

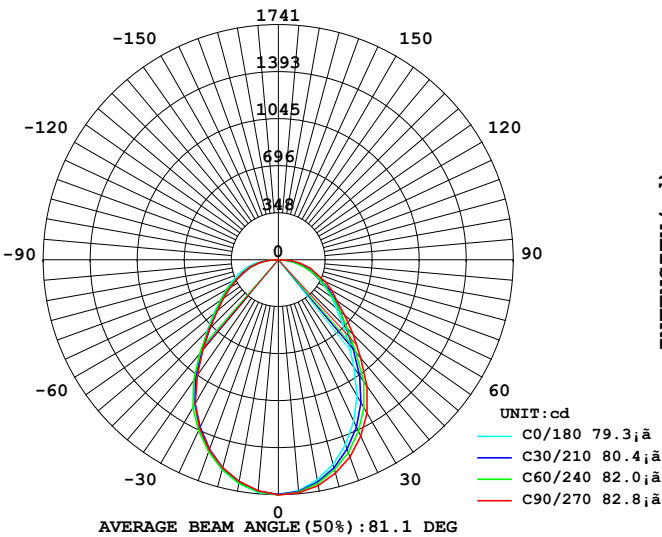
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

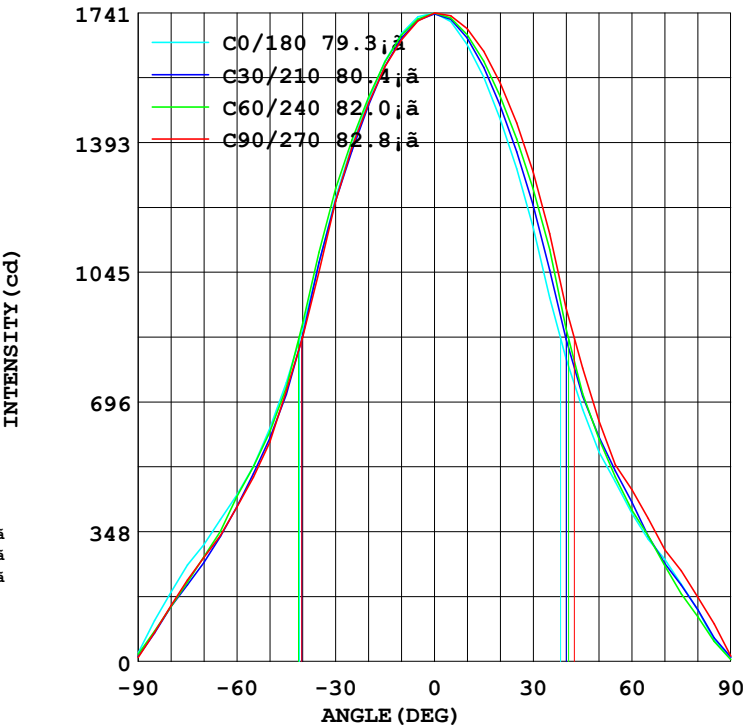
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1741	S/MH (C0/180)	1.09
MODEL	NEBULA 2X2	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.09
NOMINAL POWER (W)	35	TOTAL FLUX (lm)	3594.6	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	103.1	Current (A)	0.152
NOMINAL FLUX (lm)	3594.7	η up (%)	0.0	Power (W)	34.88
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	219.5	Effictive Flux (lm)	3466.5	EEI	0.137

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:

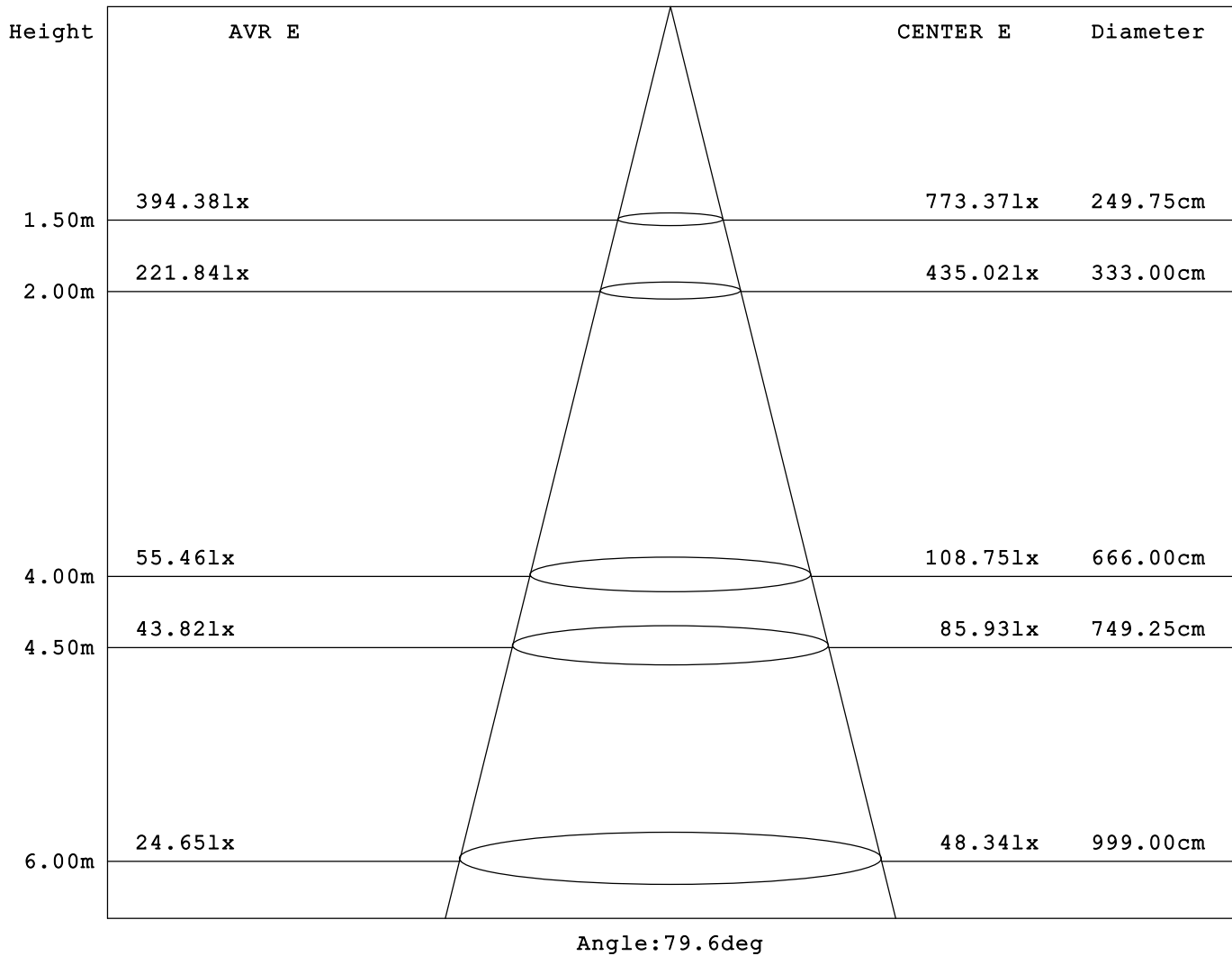
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1686	1678	1668	1658	1655	1678	1699	1695	0- 10	163.0	163.0
20.0	1507	1504	1499	1471	1456	1505	1553	1537	10- 20	450.5	613.5
30.0	1245	1252	1236	1203	1166	1247	1314	1292	20- 30	635.7	1249
40.0	891.1	890.3	870.3	829.7	812.9	879.5	948.7	938.8	30- 40	667.8	1917
50.0	624.5	606.8	587.7	574.4	562.3	599.9	645.1	637.5	40- 50	567.0	2484
60.0	446.0	427.9	413.6	403.0	396.8	416.3	460.5	449.1	50- 60	457.7	2942
70.0	313.4	272.7	279.0	248.1	273.5	258.9	298.9	285.9	60- 70	345.1	3287
80.0	185.2	146.4	149.0	122.9	138.0	128.9	172.4	156.1	70- 80	222.9	3510
90.0	23.15	16.31	10.80	14.22	10.14	8.213	14.11	16.09	80- 90	84.56	3595
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:06-05-2025

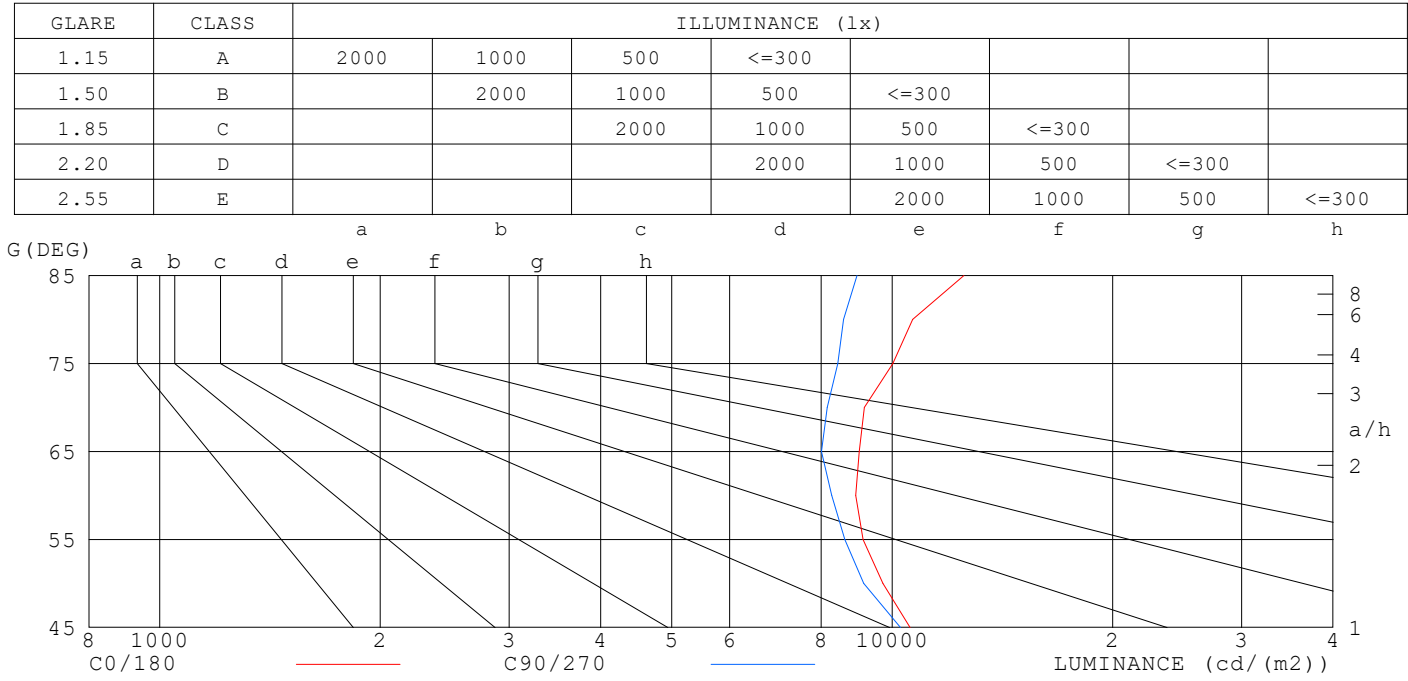
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	12536	8956
80	10666	8584
75	10019	8434
70	9164	8159
65	9021	8006
60	8921	8273
55	9130	8621
50	9717	9144
45	10585	10267

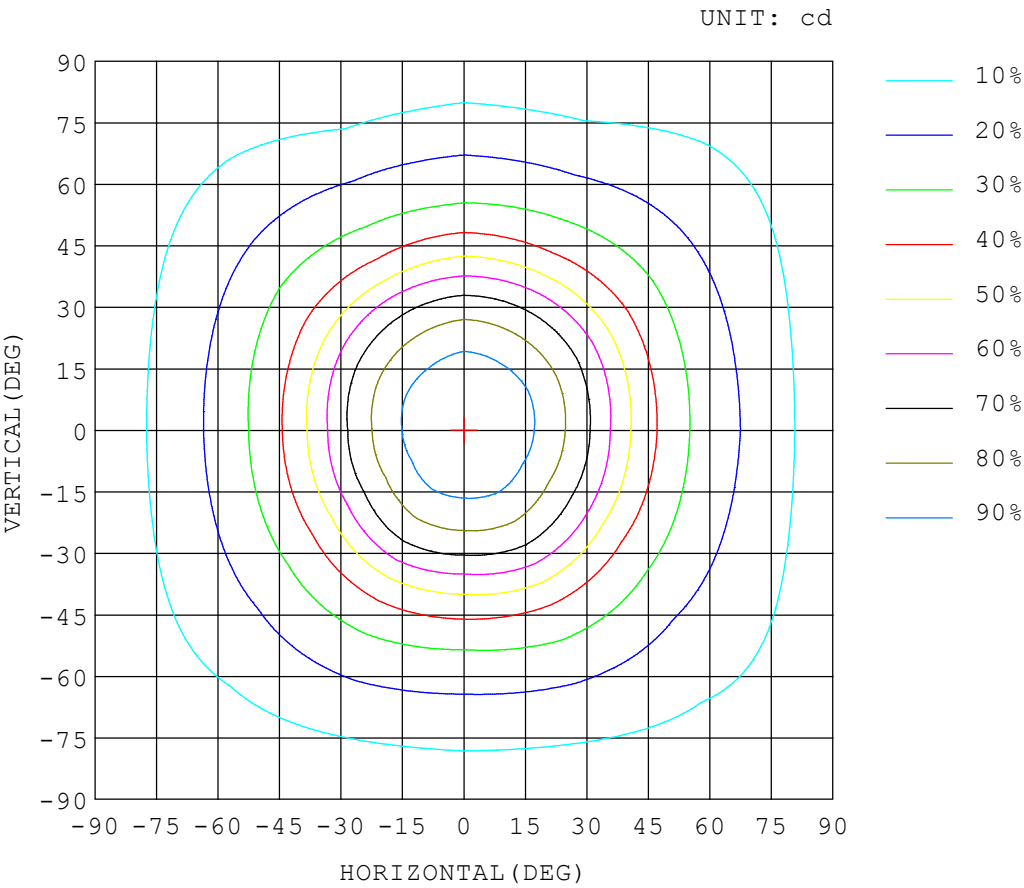
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Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:



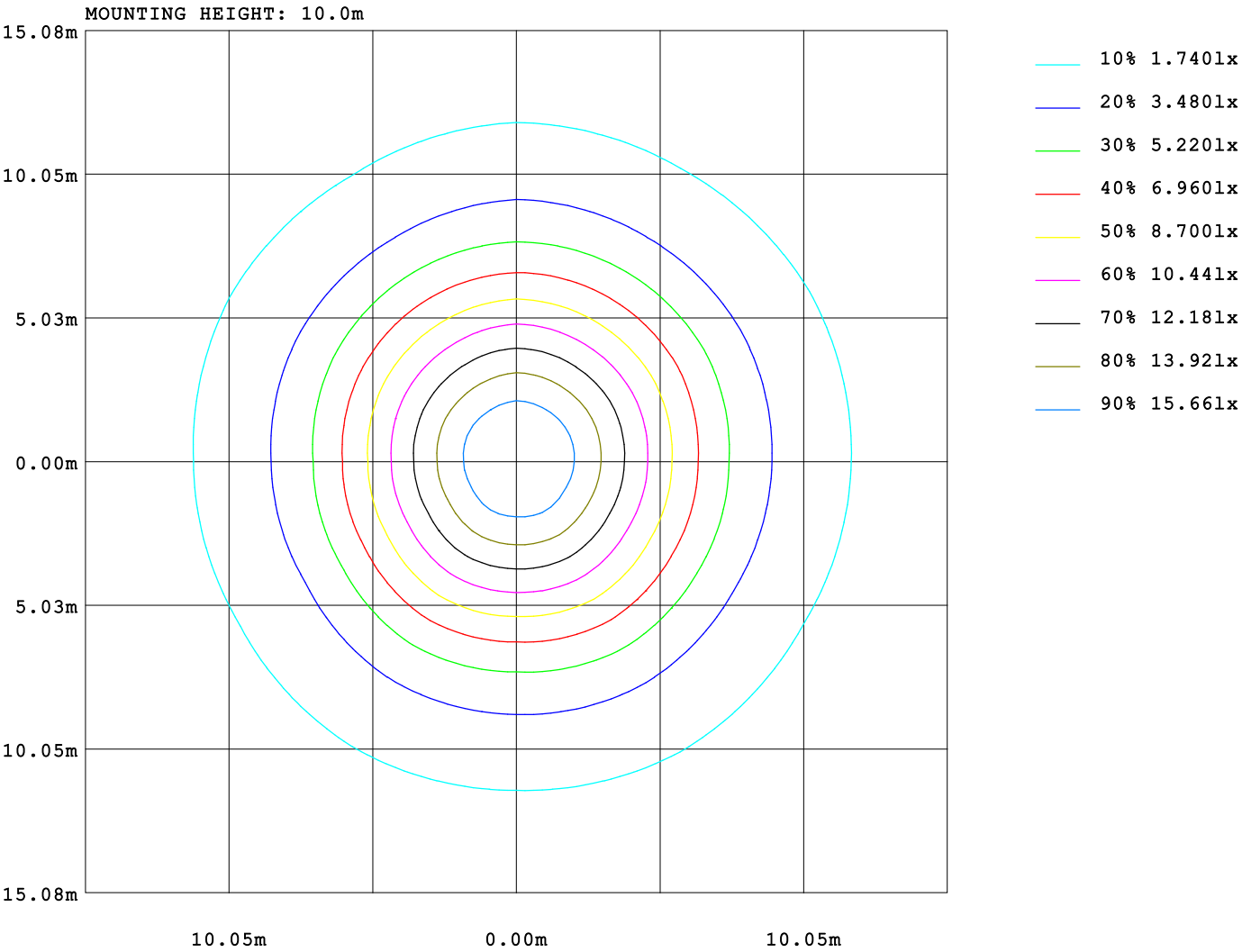
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: NEBULA 2X2									TYPE: 4000K CRI-90							WEIGHT:				
SPECIFICATION: FULHAM 800 MA									DIMENSION: 595*595*112 MM							SERIAL No.:				

90 80 70 60 50 40 30
--

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: NEBULA 2X2

TYPE: 4000K CRI-90

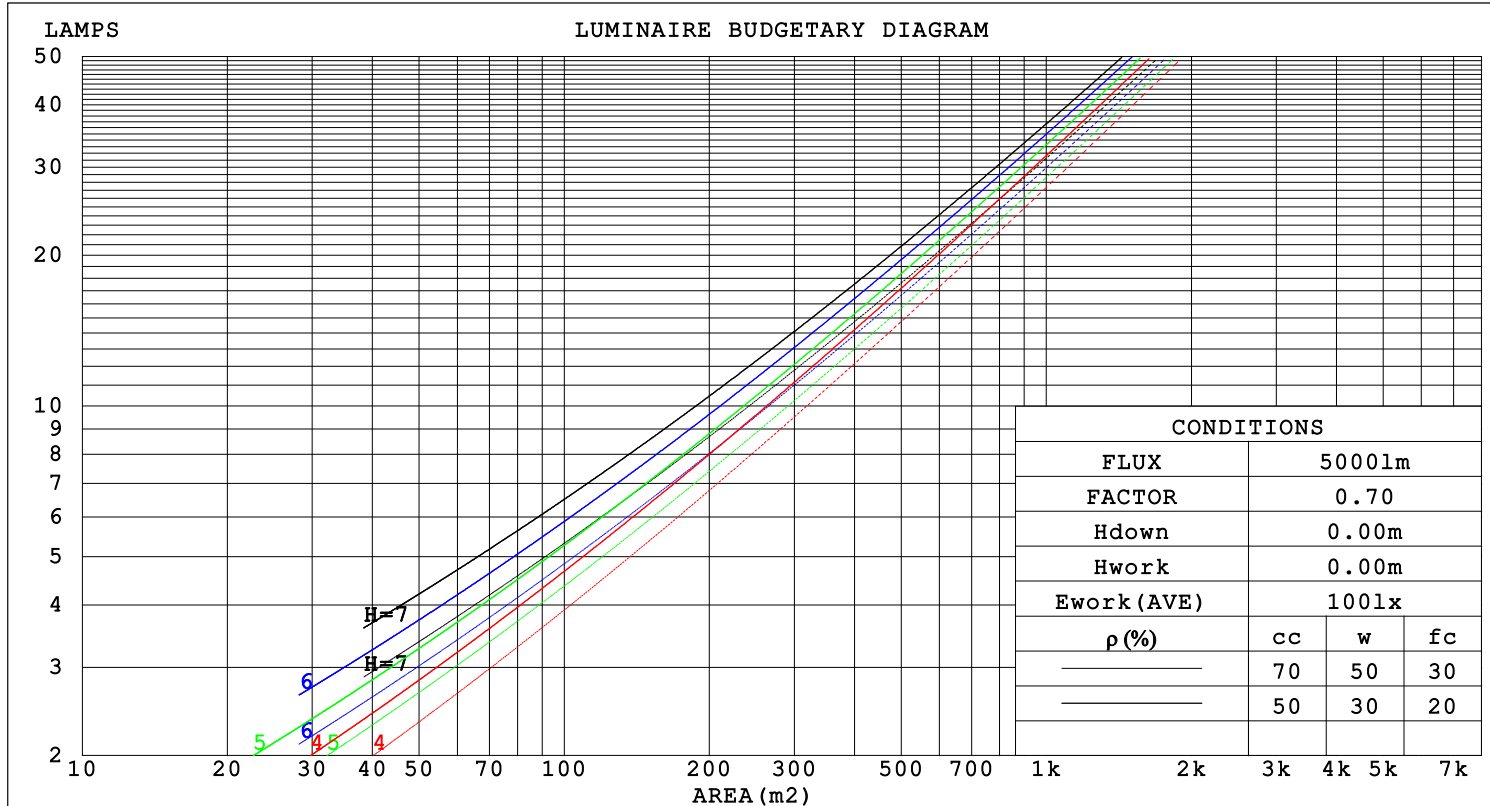
WEIGHT:

SPECIFICATION: FULHAM 800 MA

DIMENSION: 595*595*112 MM

SERIAL No.:

ρ_{cc}	80%			70%			50%			30%			10%			0												
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0												
ρ_{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	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85												
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72												
3.0	.82	.74	.68	.80	.73	.68	.78	.71	.66	.75	.70	.65	.72	.68	.64	.62												
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54												
5.0	.66	.58	.52	.65	.57	.51	.63	.56	.51	.61	.55	.50	.59	.54	.50	.48												
6.0	.60	.52	.46	.59	.51	.46	.58	.50	.45	.56	.50	.45	.54	.49	.44	.42												
7.0	.55	.47	.41	.54	.46	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38												
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.41	.36	.34												
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31												
10.0	.43	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.35	.30	.29												



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.500 m
 Remarks: 4000K

WEC AND CCEC

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: NEBULA 2X2							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION: FULHAM 800 MA							DIMENSION: 595*595*112 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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.295	.168	.053	.288	.164	.052	.275	.158	.050	.262	.151	.049	.251	.146	.047	
2.0	.274	.150	.046	.268	.148	.045	.257	.143	.044	.246	.138	.043	.236	.134	.042	
3.0	.253	.135	.040	.248	.133	.040	.238	.129	.039	.228	.125	.038	.219	.122	.038	
4.0	.234	.121	.036	.229	.120	.035	.220	.117	.035	.212	.114	.034	.204	.111	.034	
5.0	.217	.110	.032	.212	.109	.032	.204	.106	.031	.197	.104	.031	.190	.102	.031	
6.0	.201	.101	.029	.198	.100	.029	.191	.098	.028	.184	.096	.028	.178	.094	.028	
7.0	.188	.093	.026	.185	.092	.026	.178	.090	.026	.172	.088	.026	.167	.087	.025	
8.0	.176	.086	.024	.173	.085	.024	.167	.084	.024	.162	.082	.024	.157	.081	.024	
9.0	.165	.080	.022	.163	.079	.022	.158	.078	.022	.153	.077	.022	.149	.075	.022	
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.145	.072	.020	.141	.071	.020	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.087	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.082	.041	.119	.071	.036	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.131	.074	.035	.113	.065	.030	.078	.045	.021	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.030	.108	.060	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.103	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 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	19.9	21.3	20.1	21.5	21.7	19.8	21.2	20.1	21.4	21.6
3H	21.5	22.8	21.8	23.1	23.3	21.3	22.6	21.6	22.9	23.1
4H	22.4	23.7	22.7	23.9	24.2	22.1	23.3	22.4	23.6	23.8
6H	23.2	24.4	23.6	24.7	25.0	22.7	23.9	23.0	24.2	24.4
8H	23.6	24.7	23.9	25.0	25.3	22.9	24.1	23.3	24.4	24.7
12H	23.9	25.0	24.2	25.3	25.6	23.1	24.2	23.5	24.5	24.8
4H 2H	20.4	21.7	20.7	21.9	22.2	20.4	21.6	20.7	21.9	22.1
3H	22.2	23.3	22.6	23.6	23.9	22.1	23.2	22.5	23.5	23.8
4H	23.3	24.3	23.6	24.6	24.9	23.0	24.0	23.4	24.3	24.7
6H	24.2	25.1	24.6	25.5	25.8	23.8	24.7	24.2	25.0	25.4
8H	24.7	25.5	25.1	25.9	26.3	24.1	25.0	24.5	25.3	25.7
12H	25.1	25.8	25.5	26.2	26.6	24.4	25.1	24.8	25.5	25.9
8H 4H	23.6	24.4	24.0	24.8	25.1	23.3	24.2	23.7	24.5	24.9
6H	24.7	25.4	25.1	25.8	26.2	24.3	25.0	24.8	25.4	25.8
8H	25.3	25.9	25.7	26.3	26.7	24.8	25.4	25.2	25.8	26.2
12H	25.7	26.2	26.2	26.7	27.2	25.1	25.6	25.6	26.1	26.6
12H 4H	23.6	24.4	24.0	24.7	25.1	23.4	24.1	23.8	24.5	24.9
6H	24.8	25.4	25.2	25.8	26.3	24.4	25.0	24.9	25.5	25.9
8H	25.4	25.9	25.9	26.4	26.8	24.9	25.4	25.4	25.9	26.4

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.1 / - 0.1	+ 0.2 / - 0.2
2.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.3

CIE Pub.117 Corrected 3595 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
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UTILIZATION FACTORS TABLE

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NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 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) $k(RI) \times RCR = 5$									
$k = 0.60$	63	52	46	62	52	46	61	52	46	40
0.80	72	62	55	71	61	55	70	61	55	48
1.00	80	70	63	79	69	63	77	70	62	56
1.25	87	77	70	85	76	70	83	75	69	62
1.50	91	82	76	89	81	75	87	79	74	67
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	109	105	101	107	103	100	103	99	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

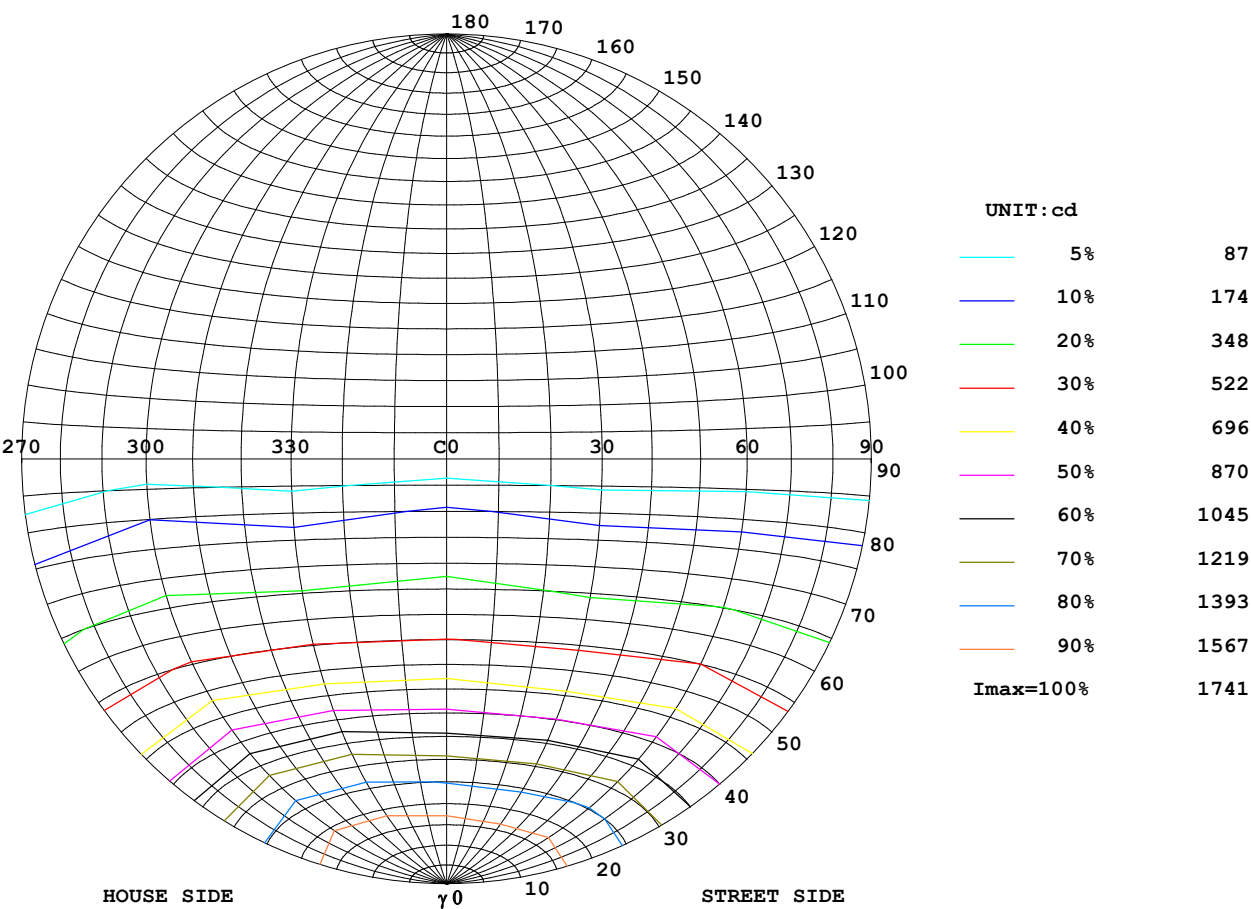
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 Temperature: 25.3 DEG
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Test Set: 5.0 deg/s C-Gamma (TYPE C)
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 17.40 lx



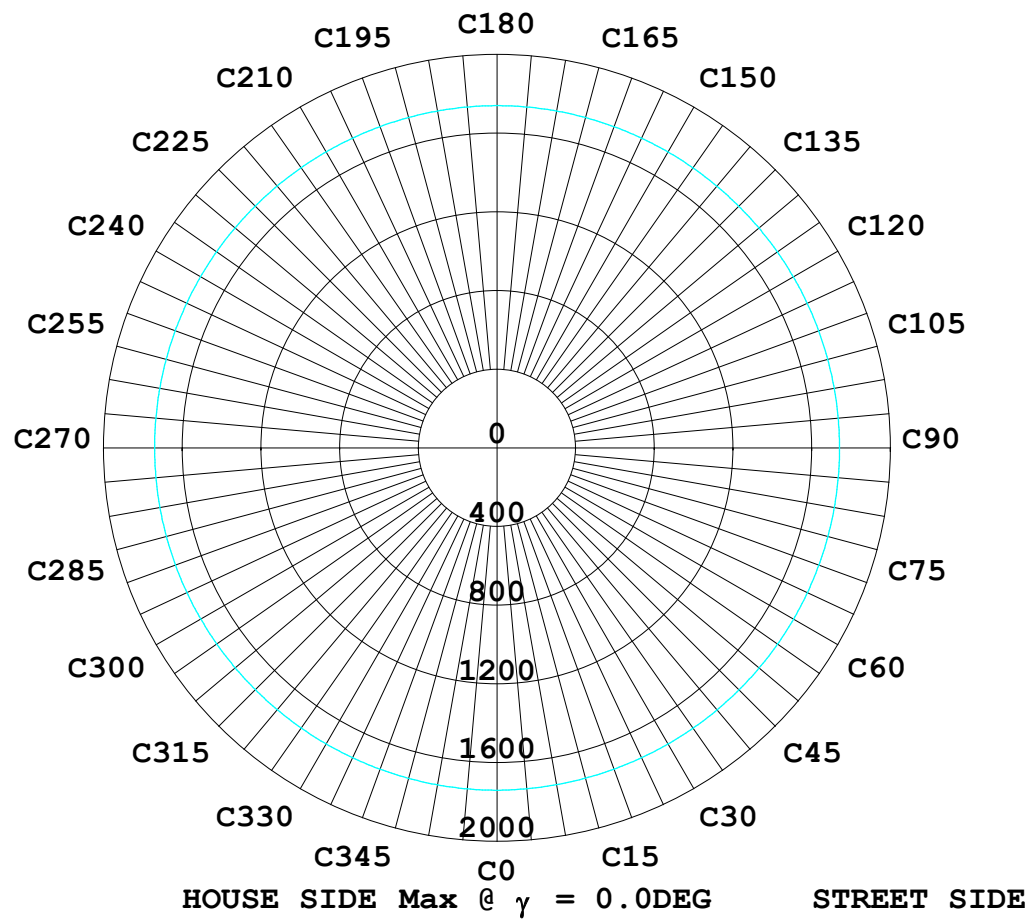
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: NEBULA 2X2	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 595*595*112 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-05-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.500 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
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UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1740	1738	1741	1741	1740	1738	1740	1738	1741	1741	1740	1738
5.0	1730	1720	1724	1719	1717	1708	1717	1723	1727	1733	1731	1732
10.0	1686	1674	1681	1668	1666	1649	1655	1674	1682	1699	1694	1695
15.0	1611	1597	1609	1596	1591	1561	1568	1595	1610	1637	1629	1627
20.0	1507	1493	1514	1499	1492	1450	1456	1492	1517	1553	1539	1535
25.0	1385	1371	1400	1379	1374	1317	1322	1368	1402	1445	1430	1418
30.0	1245	1236	1269	1236	1236	1171	1166	1225	1269	1314	1298	1286
35.0	1069	1070	1098	1046	1053	979	976	1050	1106	1148	1147	1134
40.0	891	873	907	870	862	797	813	865	894	949	941	937
45.0	748	716	736	726	711	664	677	712	718	787	756	766
50.0	625	598	616	588	593	556	562	603	597	645	629	646
55.0	524	504	522	494	498	470	482	511	495	528	525	540
60.0	446	414	442	414	420	387	397	427	406	461	445	453
65.0	381	335	349	338	337	306	327	337	337	384	355	374
70.0	313	265	280	279	263	233	274	262	256	299	278	294
75.0	259	206	212	218	198	179	208	205	182	244	202	229
80.0	185	147	146	149	131	114	138	138	120	172	142	171
85.0	109	76.2	81.3	78.0	66.1	45.3	56.7	62.9	53.5	101	73.6	97.9
90.0	23.1	13.5	19.0	10.8	17.4	11.0	10.1	11.5	4.85	14.1	9.81	22.3

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