

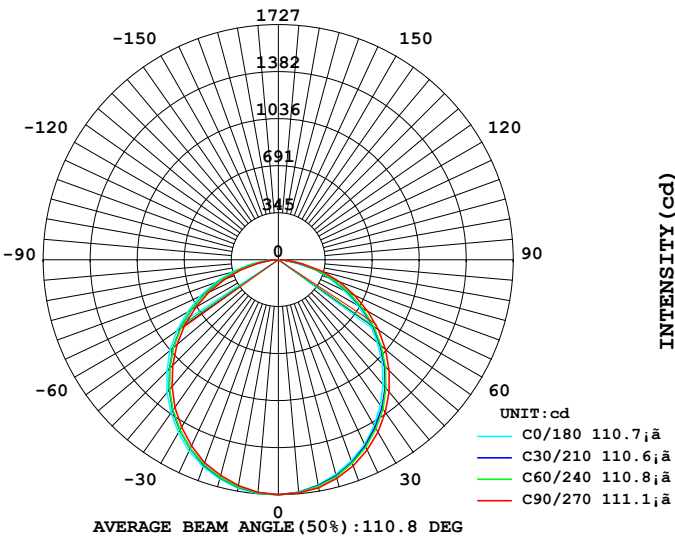
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

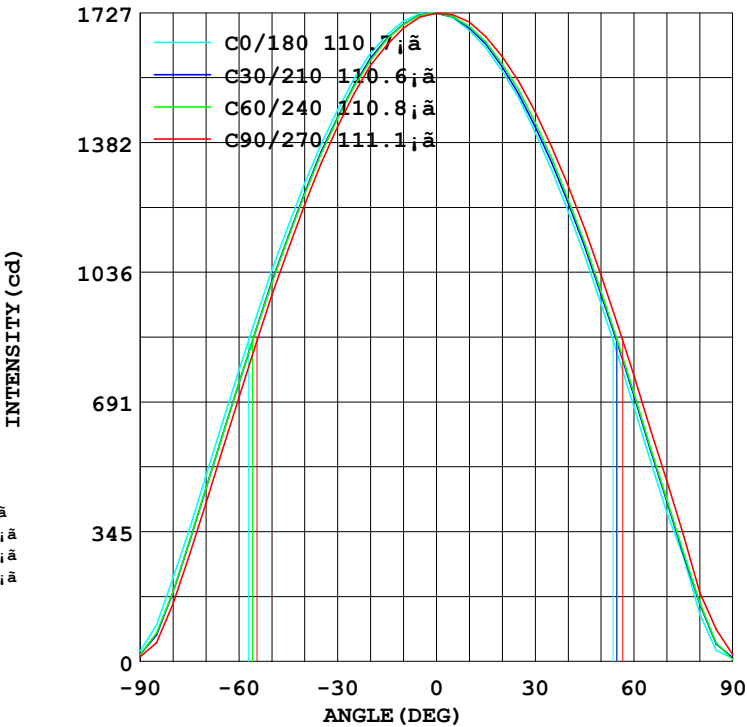
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1727	S/MH (C0/180)	1.26
MODEL	DISC BACKLIT	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER (W)	41	TOTAL FLUX (lm)	4808.7	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	117.3	Current (A)	0.188
NOMINAL FLUX (lm)	4808.7	η up (%)	0.0	Power (W)	40.98
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.993
TEST VOLTAGE (V)	219.6	Effictive Flux (lm)	4729.9	EEI	0.118

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

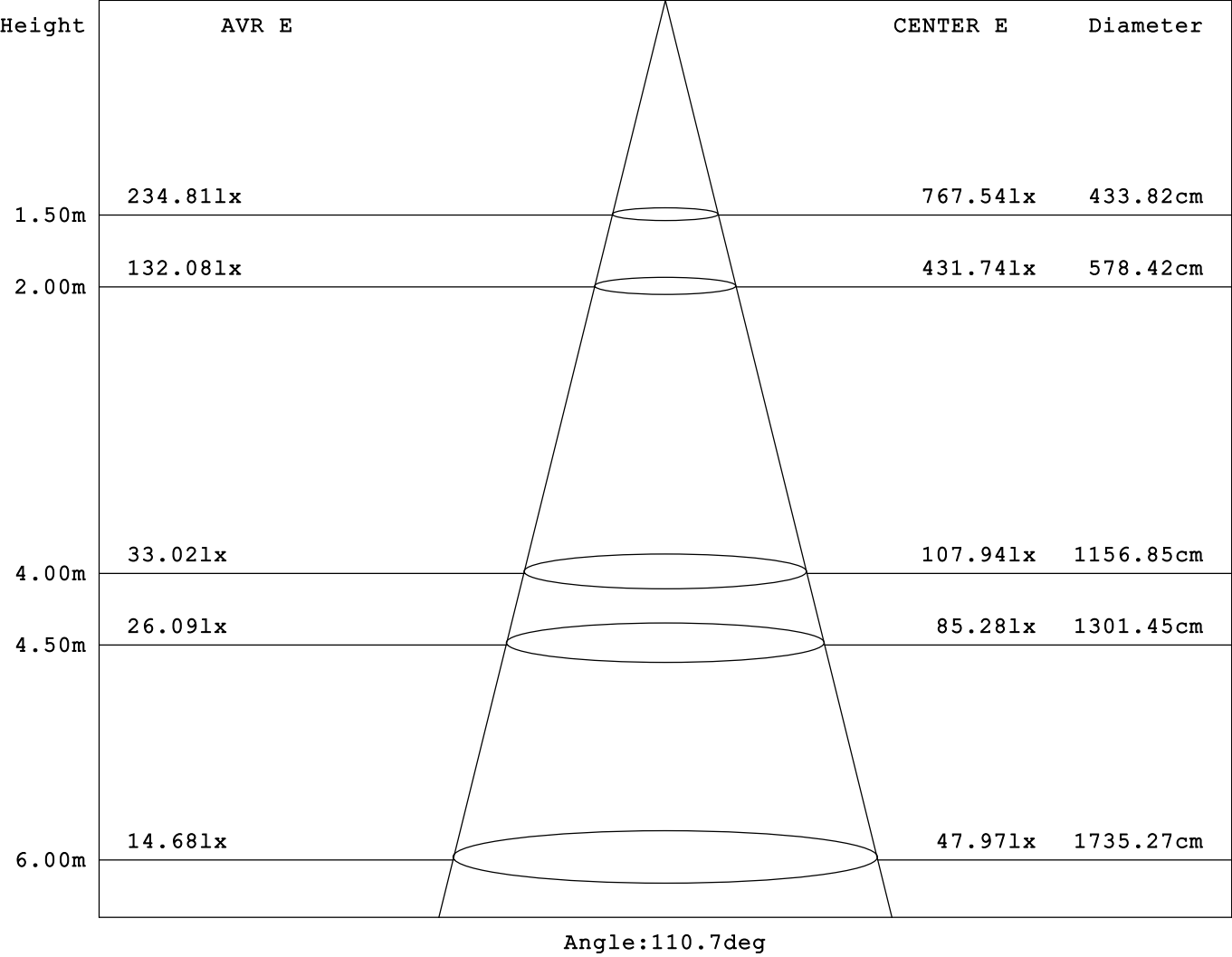
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1705	1696	1687	1679	1681	1689	1702	1707	0- 10	163.2	163.2
20.0	1620	1604	1587	1571	1573	1587	1611	1624	10- 20	466.2	629.4
30.0	1468	1447	1424	1404	1409	1429	1464	1479	20- 30	702.8	1332
40.0	1273	1246	1216	1194	1199	1226	1267	1286	30- 40	841.2	2174
50.0	1041	1009	973.8	951.6	952.1	981.5	1029	1050	40- 50	865.4	3039
60.0	772.7	739.6	701.1	676.5	677.1	711.0	761.4	785.5	50- 60	774.3	3813
70.0	492.5	458.8	419.9	397.1	395.6	428.0	479.6	503.5	60- 70	582.0	4395
80.0	221.3	183.4	152.4	133.5	125.3	153.8	182.9	223.5	70- 80	326.4	4722
90.0	27.52	18.27	12.67	15.68	8.192	7.520	17.53	20.54	80- 90	86.93	4809
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:06-14-2025

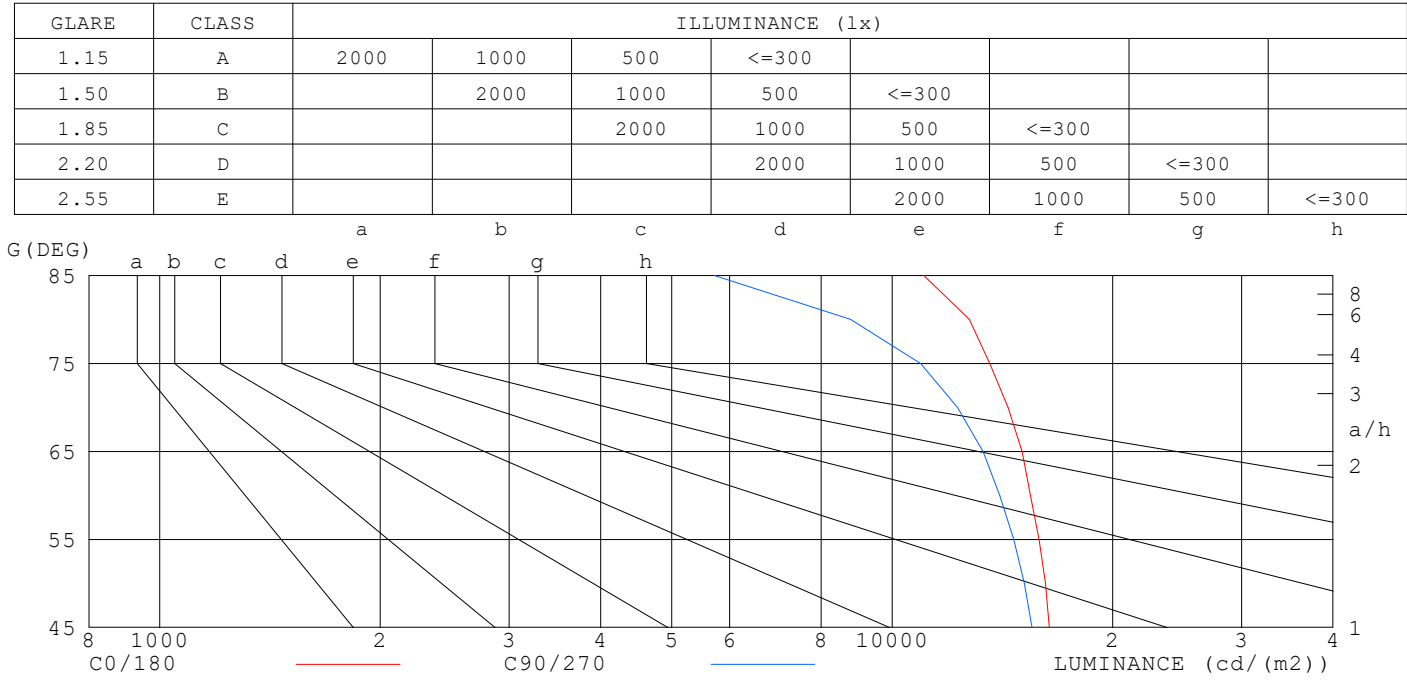
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	11051	5720
80	12745	8779
75	13595	10944
70	14401	12277
65	15051	13313
60	15456	14024
55	15869	14661
50	16189	15150
45	16400	15523

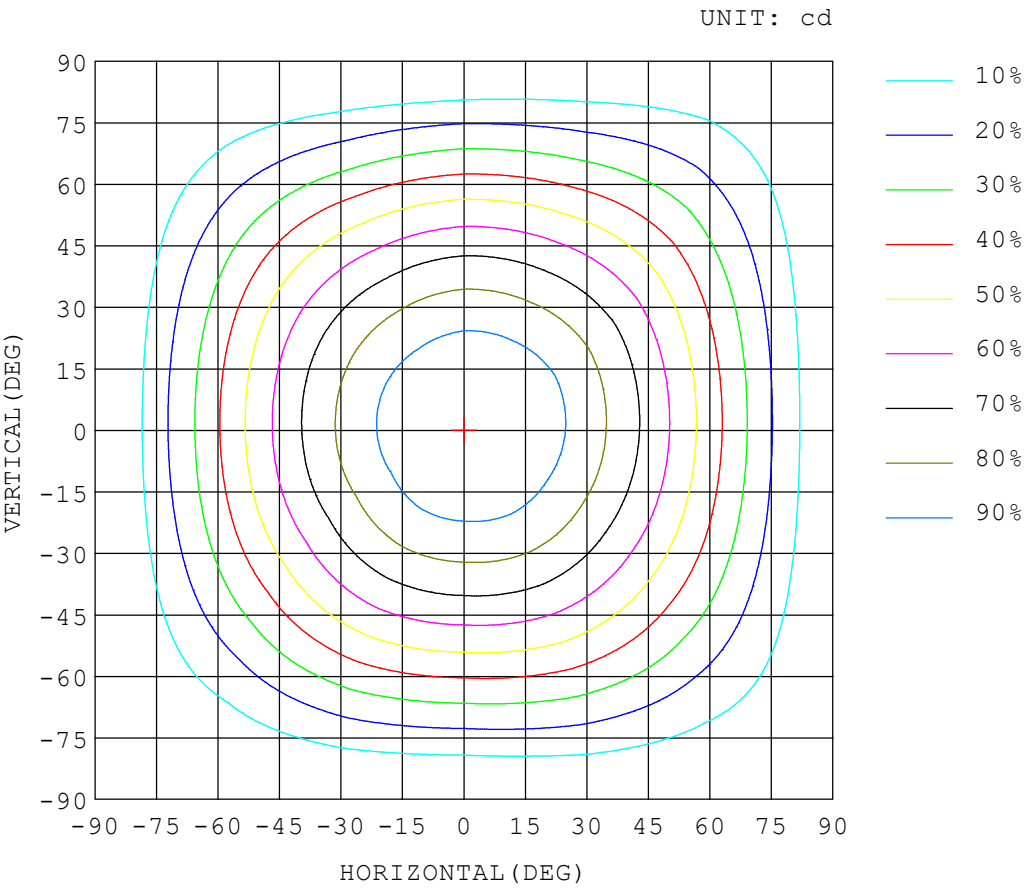
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:



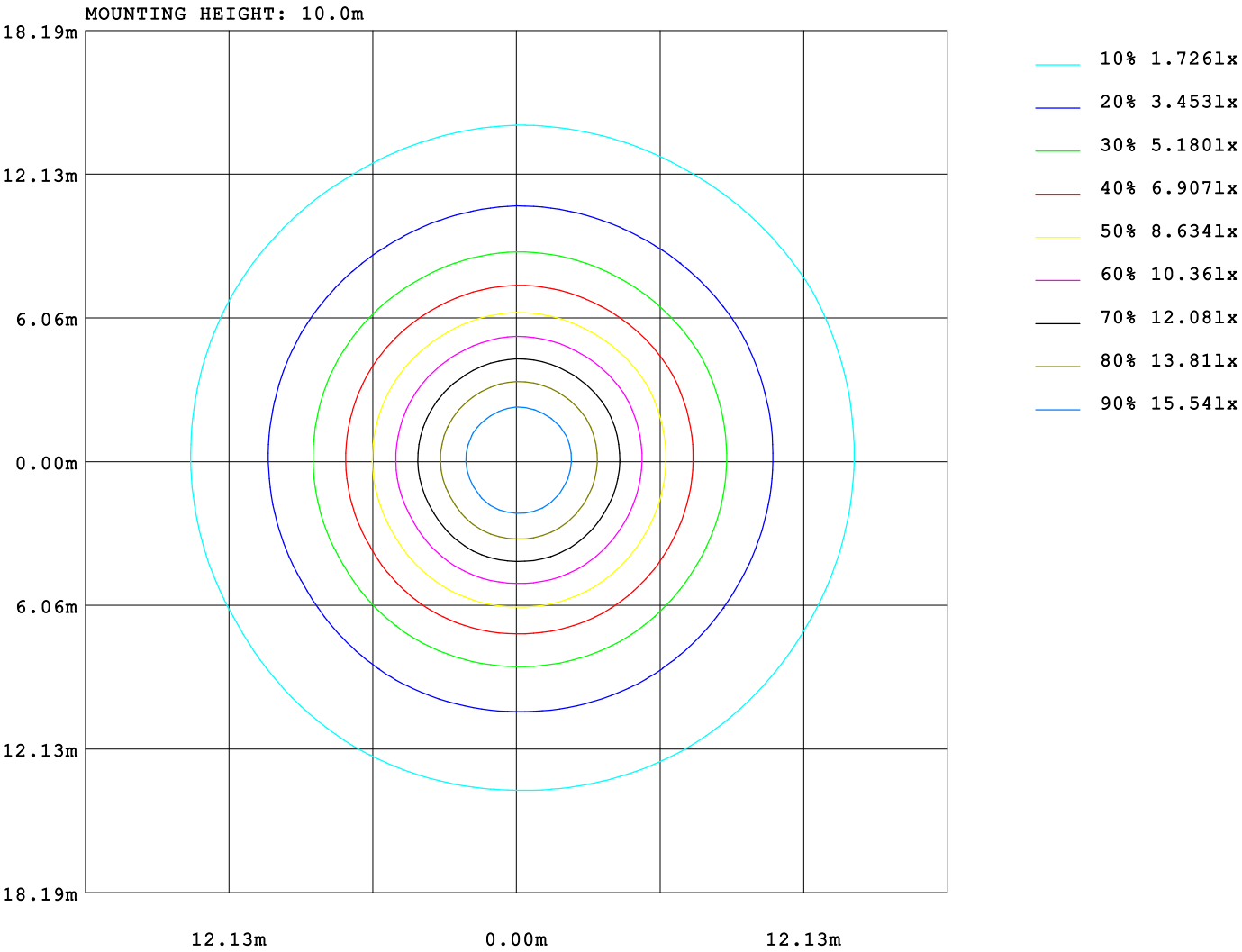
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: DISC BACKLIT										TYPE: 5700K CRI-90					WEIGHT:					
SPECIFICATION: FULHAM-1050 MA										DIMENSION: D-500 H-95 MM					SERIAL No.:					

90 80 70 60 50 40 30
--

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: DISC BACKLIT

TYPE: 5700K CRI-90

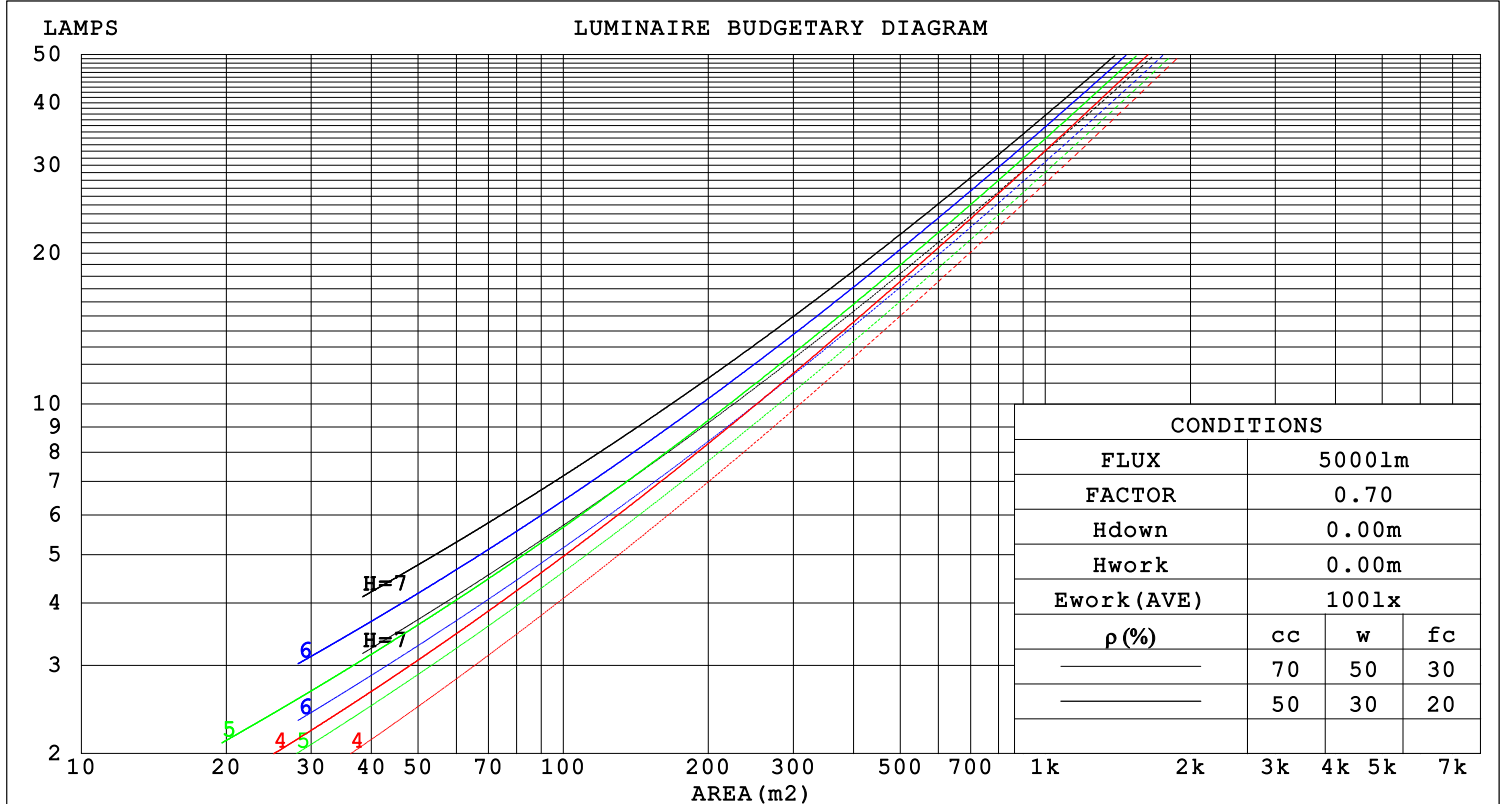
WEIGHT:

SPECIFICATION: FULHAM-1050 MA

DIMENSION: D-500 H-95 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															



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.000 m
 Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: DISC BACKLIT								TYPE: 5700K CRI-90				WEIGHT:		
SPECIFICATION: FULHAM-1050 MA								DIMENSION: D-500 H-95 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	.307	.175	.055	.300	.171	.054	.287	.164	.053	.275	.158	.051	.263	.153	.049															
2.0	.289	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045															
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.130	.040															
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036															
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032															
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.189	.099	.029															
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027															
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025															
9.0	.173	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023															
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021															

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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: DISC BACKLIT					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION: FULHAM-1050 MA					DIMENSION: D-500 H-95 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	22.5	24.0	22.8	24.2	24.4	22.3	23.8	22.5	24.0	24.2
	3H	24.1	25.5	24.4	25.7	25.9	23.7	25.1	24.0	25.3	25.5
	4H	24.7	26.0	25.0	26.3	26.5	24.2	25.5	24.5	25.7	26.0
	6H	25.1	26.4	25.5	26.7	26.9	24.4	25.7	24.8	26.0	26.2
	8H	25.2	26.4	25.6	26.7	27.0	24.4	25.6	24.8	25.9	26.2
	12H	25.3	26.5	25.6	26.8	27.1	24.4	25.6	24.8	25.9	26.2
4H	2H	23.1	24.4	23.4	24.7	24.9	22.9	24.2	23.2	24.5	24.7
	3H	24.8	26.0	25.1	26.3	26.6	24.5	25.7	24.8	26.0	26.3
	4H	25.5	26.6	25.9	26.9	27.2	25.1	26.2	25.5	26.5	26.8
	6H	26.1	27.0	26.5	27.4	27.7	25.5	26.4	25.9	26.8	27.2
	8H	26.2	27.1	26.6	27.5	27.8	25.5	26.4	25.9	26.8	27.2
	12H	26.3	27.1	26.7	27.5	27.9	25.6	26.4	26.0	26.7	27.2
8H	4H	25.7	26.6	26.2	27.0	27.4	25.4	26.3	25.8	26.6	27.0
	6H	26.4	27.1	26.8	27.5	28.0	25.9	26.6	26.3	27.0	27.4
	8H	26.6	27.2	27.0	27.6	28.1	26.0	26.6	26.4	27.0	27.5
	12H	26.7	27.3	27.2	27.7	28.2	26.0	26.6	26.5	27.1	27.5
12H	4H	25.7	26.5	26.2	26.9	27.3	25.4	26.2	25.8	26.6	27.0
	6H	26.4	27.1	26.9	27.5	27.9	25.9	26.5	26.4	27.0	27.4
	8H	26.6	27.2	27.1	27.6	28.1	26.0	26.6	26.5	27.0	27.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.3					+ 0.2 / - 0.4				
2.0H		+ 0.3 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 4809 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 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) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	48	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	85	80	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

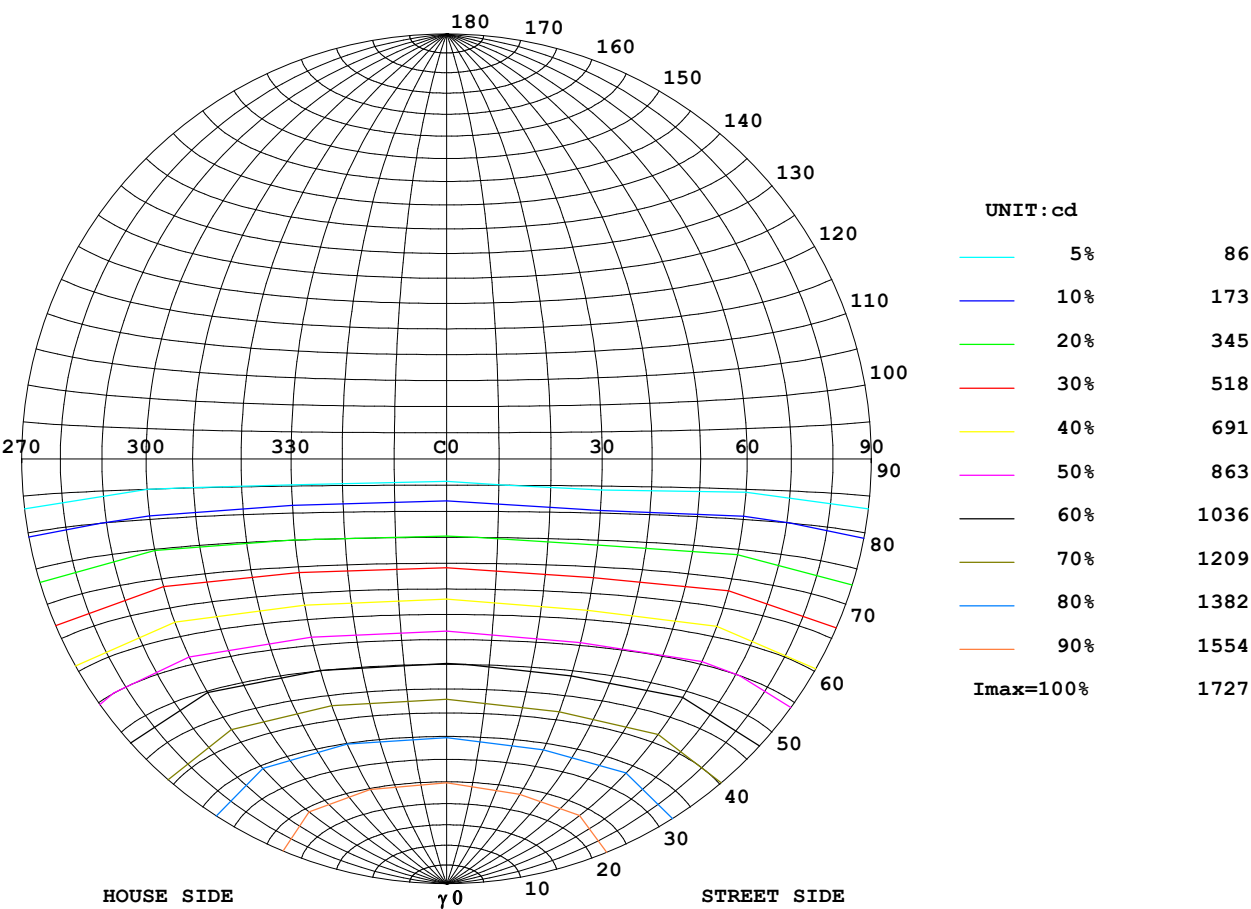
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Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

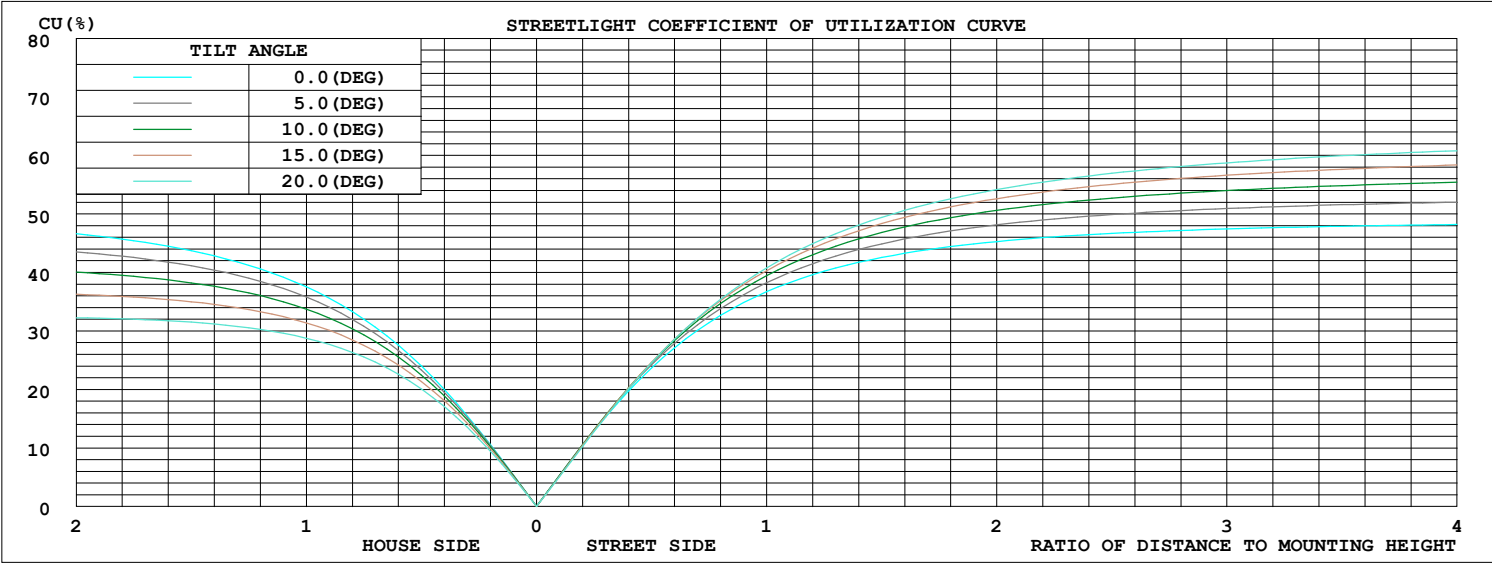
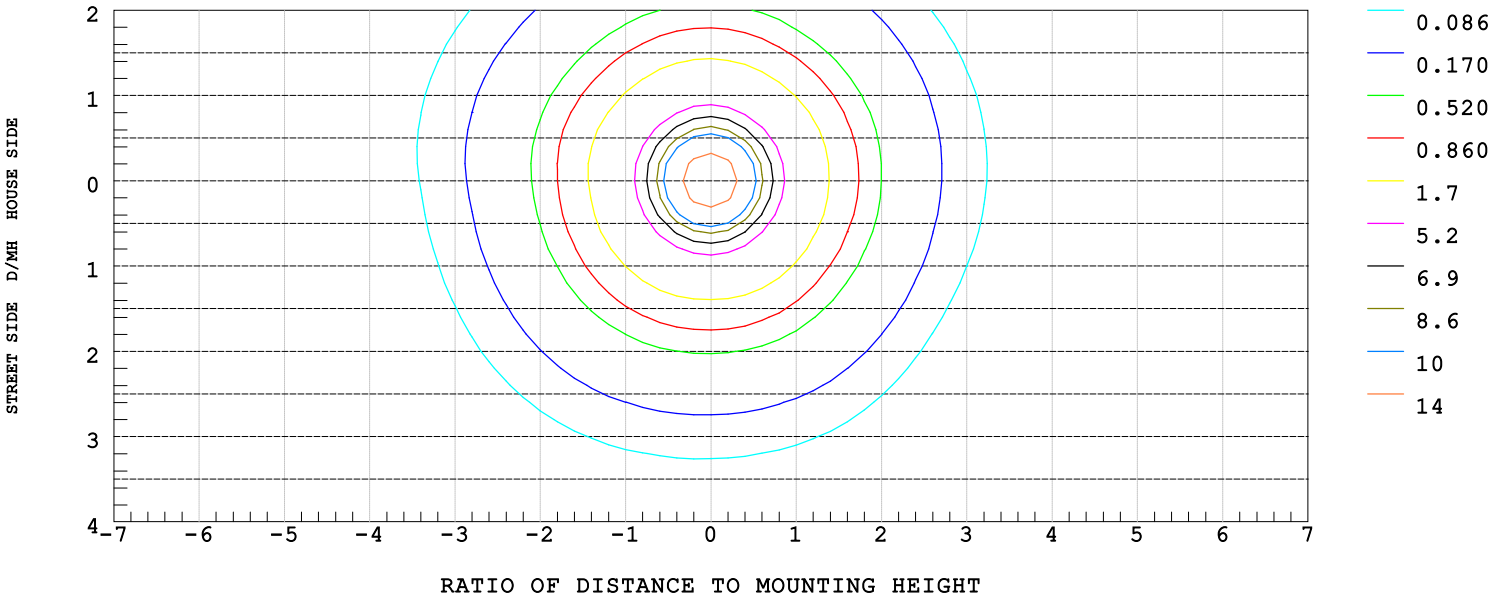
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 17.27 lx



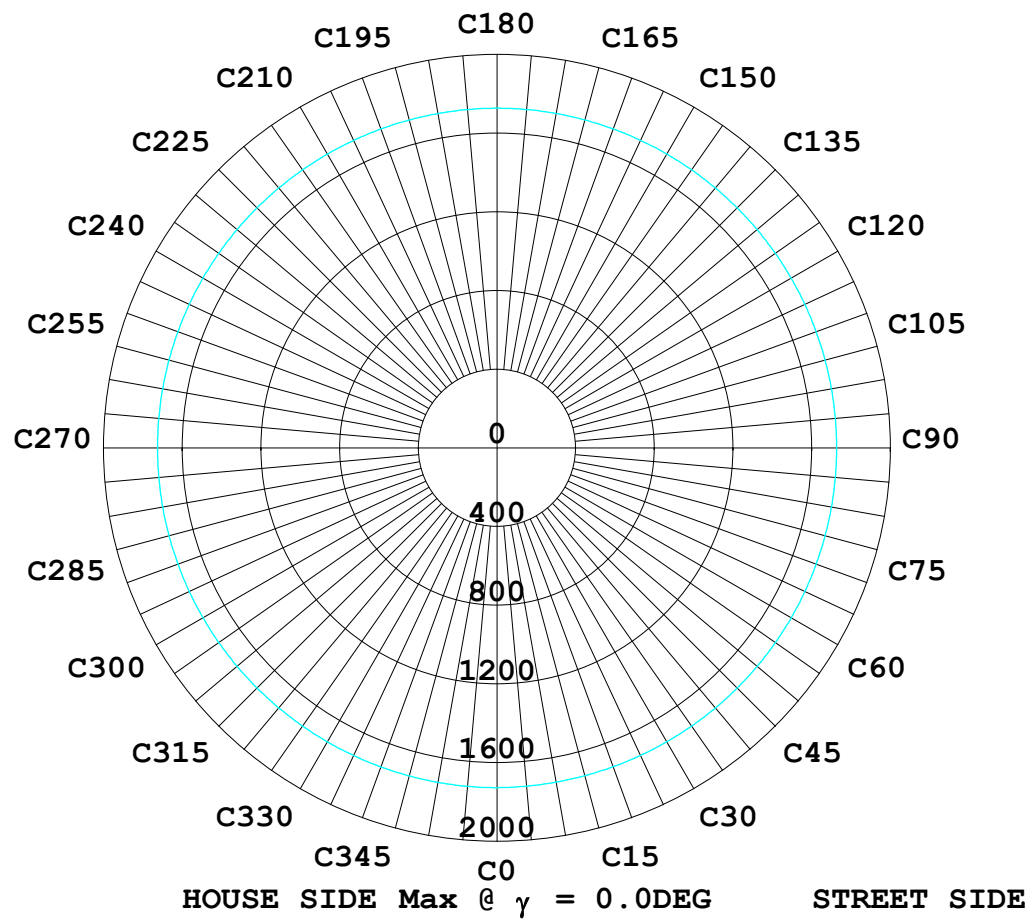
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Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM-1050 MA	DIMENSION: D-500 H-95 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1727	1725	1727	1726	1727	1726	1727	1725	1727	1726	1727	1726
5.0	1725	1721	1721	1716	1713	1706	1714	1716	1717	1722	1725	1727
10.0	1705	1697	1696	1687	1684	1675	1681	1687	1691	1702	1704	1710
15.0	1668	1659	1657	1642	1638	1625	1634	1644	1649	1664	1669	1678
20.0	1620	1607	1601	1587	1580	1562	1573	1584	1590	1611	1618	1630
25.0	1551	1534	1531	1511	1505	1484	1500	1510	1521	1544	1551	1566
30.0	1468	1448	1446	1424	1416	1392	1409	1424	1435	1464	1471	1488
35.0	1376	1356	1351	1326	1320	1291	1308	1328	1340	1370	1378	1399
40.0	1273	1248	1245	1216	1209	1180	1199	1222	1231	1267	1276	1297
45.0	1160	1132	1129	1098	1091	1058	1081	1104	1114	1152	1160	1185
50.0	1041	1011	1007	974	971	933	952	978	985	1029	1036	1064
55.0	910	878	877	841	835	797	819	848	855	899	907	938
60.0	773	740	740	701	696	657	677	707	715	761	769	802
65.0	636	602	601	563	559	518	535	564	570	619	627	661
70.0	493	459	459	420	417	378	396	425	431	480	487	520
75.0	352	318	320	283	279	234	280	286	292	339	345	378
80.0	221	183	184	152	151	116	125	152	156	183	205	242
85.0	96.3	70.0	75.3	49.8	49.7	28.4	29.5	46.4	48.7	85.2	89.0	117
90.0	27.5	18.0	18.4	12.6	18.1	13.1	8.19	10.1	4.86	17.5	15.1	25.9

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5700K