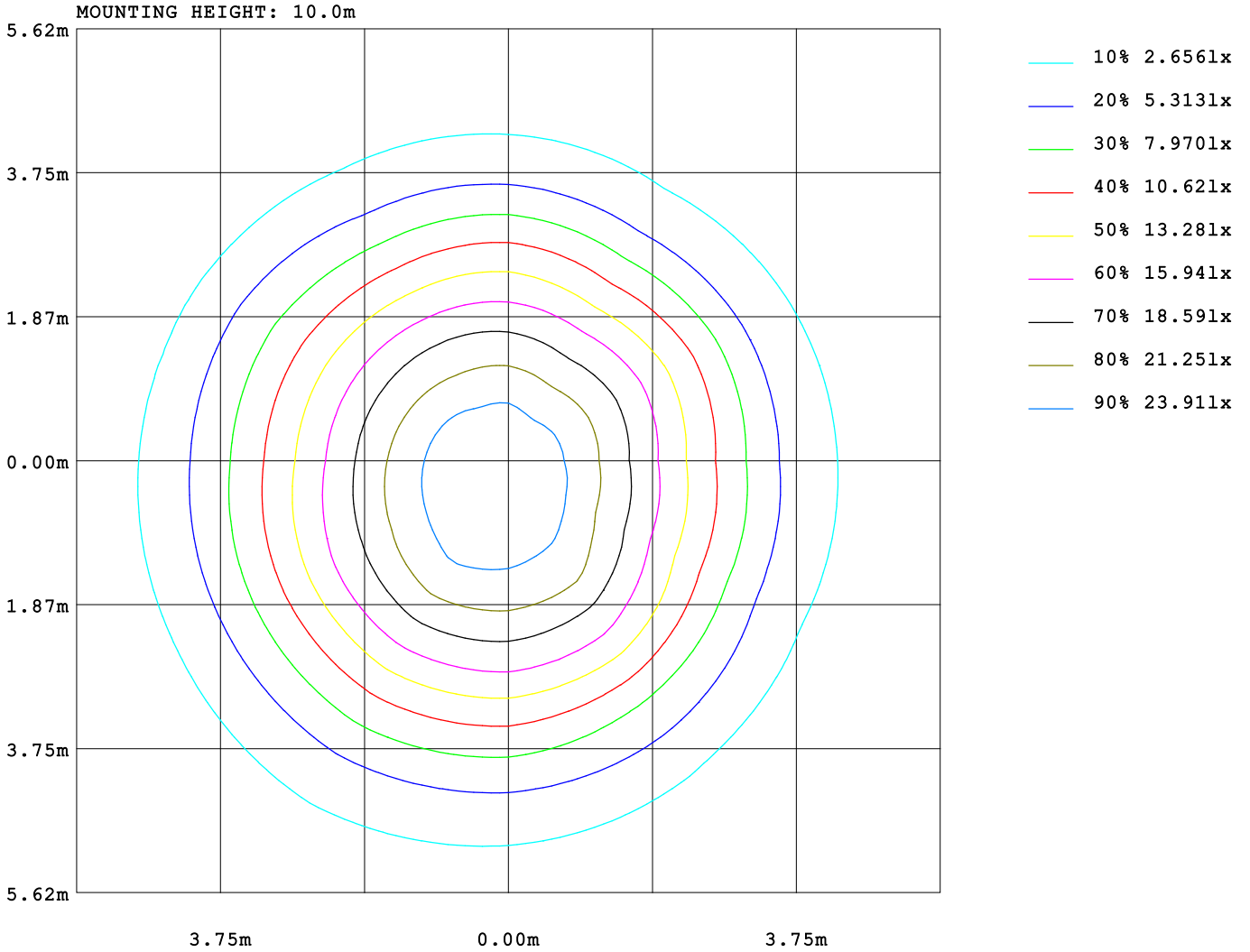
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**ISOLUX DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,Rajasthan301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K

**AREA LUMINOUS FLUX**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 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			
45	0.04	0.05	0.06	0.07	0.07	0.09	0.12	0.15	0.17	0.17	0.14	0.12	0.09	0.07	0.07	0.06	0.05	0.04	1.61	0.00		
40	0.05	0.07	0.09	0.10	0.11	0.13	0.17	0.21	0.23	0.23	0.19	0.15	0.11	0.10	0.10	0.09	0.07	0.05	2.24	0.00		
35	0.07	0.10	0.13	0.15	0.18	0.21	0.27	0.34	0.39	0.37	0.30	0.22	0.15	0.14	0.13	0.11	0.10	0.07	3.42	0.00		
30	0.09	0.13	0.17	0.21	0.28	0.38	0.56	0.80	0.90	0.84	0.66	0.43	0.29	0.22	0.18	0.15	0.12	0.09	6.49	0.00		
25	0.11	0.16	0.22	0.32	0.53	1.01	1.64	2.45	2.91	2.70	1.93	1.11	0.66	0.40	0.27	0.20	0.15	0.12	16.9	8.62		
20	0.12	0.18	0.27	0.52	1.22	2.54	4.36	6.05	7.17	6.77	4.95	3.01	1.51	0.74	0.42	0.27	0.19	0.14	40.4	35.0		
15	0.13	0.19	0.34	0.85	2.36	5.08	8.01	10.6	12.0	11.5	9.27	6.26	3.18	1.27	0.62	0.37	0.24	0.17	72.5	68.1		
10	0.14	0.20	0.41	1.30	3.64	7.35	11.2	14.3	16.0	15.4	13.1	9.50	5.05	2.06	0.86	0.47	0.30	0.19	102	97.4		
5	0.14	0.21	0.47	1.65	4.53	8.72	13.1	16.8	18.8	18.2	15.3	11.0	6.20	2.62	1.04	0.55	0.35	0.22	120	116		
0	0.14	0.20	0.48	1.73	4.76	9.16	13.7	17.6	19.9	19.1	15.7	11.2	6.40	2.74	1.08	0.57	0.36	0.22	125	121		
-5	0.13	0.19	0.44	1.49	4.21	8.51	13.0	16.8	18.8	18.2	15.1	10.3	5.66	2.36	0.96	0.52	0.33	0.21	118	114		
-10	0.12	0.17	0.35	1.04	3.07	6.67	10.7	14.1	15.7	15.3	12.7	8.36	4.23	1.63	0.75	0.44	0.29	0.19	96.0	91.7		
-15	0.10	0.14	0.24	0.64	1.85	4.18	7.31	9.85	11.0	10.6	8.42	5.36	2.60	1.13	0.56	0.36	0.25	0.17	64.9	60.2		
-20	0.09	0.12	0.18	0.39	0.91	2.10	3.82	5.26	6.02	5.66	4.31	2.70	1.44	0.73	0.44	0.30	0.21	0.14	34.8	29.3		
-25	0.07	0.11	0.16	0.28	0.51	0.91	1.48	2.08	2.38	2.25	1.77	1.20	0.77	0.51	0.36	0.26	0.17	0.11	15.3	6.14		
-30	0.06	0.10	0.15	0.21	0.33	0.50	0.67	0.81	0.88	0.86	0.76	0.62	0.49	0.38	0.29	0.21	0.14	0.08	7.52	0.00		
-35	0.05	0.08	0.13	0.18	0.25	0.32	0.38	0.43	0.46	0.46	0.43	0.40	0.35	0.29	0.22	0.15	0.10	0.06	4.73	0.00		
-40	0.03	0.06	0.10	0.15	0.19	0.23	0.26	0.29	0.30	0.30	0.30	0.28	0.25	0.21	0.15	0.10	0.07	0.04	3.32	0.00		
-45																						
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45			
Φ t	1.69	2.46	4.36	11.2	29.0	58.1	91.0	119	134	129	106	72.3	39.4	17.6	8.50	5.19	3.48	2.30	865			
Φ a	0.00	0.00	0.00	3.10	23.3	53.2	86.5	115	130	125	101	67.6	33.6	8.76	0.00	0.00	0.00	0.00		759		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2026

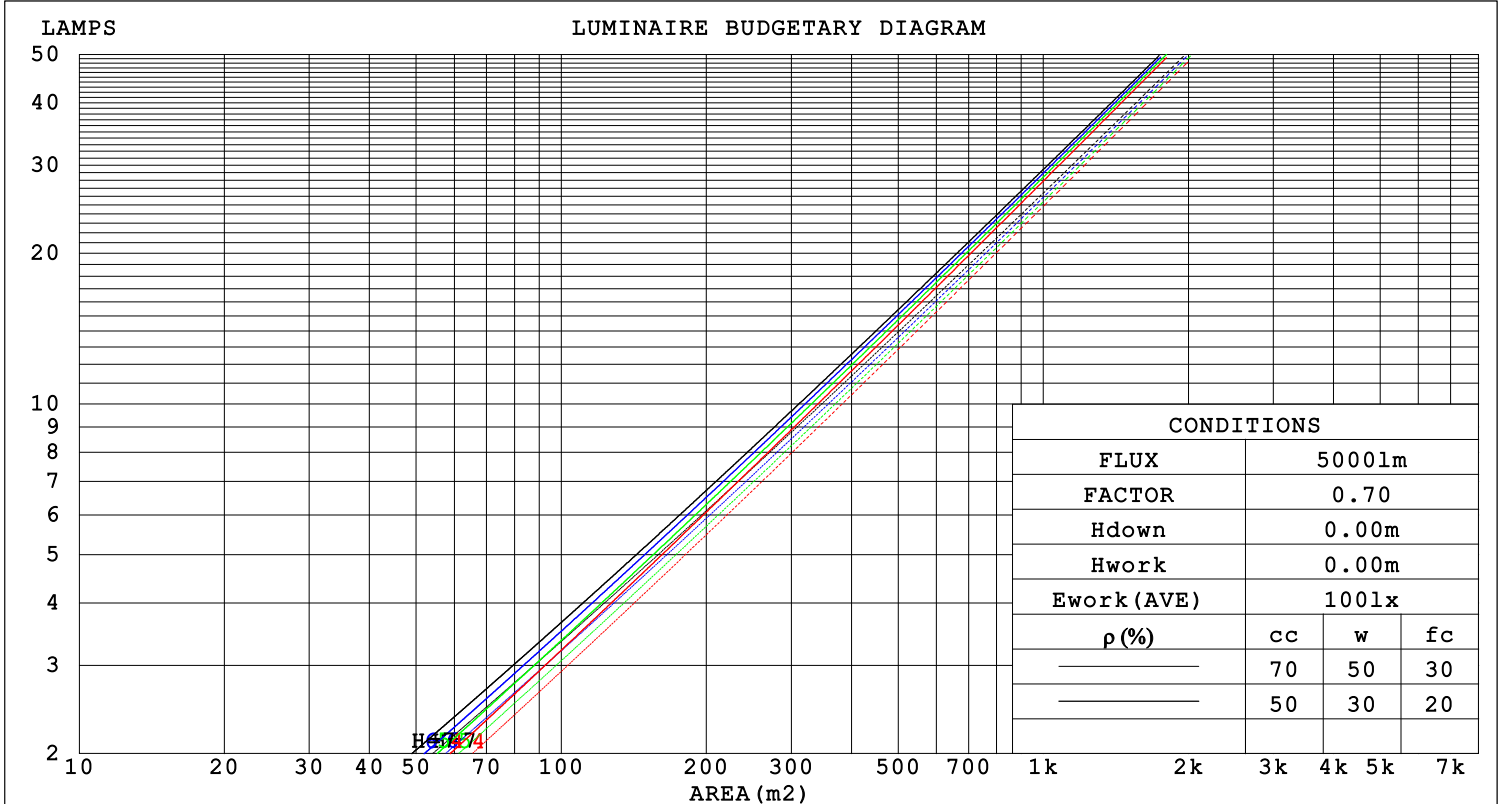
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K

### 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: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95
2.0	1.06	1.03	.90	1.04	1.01	.99	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.91	.95	.92	.90	.93	.91	.89	.87
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.82	.87	.84	.82	.81
6.0	.88	.84	.80	.88	.83	.80	.86	.83	.80	.85	.82	.79	.84	.81	.79	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.80	.77	.74	.80	.76	.73	.79	.76	.73	.72
9.0	.79	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.70
10.0	.76	.72	.69	.76	.72	.69	.75	.71	.69	.75	.71	.69	.74	.71	.68	.67



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K

**WEC AND CCEC**

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,Rajasthan301019														
NAME: MONOCULARS HB					TYPE: 3000K CRI-90					WEIGHT:				
SPECIFICATION: OSRAM 250MA					DIMENSION: D-75 CUTOUT-84 H-104 MM					SERIAL No.:				

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.152	.087	.027	.146	.083	.026	.133	.077	.024	.122	.070	.023	.111	.065	.021	
2.0	.141	.077	.024	.136	.075	.023	.125	.070	.022	.116	.065	.020	.107	.061	.019	
3.0	.132	.070	.021	.127	.068	.021	.119	.064	.020	.111	.061	.019	.103	.057	.018	
4.0	.124	.064	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.117	.060	.017	.113	.058	.017	.107	.056	.016	.101	.053	.016	.096	.051	.015	
6.0	.111	.055	.016	.108	.054	.016	.102	.052	.015	.097	.051	.015	.092	.049	.014	
7.0	.105	.052	.015	.103	.051	.015	.098	.050	.014	.093	.048	.014	.089	.046	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	.086	.044	.013	
9.0	.096	.046	.013	.094	.046	.013	.090	.045	.013	.087	.043	.012	.083	.042	.012	
10.0	.092	.044	.012	.090	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.116	.130	.114	.100	.089	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.041	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.053	.035	.056	.038	.024	.032	.022	.015	.011	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K

### Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 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	0.3	1.1	0.5	1.2	1.4	1.0	1.7	1.2	1.9	2.0
3H	0.6	1.2	0.8	1.4	1.6	1.0	1.7	1.3	1.9	2.1
4H	0.8	1.5	1.1	1.7	1.9	1.0	1.7	1.3	1.9	2.1
6H	1.4	2.0	1.7	2.2	2.5	1.1	1.7	1.4	1.9	2.2
8H	1.8	2.4	2.1	2.6	2.9	1.1	1.7	1.4	2.0	2.2
12H	2.4	3.0	2.7	3.3	3.5	1.2	1.8	1.5	2.1	2.3
4H 2H	0.3	0.9	0.5	1.1	1.3	0.9	1.6	1.2	1.8	2.0
3H	0.5	1.1	0.8	1.3	1.6	1.1	1.7	1.4	2.0	2.2
4H	0.8	1.4	1.2	1.6	2.0	1.3	1.8	1.7	2.1	2.4
6H	1.5	2.0	1.9	2.3	2.7	1.6	2.0	1.9	2.4	2.7
8H	2.1	2.6	2.5	2.9	3.3	1.7	2.2	2.1	2.5	2.9
12H	3.0	3.4	3.4	3.8	4.2	2.0	2.4	2.4	2.7	3.1
8H 4H	0.9	1.3	1.3	1.7	2.0	1.4	1.8	1.8	2.2	2.5
6H	1.6	2.0	2.1	2.4	2.8	2.0	2.4	2.4	2.8	3.2
8H	2.3	2.6	2.8	3.1	3.5	2.4	2.8	2.9	3.2	3.6
12H	3.4	3.7	3.9	4.2	4.6	3.0	3.3	3.4	3.7	4.2
12H 4H	1.0	1.3	1.4	1.7	2.1	1.4	1.7	1.8	2.1	2.5
6H	1.7	2.1	2.2	2.5	2.9	2.1	2.4	2.5	2.8	3.2
8H	2.5	2.7	2.9	3.2	3.6	2.7	2.9	3.1	3.4	3.9

Variations with the observer position at spacings:

S = 1.0H	+ 1.0 / - 1.3	+ 1.3 / - 1.5
1.5H	+ 1.7 / - 1.9	+ 1.5 / - 1.5
2.0H	+ 2.9 / - 1.4	+ 2.7 / - 1.6

CIE Pub.117 Corrected 864.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.5)

Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

### UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 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	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	95	90
1.50	107	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				

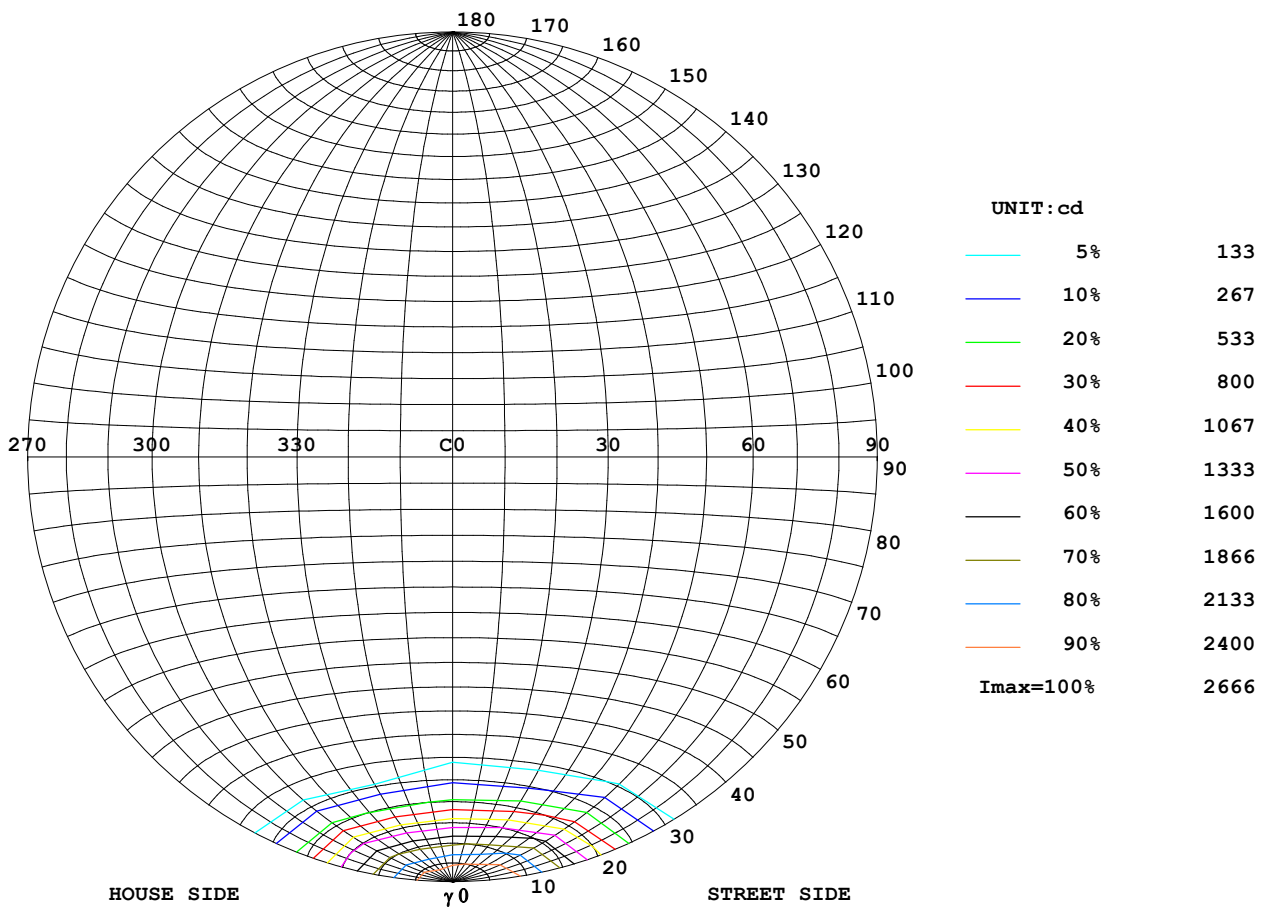
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

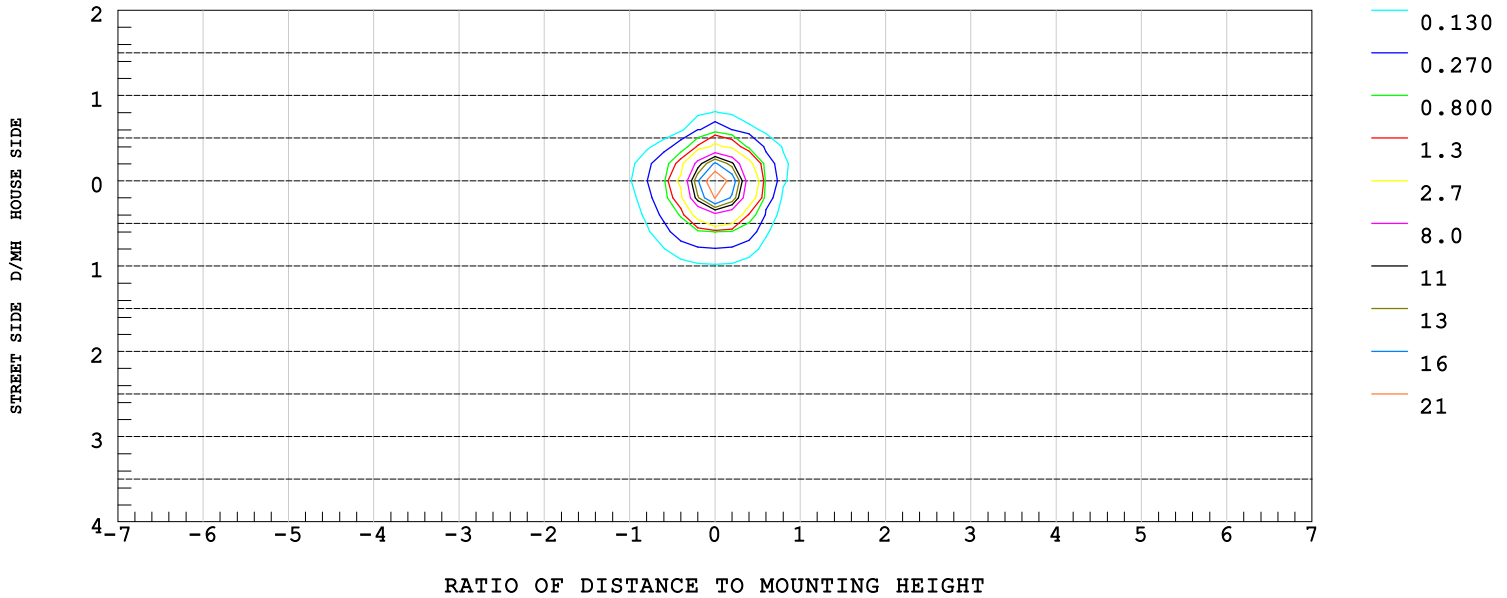
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**ISOLUX DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 26.56 lx



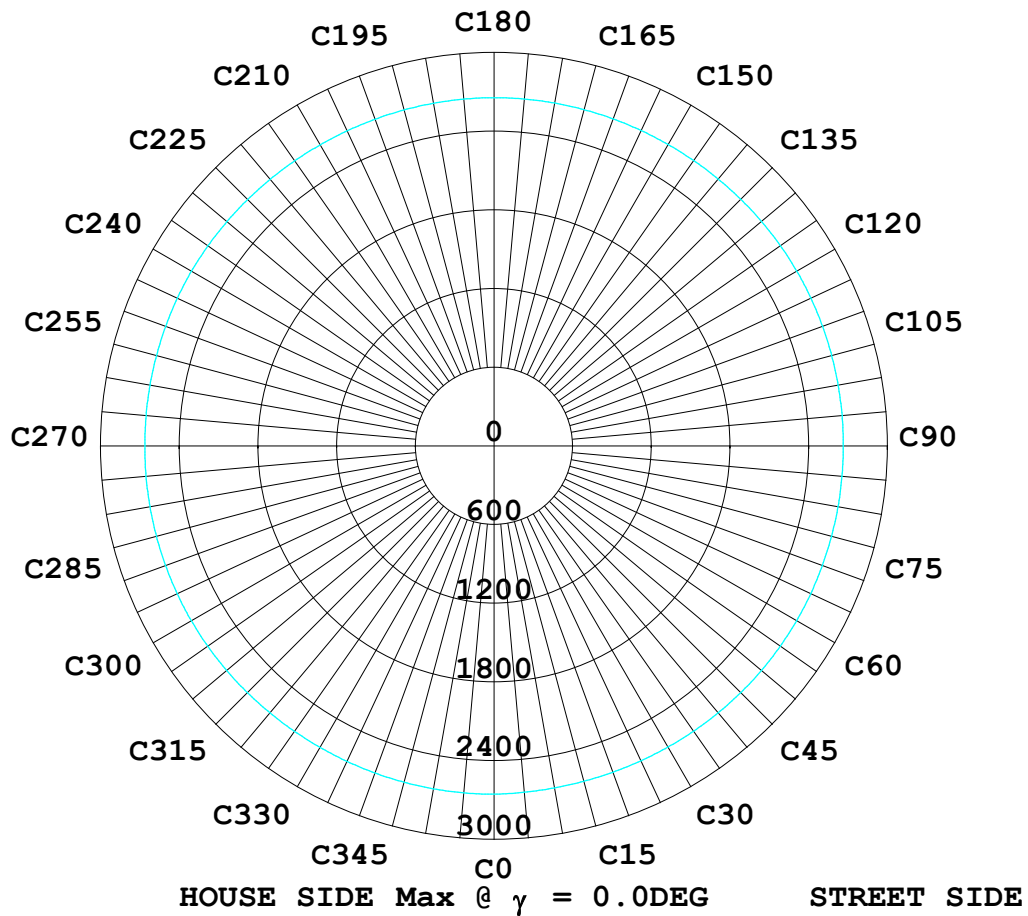
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: MONOCULARS HB	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: OSRAM 250MA	DIMENSION: D-75 CUTOUT-84 H-104 MM	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.000 m  
 Remarks: 3000K

**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: 3000K CRI-90</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: OSRAM 250MA</b>	<b>DIMENSION: D-75 CUTOUT-84 H-104 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	2656	2651	2665	2663	2666	2655	2656	2651	2665	2663	2666	2655
5.0	2360	2418	2551	2618	2651	2611	2539	2469	2386	2370	2295	2343
10.0	1814	1936	2260	2359	2405	2226	2118	2031	1953	1890	1805	1850
15.0	1191	1336	1689	1830	1862	1738	1548	1469	1356	1314	1166	1250
20.0	562	671	920	1126	1187	1080	946	879	676	604	485	546
25.0	218	226	375	473	552	462	405	343	219	166	143	172
30.0	109	99.3	139	157	169	134	109	102	59.9	67.2	47.1	77.5
35.0	73.2	59.0	73.4	74.6	80.2	42.7	39.1	45.5	31.2	37.5	21.9	41.8
40.0	47.4	42.4	51.0	45.6	45.3	21.8	28.0	31.2	18.8	26.1	13.6	27.3
45.0	32.7	29.1	36.0	33.6	32.4	17.0	22.1	23.1	10.7	20.6	11.7	20.4
50.0	22.7	16.5	20.7	21.3	22.8	12.6	11.7	15.2	6.78	15.0	7.61	14.8
55.0	11.7	8.06	11.7	9.40	12.8	6.01	6.01	9.08	3.07	7.93	2.49	8.96
60.0	7.80	4.03	7.74	4.41	8.06	2.49	3.77	6.33	1.40	6.01	1.40	6.46
65.0	5.95	2.30	5.82	2.56	6.01	1.66	2.56	4.92	1.08	4.67	1.02	4.99
70.0	4.86	1.40	4.67	1.40	4.80	1.15	2.36	4.28	0.96	4.16	0.96	4.16
75.0	4.22	1.28	4.03	1.15	4.09	1.15	2.36	3.84	1.08	3.71	0.96	3.71
80.0	3.84	1.28	3.64	1.15	3.71	1.15	2.49	3.52	1.02	3.39	0.96	3.26
85.0	3.64	1.47	3.39	1.21	3.45	1.21	2.56	3.26	1.08	3.07	1.02	3.00
90.0	3.39	1.92	3.13	1.60	3.20	1.60	3.45	2.94	1.40	2.75	1.28	2.75

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2026

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 3000K