

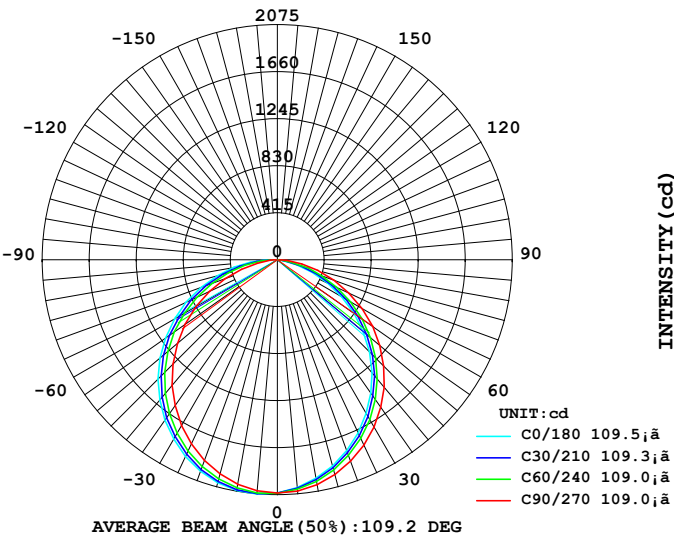
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

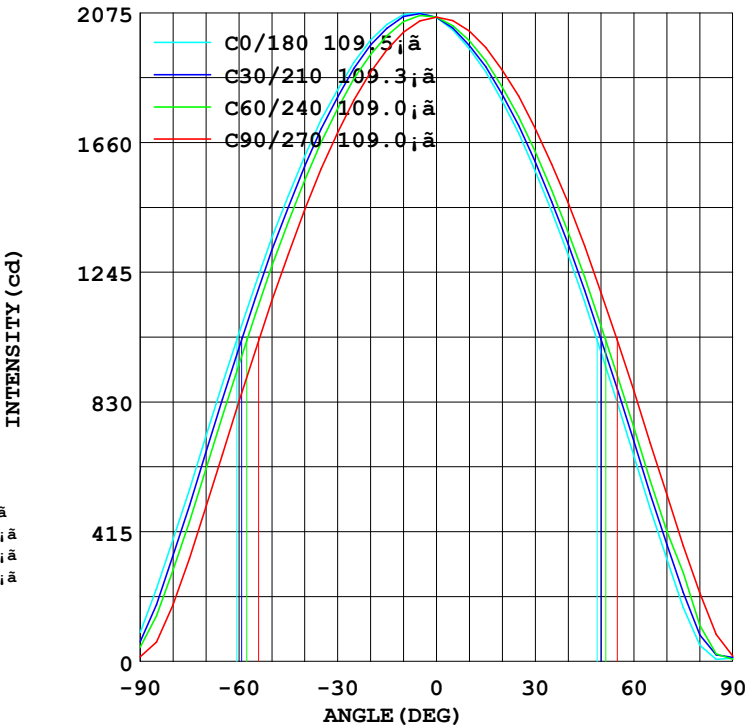
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	2075	S/MH (C0/180)	1.32
MODEL	DISC BACKLIT	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER (W)	58	TOTAL FLUX (lm)	5667.4	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	96.9	Current (A)	0.270
NOMINAL FLUX (lm)	5667.5	η up (%)	0.0	Power (W)	58.50
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	219.7	Effictive Flux(lm)	5571.4	EEI	0.143

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:

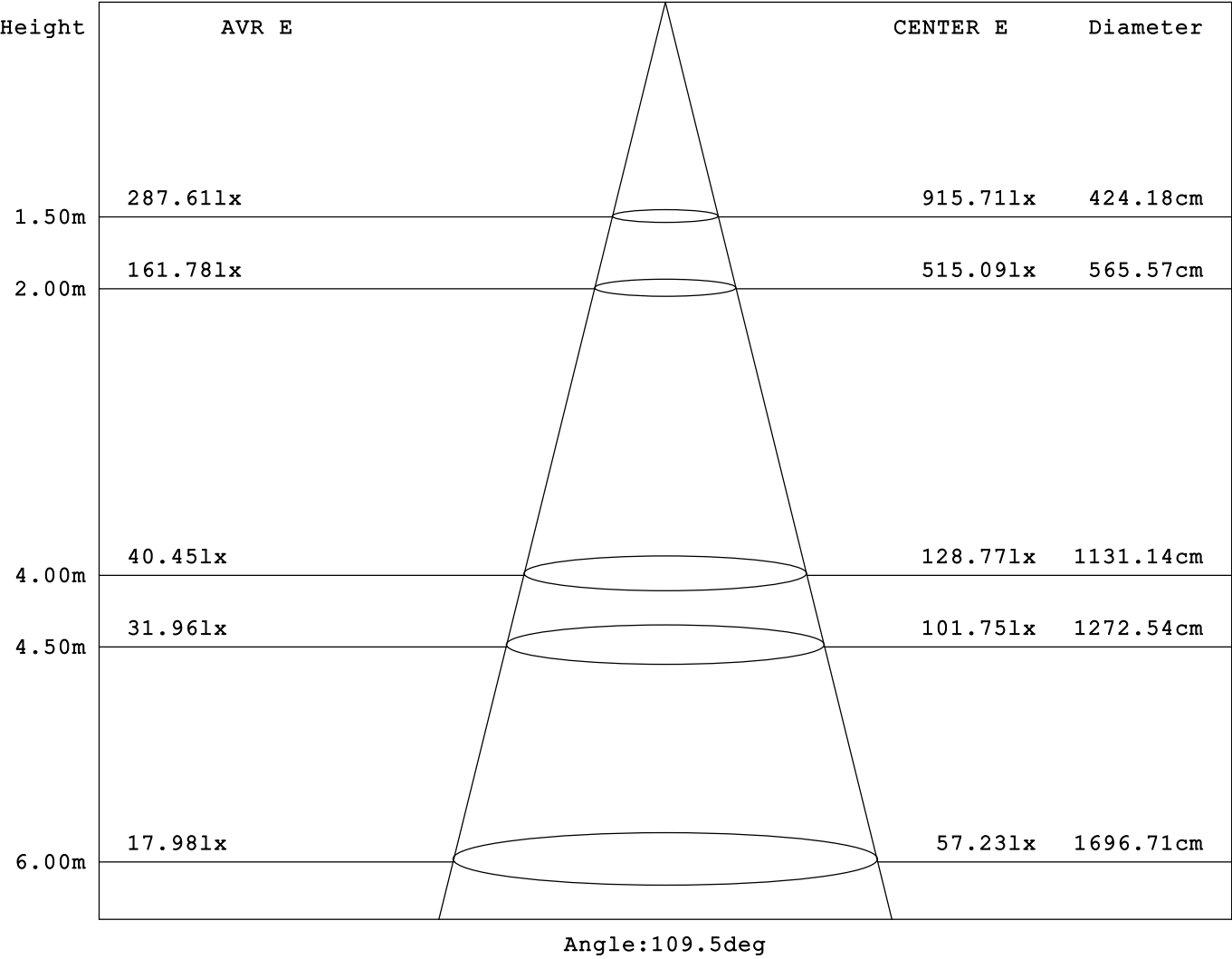
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	2070	2055	2014	1969	1961	1979	2018	2050	0- 10	194.3	194.3
20.0	1988	1957	1886	1816	1794	1827	1893	1957	10- 20	553.0	747.4
30.0	1830	1787	1692	1599	1570	1616	1707	1791	20- 30	830.2	1578
40.0	1616	1562	1445	1337	1303	1355	1469	1570	30- 40	990.6	2568
50.0	1355	1290	1154	1033	989.8	1052	1180	1301	40- 50	1016	3584
60.0	1048	973.9	829.5	701.5	656.4	725.4	865.4	992.5	50- 60	904.8	4489
70.0	718.7	641.2	492.6	372.4	327.4	395.0	533.8	662.7	60- 70	676.7	5166
80.0	388.3	314.1	179.5	92.54	51.84	99.71	218.4	333.0	70- 80	380.8	5547
90.0	92.67	54.46	15.16	19.77	11.07	9.600	16.95	60.44	80- 90	120.6	5667
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:06-18-2025

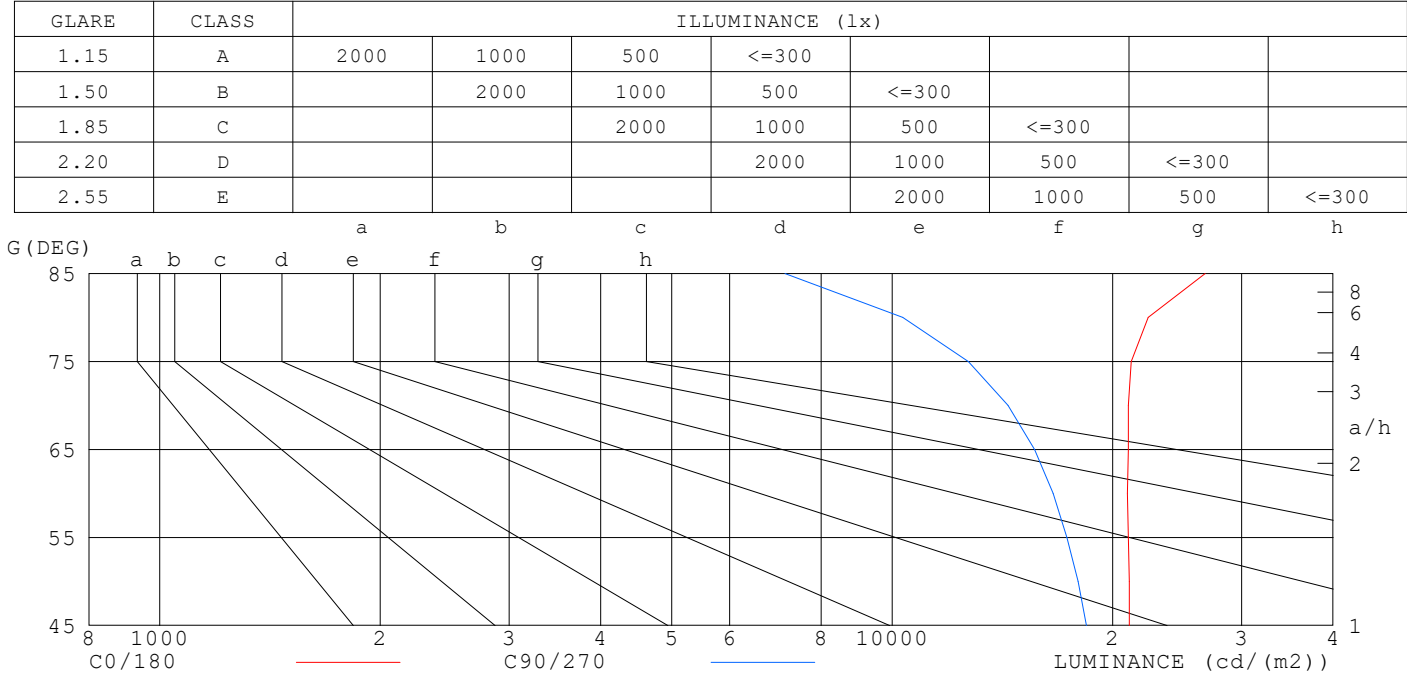
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	26773	7138
80	22364	10338
75	21219	12708
70	21016	14403
65	21016	15659
60	20955	16591
55	21021	17328
50	21080	17949
45	21078	18428

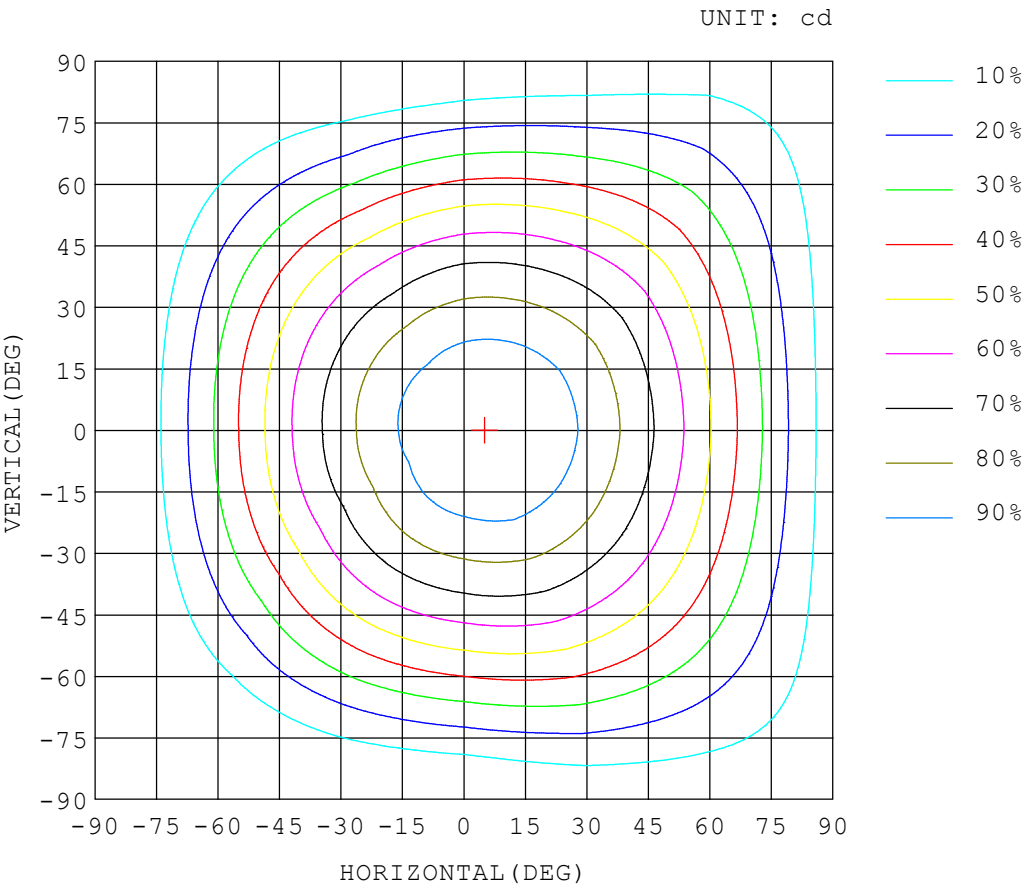
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:



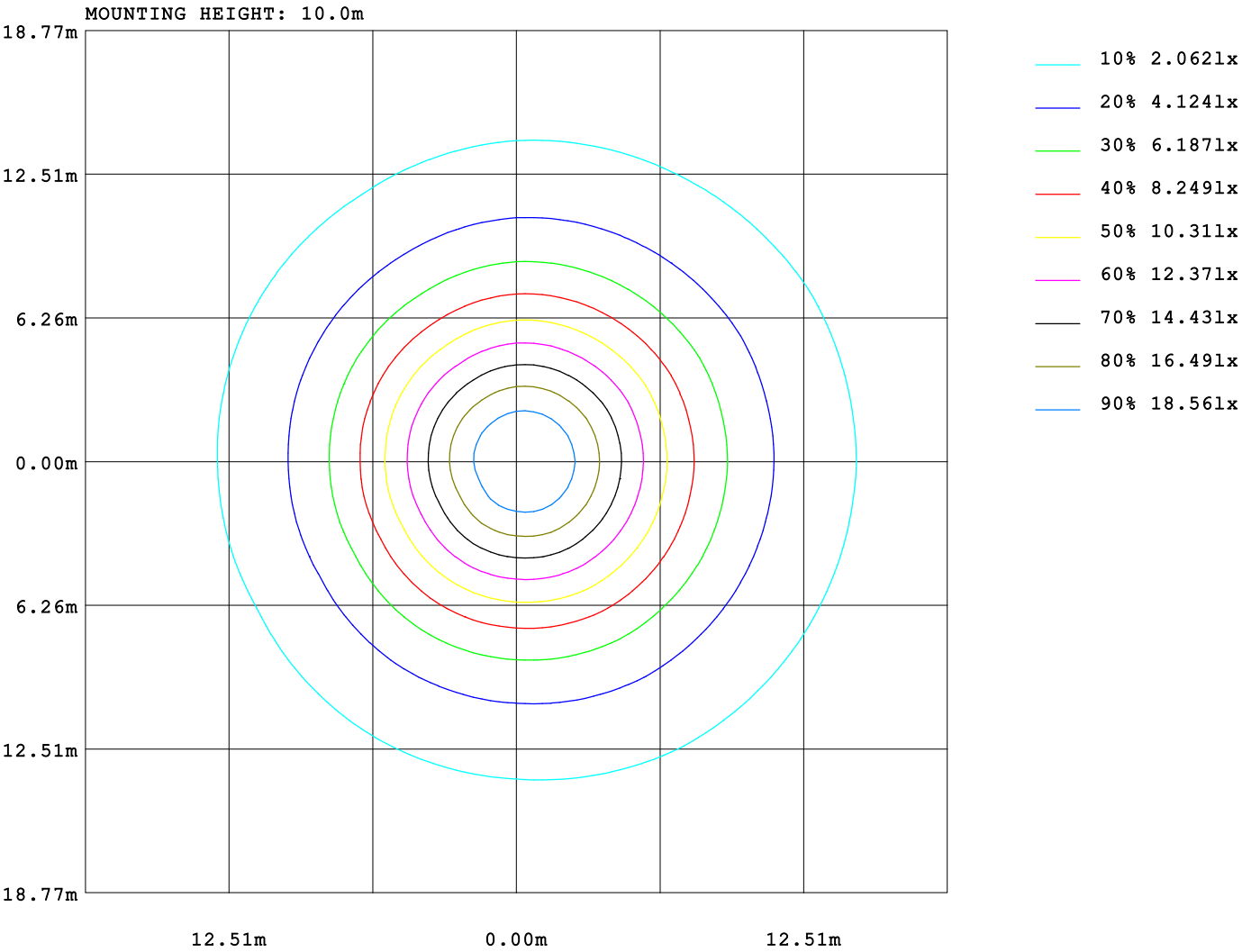
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: DISC BACKLIT										TYPE: 4000K CRI-90					WEIGHT:				
SPECIFICATION:										DIMENSION: D-700 H-95 MM					SERIAL No.:				

90 80 70 60 50 40 30 <

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

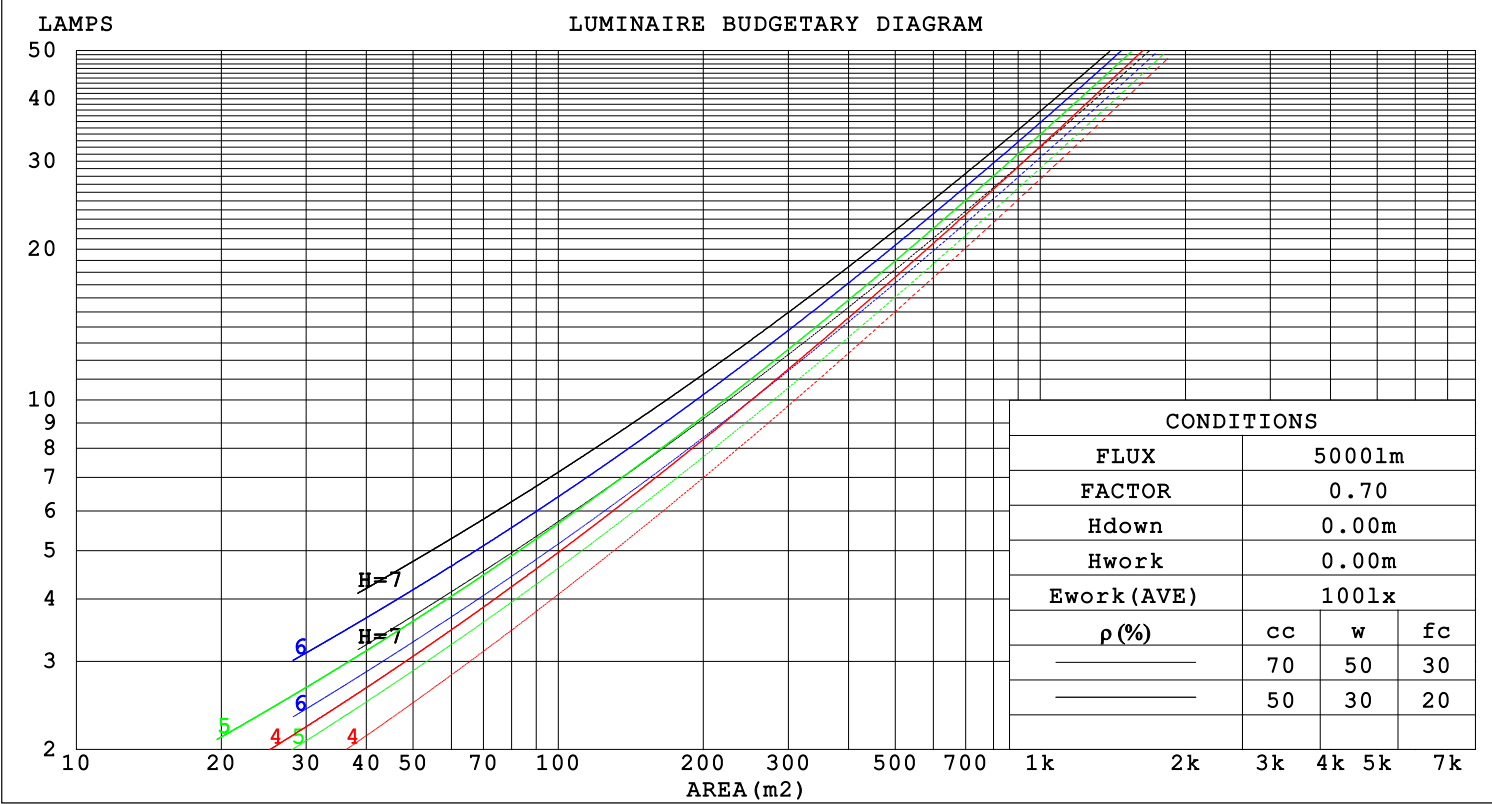
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: DISC BACKLIT								TYPE: 4000K CRI-90				WEIGHT:			
SPECIFICATION:								DIMENSION: D-700 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
pf _c	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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.31	.26	.24



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: DISC BACKLIT							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION:							DIMENSION: D-700 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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.290	.159	.049	.284	.156	.048	.272	.151	.047	.262	.147	.046	.252	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.253	.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	.105	.030	.202	.103	.030	.195	.101	.030	.188	.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	.086	.025	.166	.085	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.161	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.151	.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	.134	.154	.134	.116	.106	.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	.064	.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:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: DISC BACKLIT					TYPE: 4000K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-700 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	23.9	25.4	24.2	25.6	25.8	23.2	24.7	23.4	24.9	25.1
	3H	25.7	27.1	26.0	27.3	27.6	24.5	25.9	24.8	26.2	26.4
	4H	26.5	27.8	26.8	28.1	28.3	25.0	26.4	25.4	26.6	26.9
	6H	27.2	28.5	27.5	28.7	29.0	25.3	26.6	25.7	26.9	27.1
	8H	27.5	28.7	27.8	29.0	29.3	25.4	26.6	25.7	26.9	27.1
	12H	27.7	28.9	28.1	29.2	29.5	25.4	26.5	25.7	26.8	27.1
4H	2H	24.5	25.8	24.8	26.1	26.3	23.9	25.3	24.3	25.5	25.8
	3H	26.5	27.6	26.8	27.9	28.2	25.6	26.7	25.9	27.0	27.3
	4H	27.4	28.5	27.8	28.8	29.1	26.2	27.3	26.6	27.6	27.9
	6H	28.3	29.2	28.7	29.6	29.9	26.6	27.6	27.0	27.9	28.3
	8H	28.6	29.5	29.0	29.9	30.3	26.7	27.6	27.1	27.9	28.3
	12H	29.0	29.8	29.4	30.1	30.6	26.7	27.5	27.2	27.9	28.3
8H	4H	27.7	28.6	28.1	28.9	29.3	26.6	27.5	27.1	27.9	28.3
	6H	28.7	29.4	29.1	29.8	30.3	27.2	28.0	27.7	28.4	28.8
	8H	29.2	29.8	29.6	30.2	30.7	27.4	28.1	27.9	28.5	28.9
	12H	29.6	30.2	30.1	30.6	31.1	27.5	28.1	28.0	28.5	29.0
12H	4H	27.7	28.5	28.1	28.9	29.3	26.7	27.5	27.1	27.9	28.3
	6H	28.8	29.4	29.2	29.8	30.3	27.4	28.0	27.8	28.4	28.9
	8H	29.3	29.8	29.7	30.3	30.8	27.6	28.2	28.1	28.6	29.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.4				
2.0H		+ 0.1 / - 0.3					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 5667 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 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	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	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		

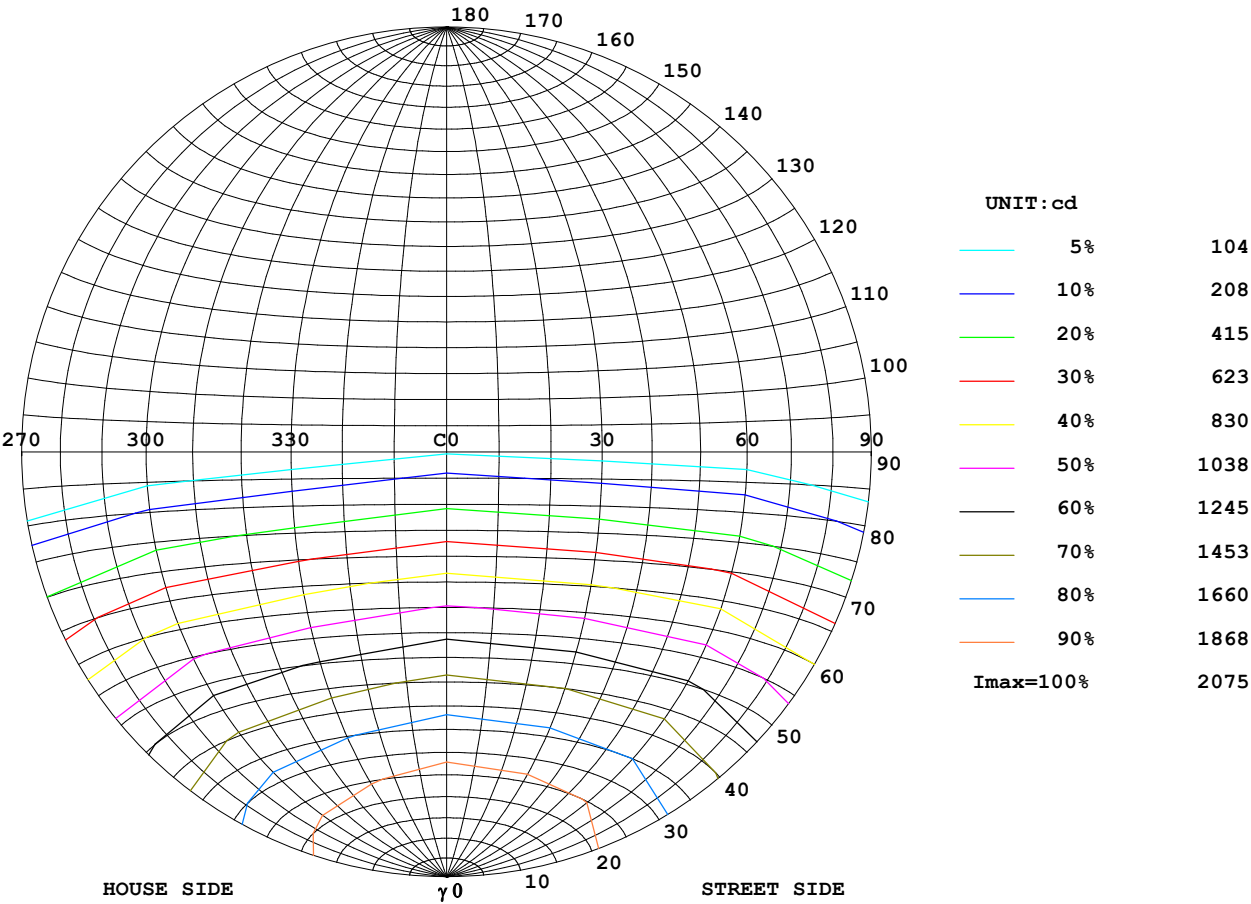
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

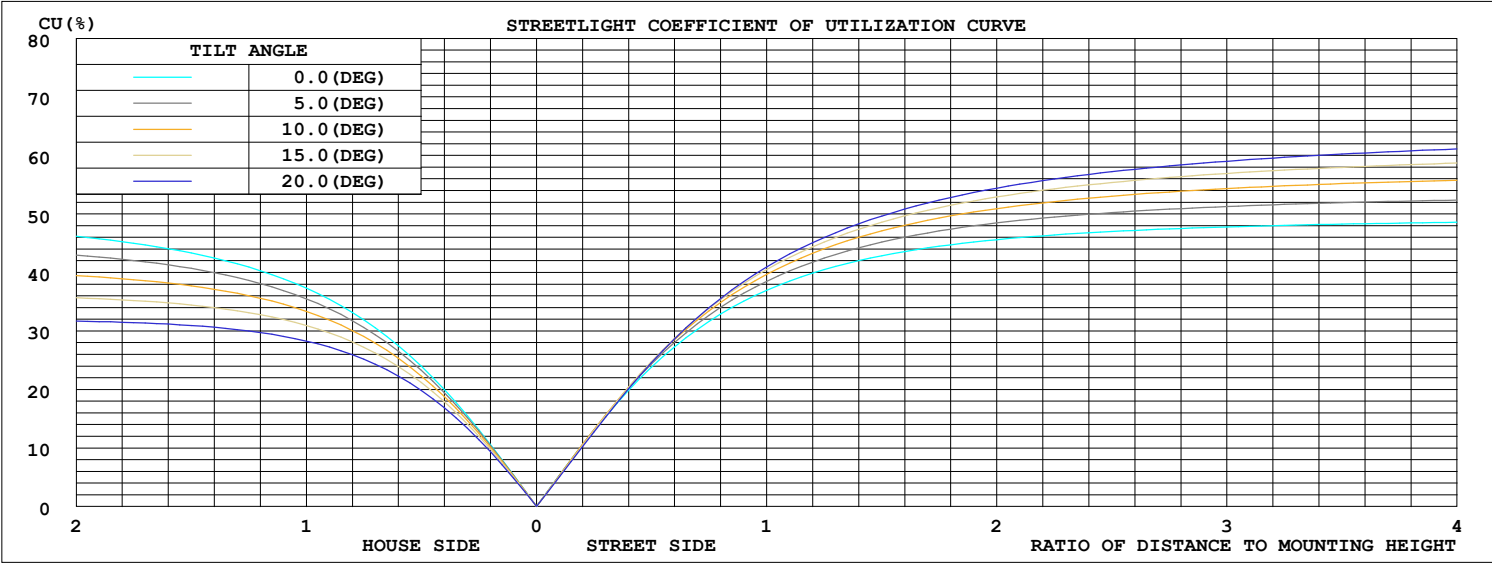
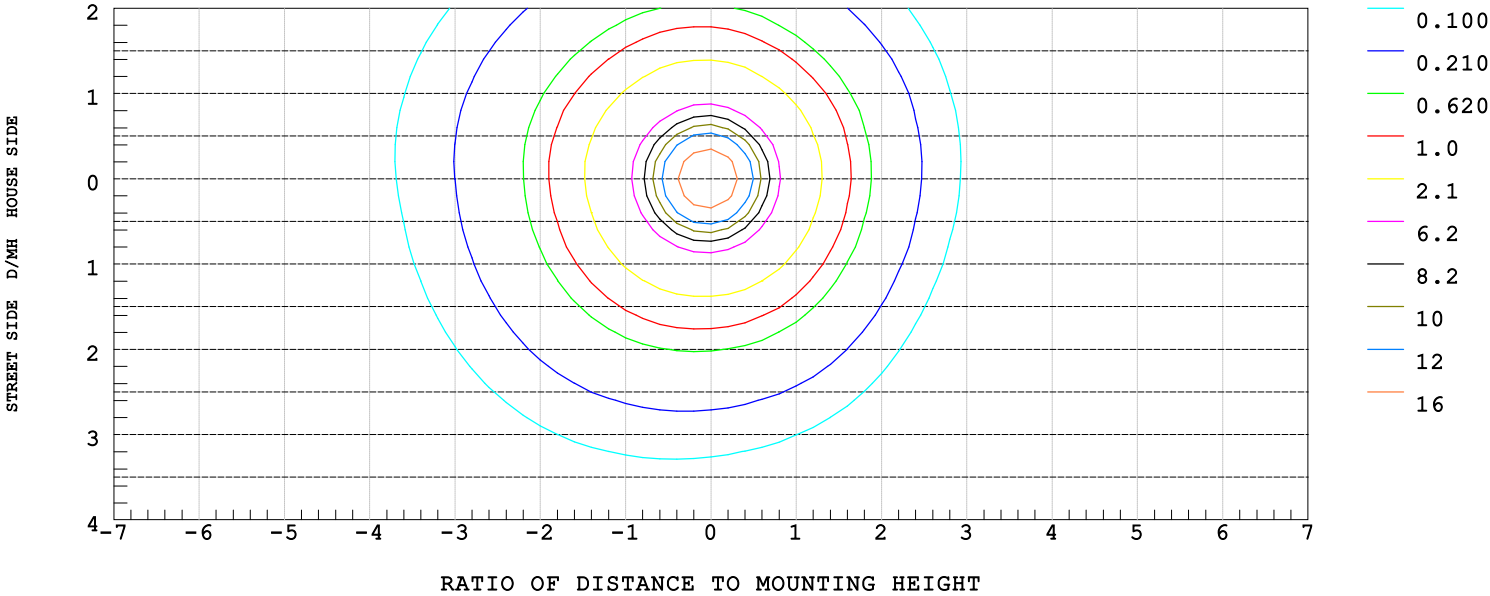
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 20.60 lx



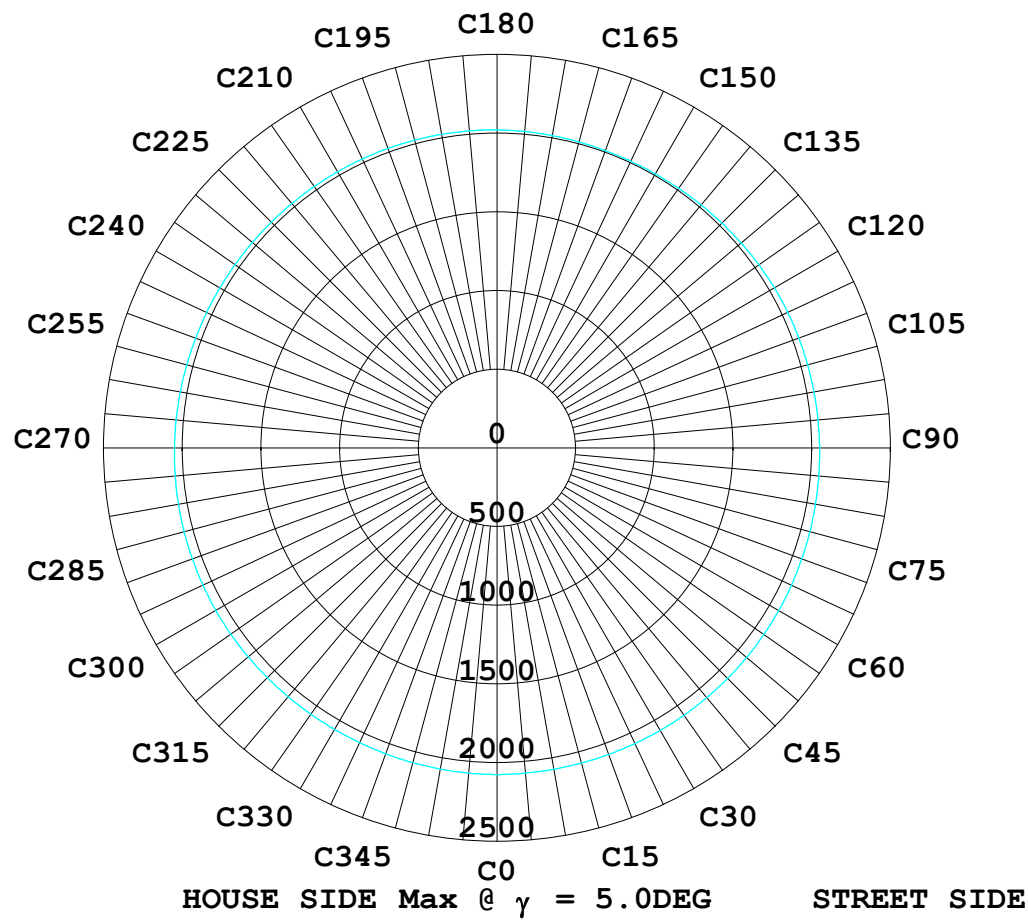
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 H-95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-700 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	2060	2061	2062	2061	2060	2049	2060	2061	2062	2061	2060	2049
5.0	2075	2073	2067	2049	2035	2010	2021	2027	2034	2050	2064	2065
10.0	2070	2064	2047	2014	1988	1950	1961	1972	1987	2018	2042	2057
15.0	2038	2026	2003	1957	1922	1877	1886	1903	1922	1964	1998	2028
20.0	1988	1973	1942	1886	1843	1788	1794	1815	1839	1893	1937	1976
25.0	1918	1897	1865	1797	1746	1683	1690	1714	1743	1809	1857	1909
30.0	1830	1806	1768	1692	1634	1564	1570	1599	1633	1707	1762	1820
35.0	1732	1704	1660	1575	1514	1436	1440	1471	1508	1591	1653	1720
40.0	1616	1584	1540	1445	1379	1294	1303	1336	1375	1469	1532	1608
45.0	1490	1453	1406	1303	1231	1142	1150	1188	1230	1329	1401	1482
50.0	1355	1315	1264	1154	1080	986	990	1031	1073	1180	1256	1345
55.0	1206	1162	1110	994	918	821	828	871	915	1028	1104	1199
60.0	1048	1001	947	830	751	652	656	703	748	865	944	1041
65.0	888	839	785	662	586	488	488	535	578	697	778	879
70.0	719	668	614	493	419	326	327	374	416	534	611	714
75.0	549	498	446	329	262	173	173	220	284	370	445	545
80.0	388	338	291	180	126	59.1	51.8	84.1	115	218	286	380
85.0	233	182	145	62.2	41.2	14.5	7.04	20.7	23.8	86.7	141	230
90.0	92.6	63.4	45.5	15.1	22.0	17.4	11.0	12.7	6.46	16.9	33.1	87.7

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

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