

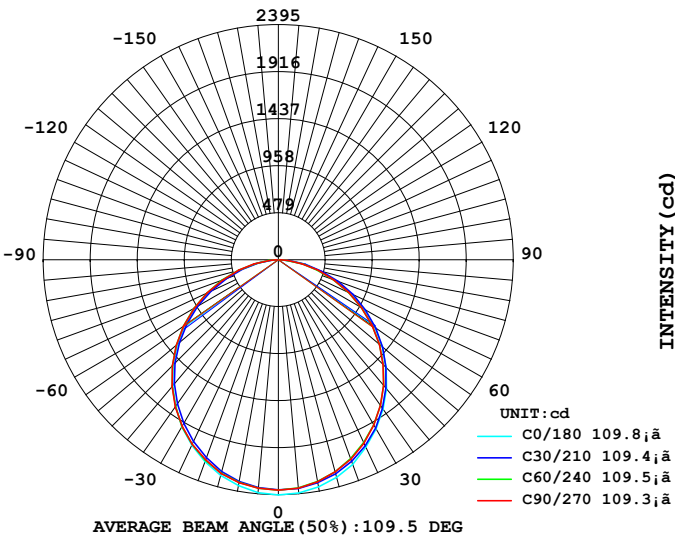
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

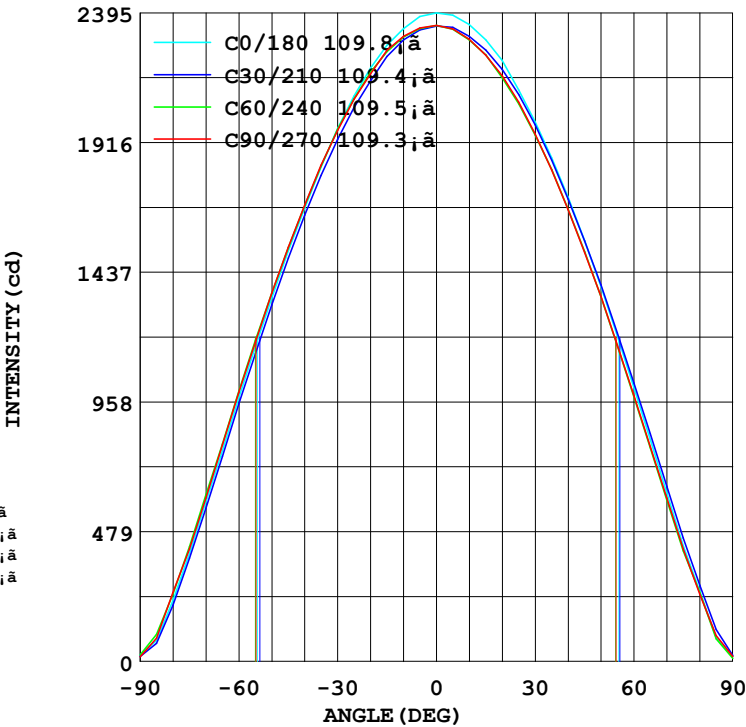
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	2395	S/MH (C0/180)	1.23
MODEL	DISC DEEP	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
NOMINAL POWER (W)	70	TOTAL FLUX (lm)	6540.0	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	92.6	Current (A)	0.316
NOMINAL FLUX (lm)	6540.0	η up (%)	0.0	Power (W)	70.59
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.990
TEST VOLTAGE (V)	219.6	Effictive Flux(lm)	6417.7	EEI	0.150

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

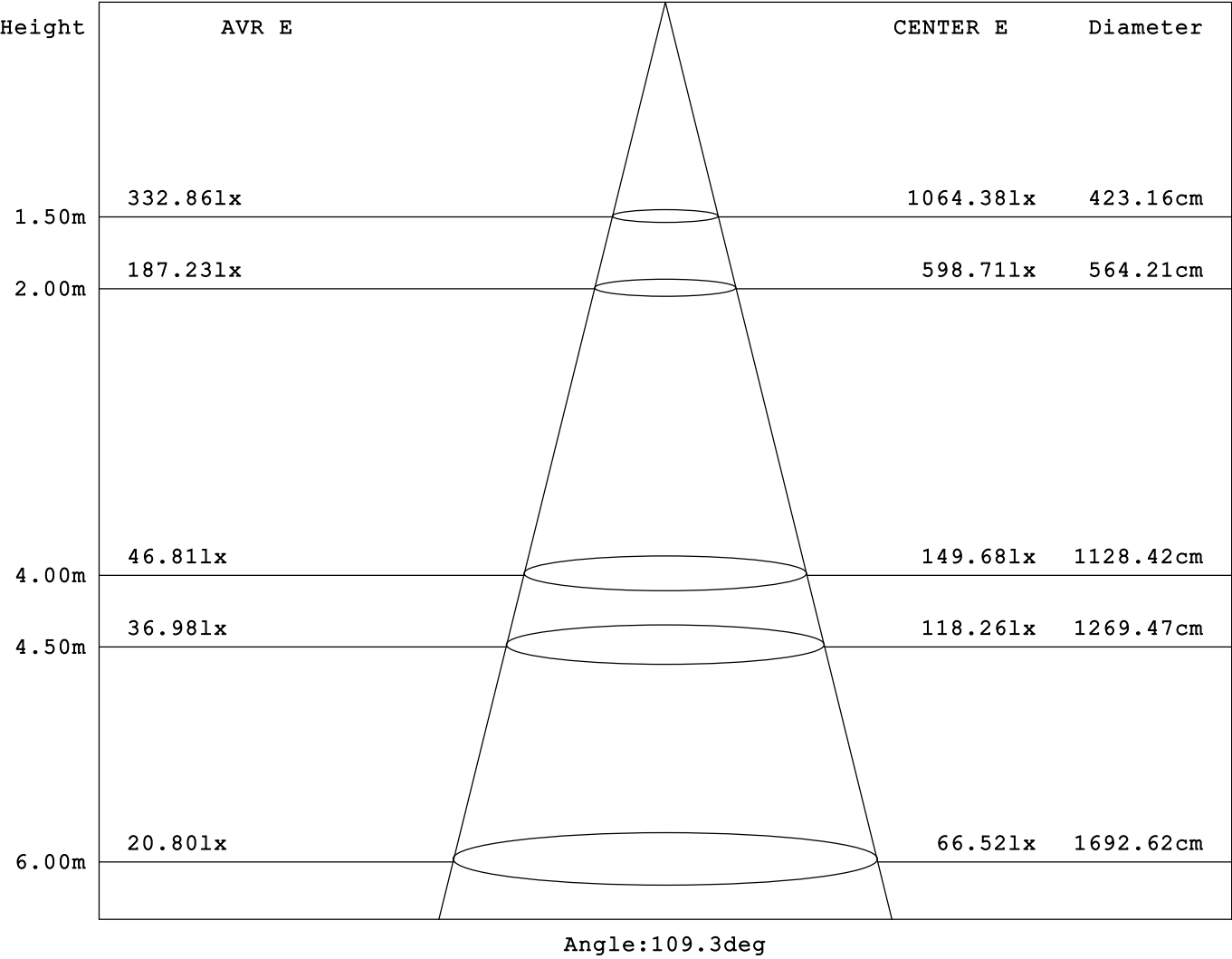
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 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: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	2336	2300	2307	2311	2352	2302	2298	2301	0- 10	222.7	222.7
20.0	2191	2160	2170	2189	2219	2171	2163	2161	10- 20	635.7	858.4
30.0	1968	1947	1961	1968	1993	1963	1948	1947	20- 30	956.3	1815
40.0	1673	1665	1684	1691	1714	1689	1668	1668	30- 40	1143	2957
50.0	1342	1338	1359	1367	1384	1368	1347	1343	40- 50	1175	4132
60.0	973.1	973.1	992.5	1003	1011	1002	980.8	974.8	50- 60	1051	5183
70.0	587.7	588.8	602.5	616.5	620.3	620.2	601.5	594.3	60- 70	789.3	5973
80.0	223.8	226.6	253.9	260.8	257.6	266.9	247.1	255.1	70- 80	445.1	6418
90.0	24.46	21.09	16.98	20.61	18.73	16.14	18.05	16.05	80- 90	122.2	6540
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:06-30-2025

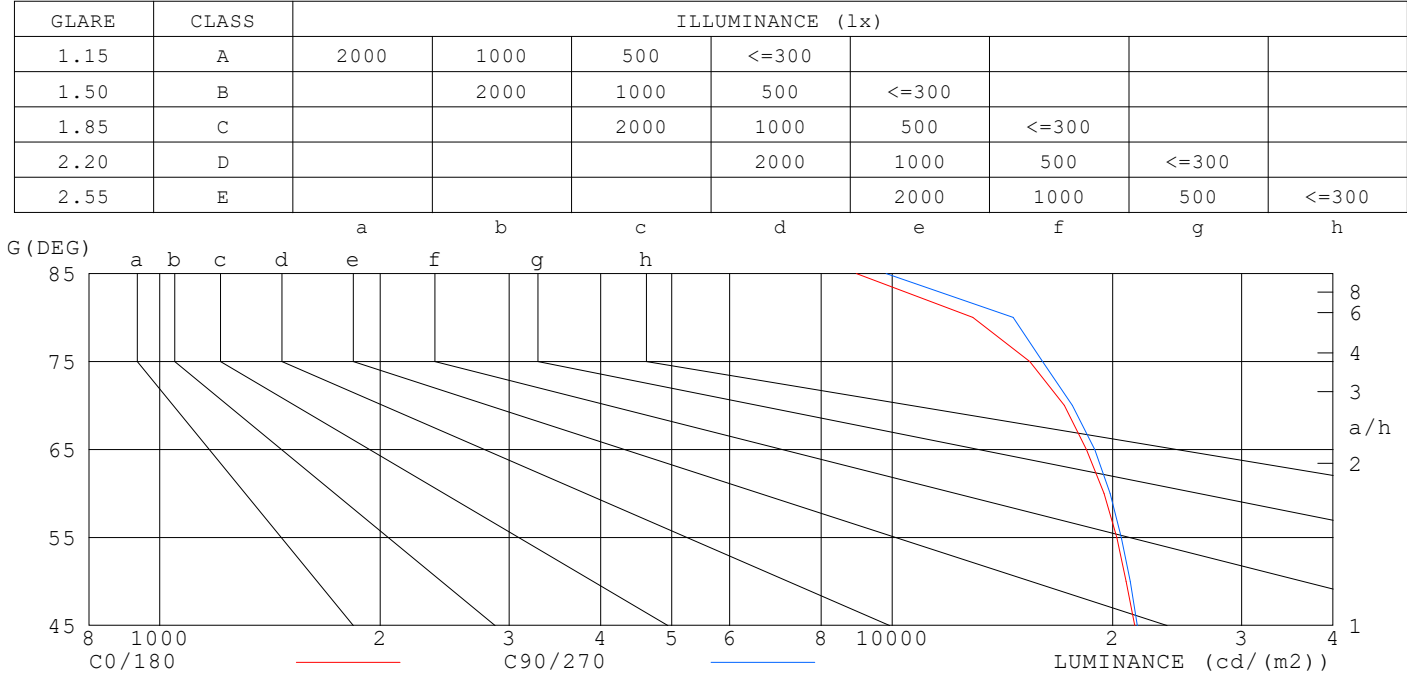
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	8939	9810
80	12889	14625
75	15418	16044
70	17185	17617
65	18416	18912
60	19462	19852
55	20267	20555
50	20876	21148
45	21443	21625

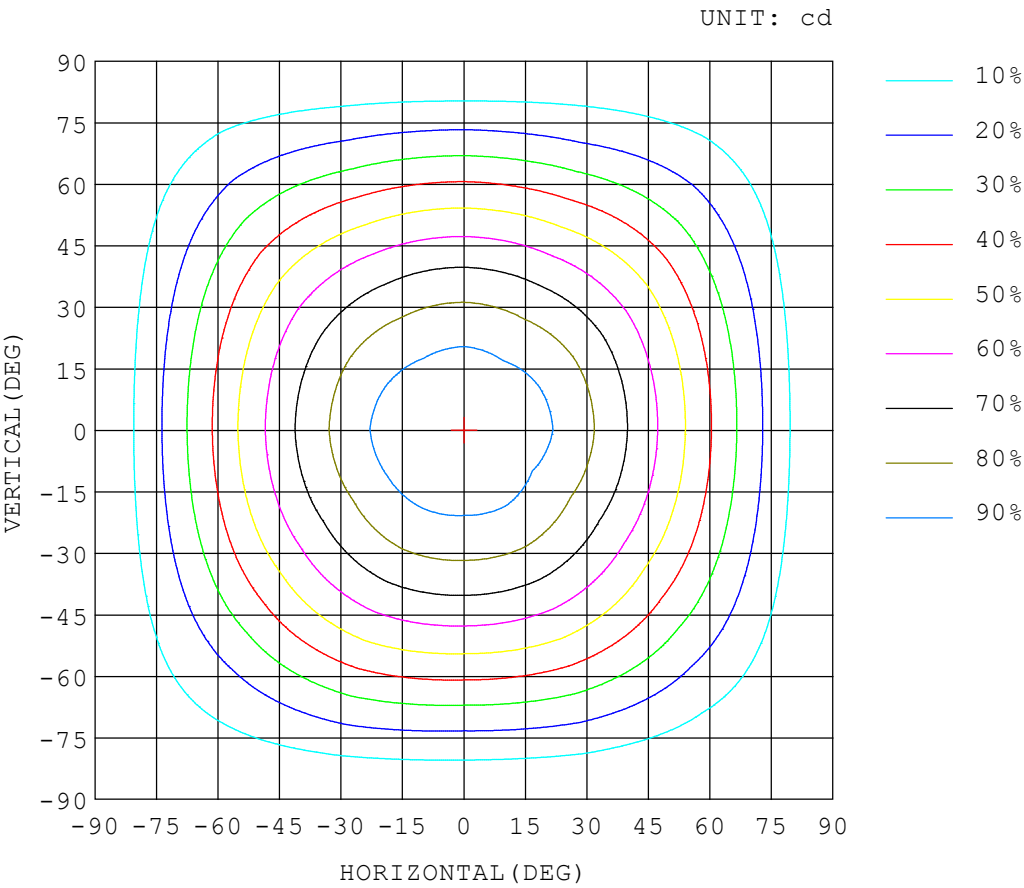
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:



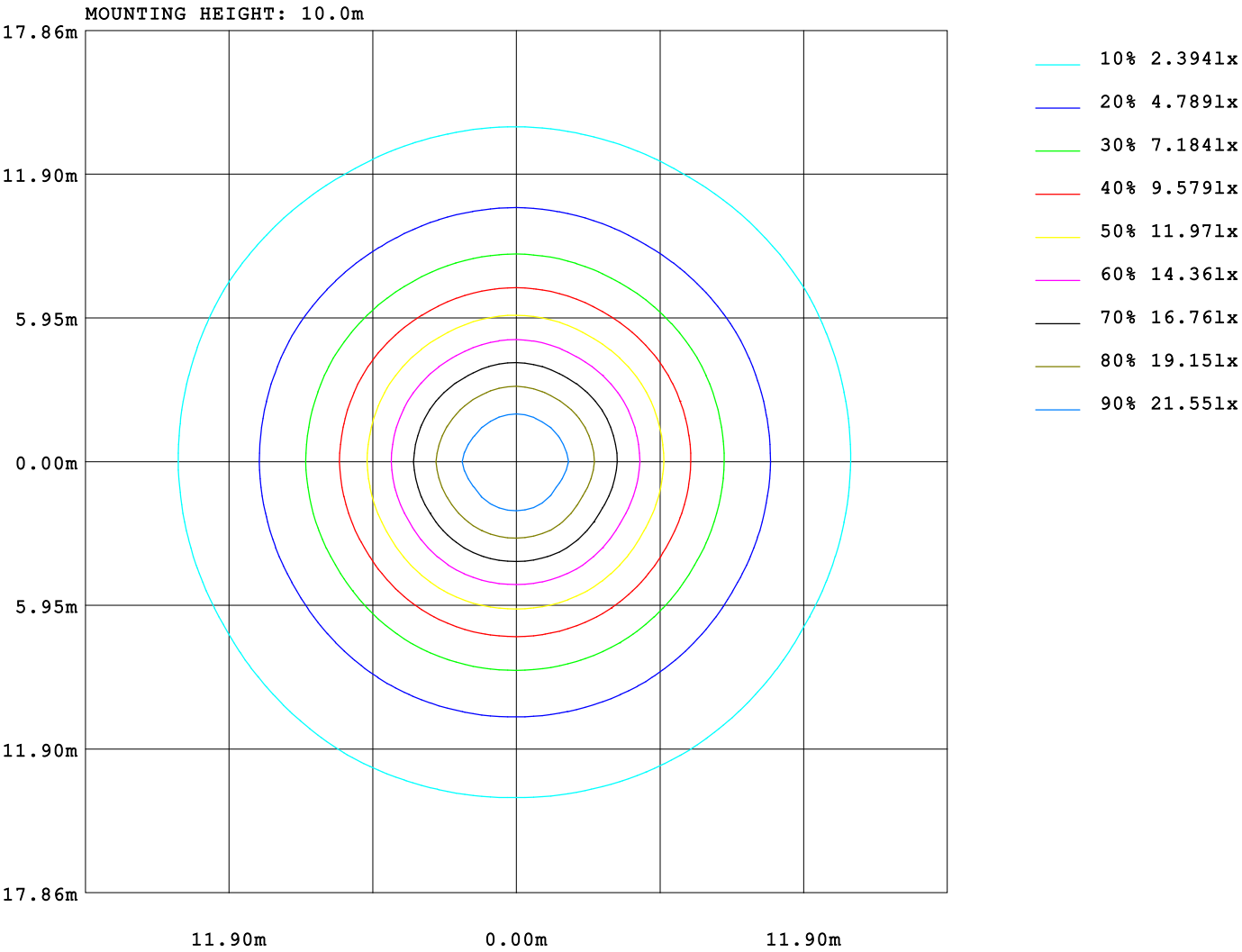
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: DISC DEEP RECESSED										TYPE: 4000K CRI-90					WEIGHT:				
SPECIFICATION:										DIMENSION: D-900 H-85 MM					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
	0.07	0.33	0.78	1.28	1.74	2.16	2.63	3.11	3.40	3.38	3.06	2.54	2.02	1.56	1.11	0.69	0.32	0.08	30.3	0.00						
90																										
80																			110	95.2						
70																			206	202						
60																			305	302						
50																			397	395						
40																			477	476						
30																			542	541						
																			588	587						
																			614	613						
																			612	612						
																			586	585						
-30																			540	539						
-40																			476	475						
-50																			398	396						
-60																			306	304						
-70																			207	203						
-80																			110	94.8						
-90																			30.8	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	4.50	37.9	113	224	356	491	614	706	753	751	699	604	480	344	214	106	34.5	4.03	6540							
Φ a	0.13	30.8	107	218	349	485	608	699	746	744	693	598	474	338	207	99.2	26.1	0.00				6418				

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 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: DISC DEEP RECESSED

TYPE: 4000K CRI-90

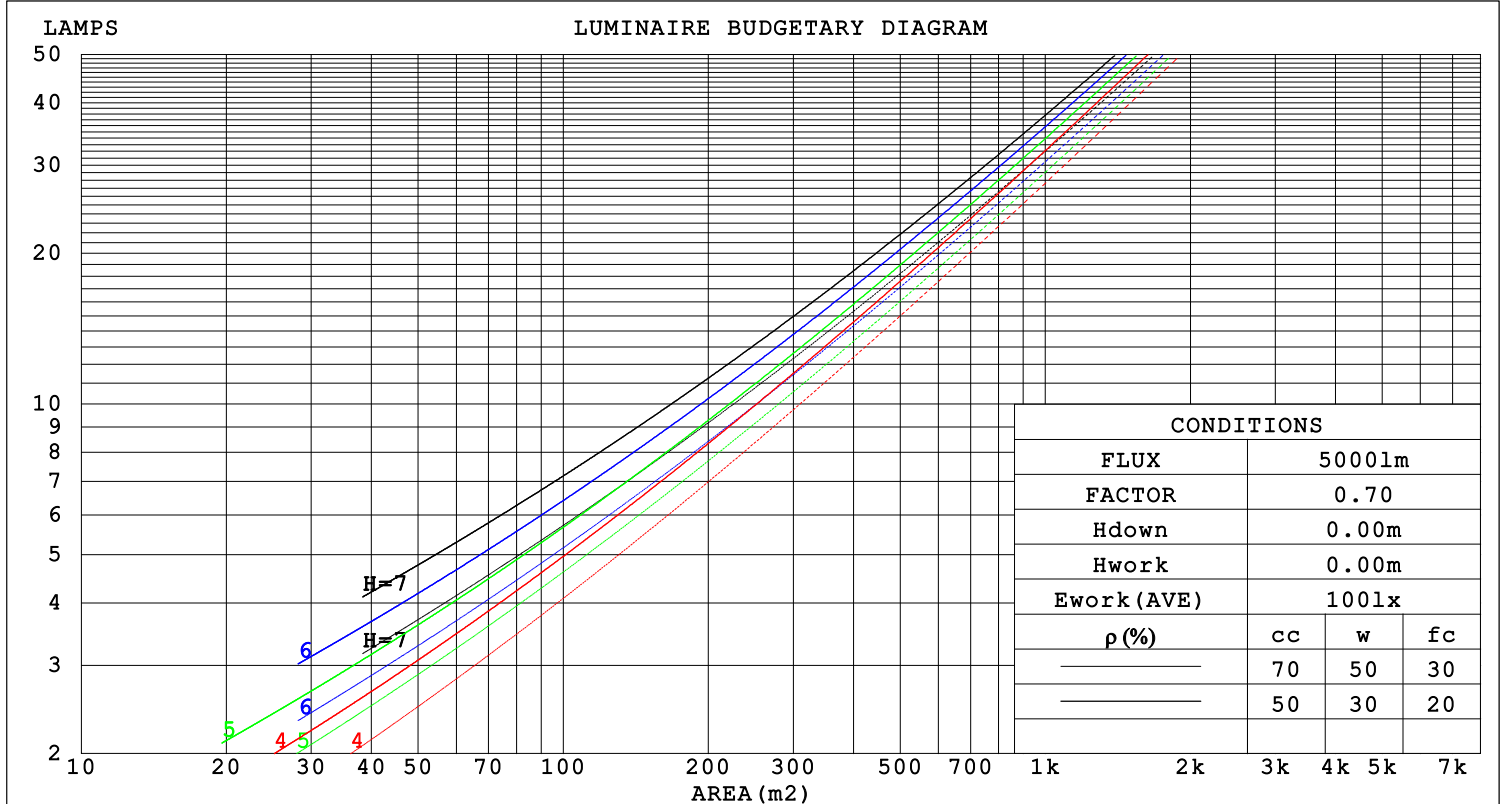
WEIGHT:

SPECIFICATION:

DIMENSION: D-900 H-85 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:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: DISC DEEP RECESSED								TYPE: 4000K CRI-90			WEIGHT:			
SPECIFICATION:								DIMENSION: D-900 H-85 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	.308	.175	.055	.301	.171	.054	.287	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.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	.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	.086	.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:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: DISC DEEP RECESSED					TYPE: 4000K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-900 H-85 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	23.2	24.7	23.4	24.9	25.1	23.4	24.9	23.6	25.1	25.3
	3H	24.6	26.0	24.9	26.2	26.4	24.8	26.2	25.1	26.4	26.7
	4H	25.1	26.4	25.4	26.7	26.9	25.4	26.7	25.7	26.9	27.2
	6H	25.4	26.6	25.7	26.9	27.2	25.7	27.0	26.1	27.3	27.5
	8H	25.4	26.6	25.7	26.9	27.2	25.8	27.0	26.1	27.3	27.6
	12H	25.4	26.6	25.8	26.9	27.2	25.8	27.0	26.1	27.2	27.6
4H	2H	23.8	25.1	24.1	25.3	25.6	23.9	25.3	24.2	25.5	25.8
	3H	25.3	26.5	25.7	26.8	27.1	25.6	26.7	25.9	27.0	27.3
	4H	25.9	27.0	26.3	27.3	27.7	26.2	27.3	26.6	27.6	28.0
	6H	26.3	27.3	26.7	27.6	28.0	26.7	27.7	27.1	28.0	28.4
	8H	26.4	27.2	26.8	27.6	28.0	26.8	27.7	27.2	28.0	28.4
	12H	26.4	27.2	26.8	27.6	28.0	26.8	27.6	27.3	28.0	28.4
8H	4H	26.2	27.0	26.6	27.4	27.8	26.4	27.3	26.9	27.7	28.1
	6H	26.6	27.4	27.1	27.8	28.2	27.0	27.8	27.5	28.2	28.6
	8H	26.7	27.3	27.2	27.8	28.2	27.2	27.8	27.6	28.2	28.7
	12H	26.8	27.3	27.2	27.8	28.3	27.3	27.8	27.7	28.3	28.7
12H	4H	26.2	27.0	26.6	27.4	27.8	26.4	27.2	26.9	27.6	28.0
	6H	26.6	27.3	27.1	27.7	28.2	27.0	27.7	27.5	28.1	28.6
	8H	26.7	27.3	27.2	27.7	28.2	27.2	27.8	27.7	28.2	28.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 6540 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.5)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 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		

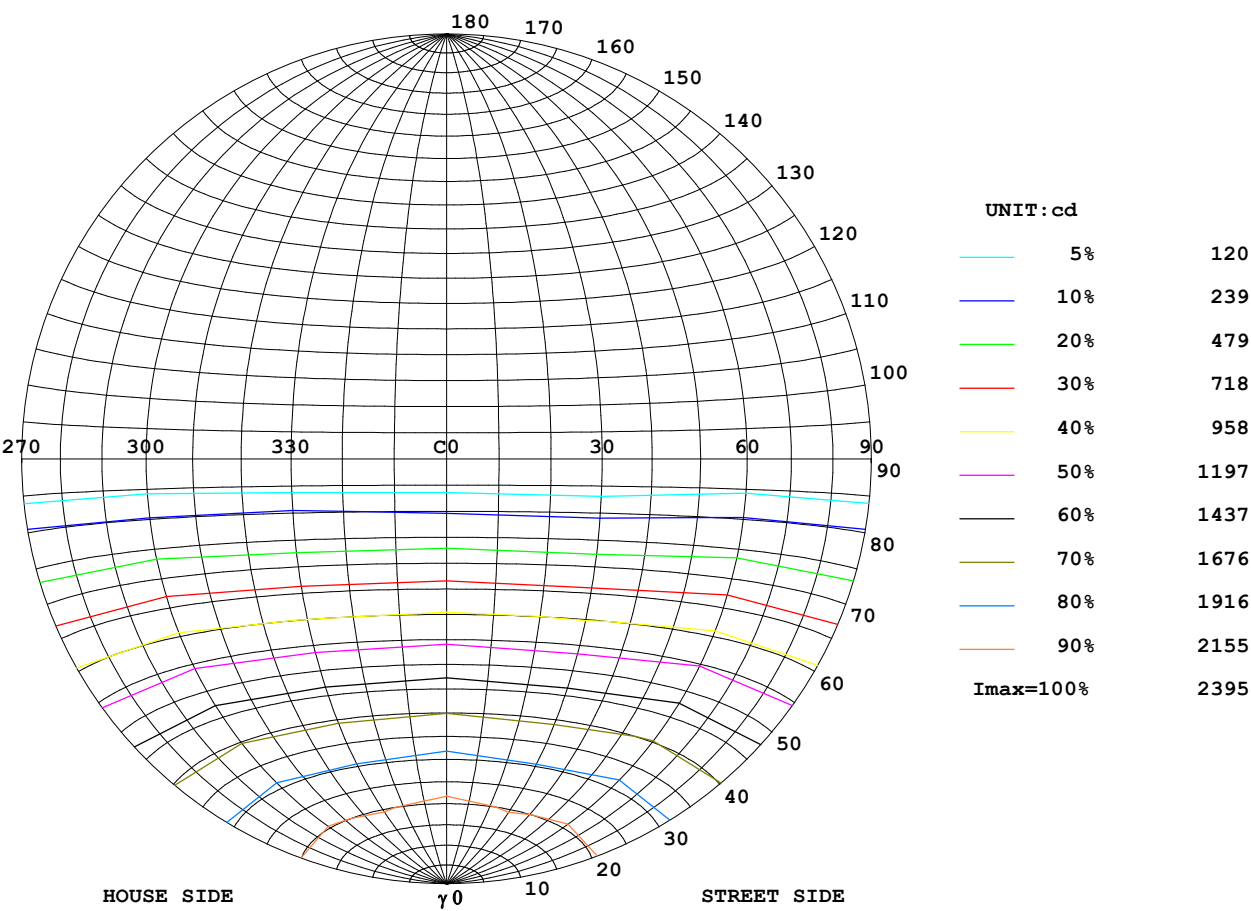
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 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-30-2025

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

Report number:

MANUFACTURER: DIVINITY LIGHTS		
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NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

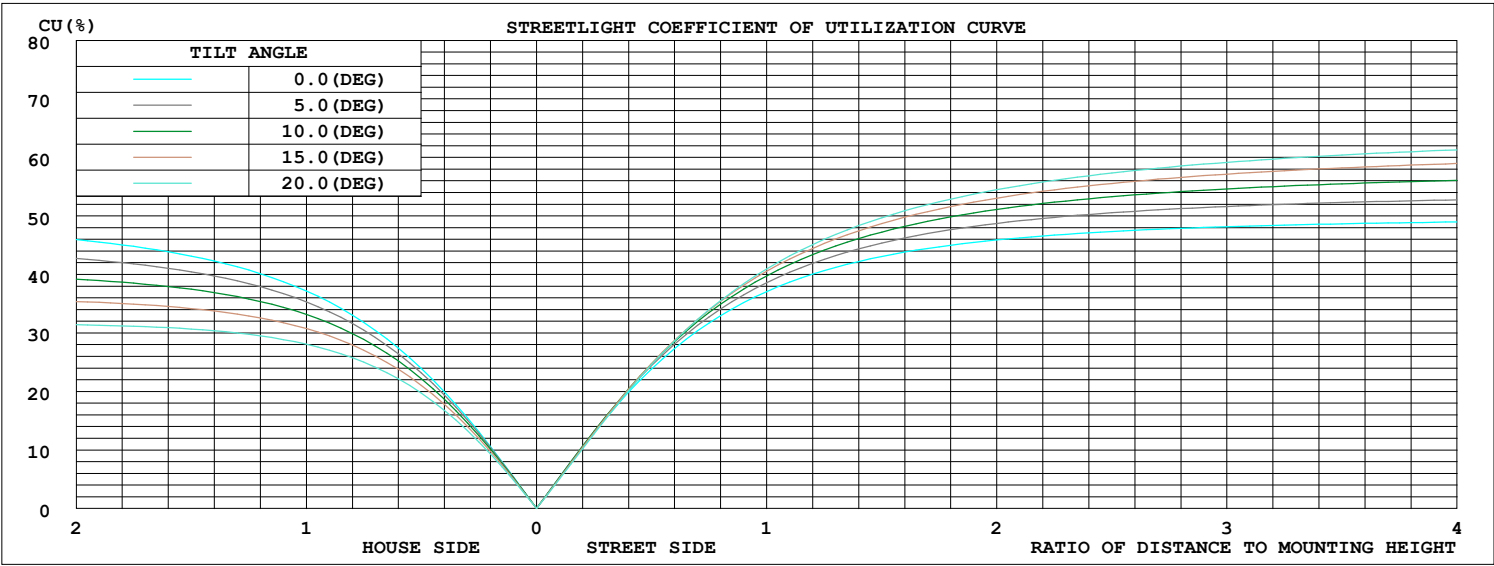
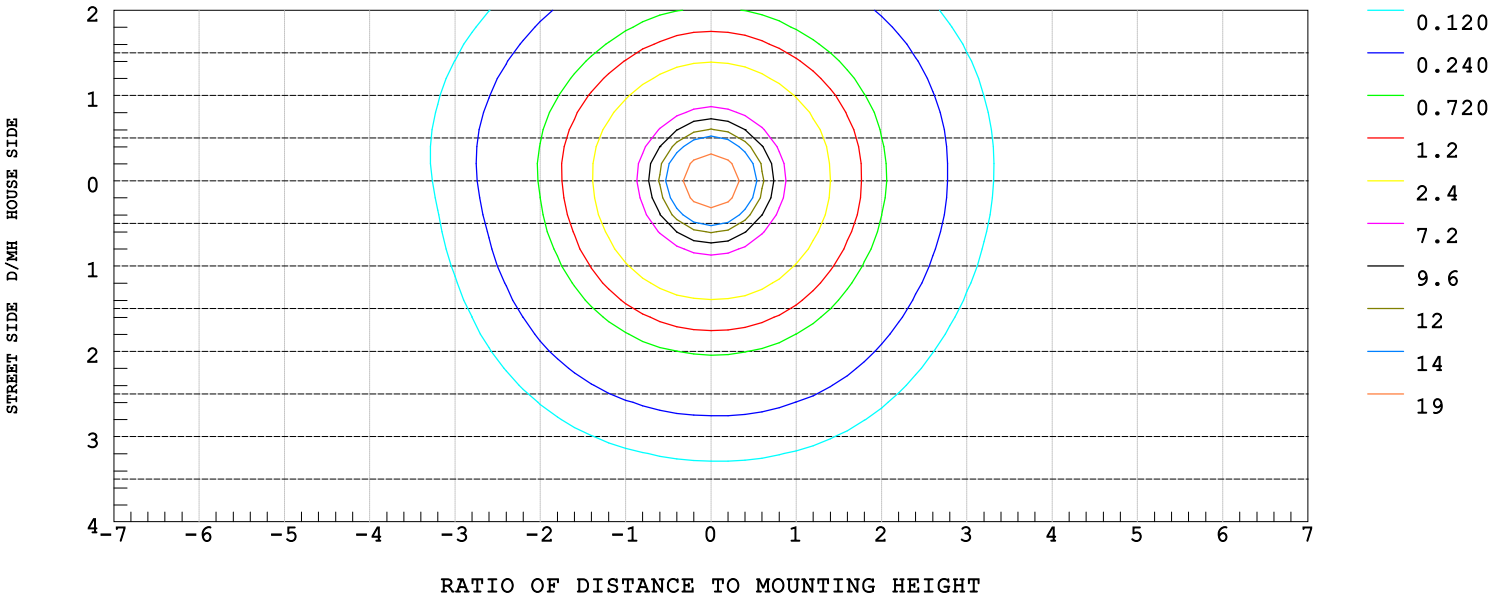
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 23.95 lx



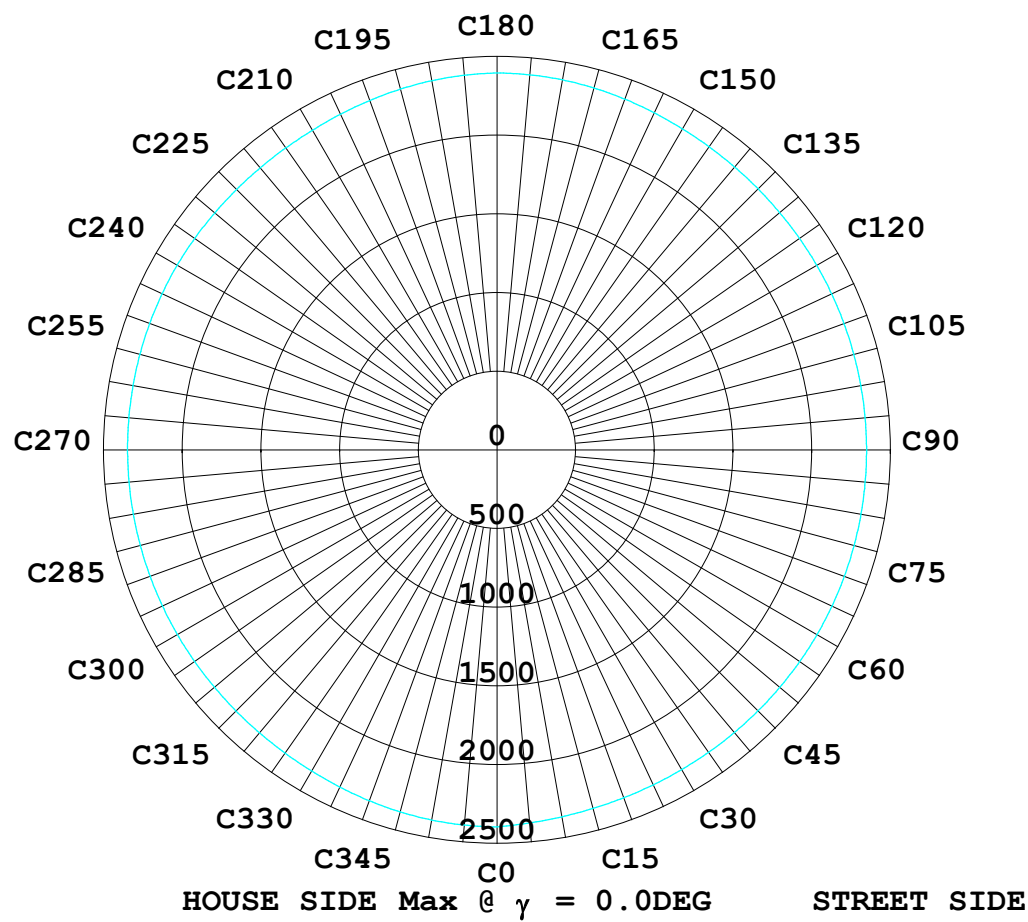
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Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/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 DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-30-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 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 DEEP RECESSED	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-900 H-85 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2395	2346	2348	2348	2346	2356	2395	2346	2348	2348	2346	2356
5.0	2382	2332	2337	2338	2340	2343	2385	2341	2334	2336	2335	2345
10.0	2336	2296	2305	2307	2310	2311	2352	2308	2296	2298	2294	2308
15.0	2275	2233	2251	2256	2258	2254	2295	2257	2240	2238	2231	2253
20.0	2191	2144	2176	2170	2183	2195	2219	2187	2156	2163	2145	2176
25.0	2087	2045	2077	2075	2089	2074	2110	2093	2058	2064	2046	2078
30.0	1968	1928	1966	1961	1977	1960	1993	1982	1945	1948	1930	1963
35.0	1825	1794	1828	1831	1845	1826	1859	1851	1816	1814	1801	1827
40.0	1673	1647	1683	1684	1702	1680	1714	1708	1670	1668	1654	1682
45.0	1516	1490	1529	1529	1548	1524	1553	1552	1513	1510	1493	1524
50.0	1342	1316	1359	1359	1381	1354	1384	1390	1346	1347	1327	1360
55.0	1162	1136	1185	1179	1205	1172	1202	1212	1166	1168	1145	1181
60.0	973	950	996	993	1019	987	1011	1027	977	981	956	994
65.0	778	757	803	799	827	793	819	840	789	793	769	805
70.0	588	564	614	603	636	598	620	646	595	602	576	612
75.0	399	381	424	415	444	411	427	456	408	415	391	426
80.0	224	206	248	254	264	258	258	280	254	247	255	255
85.0	77.9	66.7	99.5	85.5	110	80.7	88.4	118	83.8	95.4	76.2	99.3
90.0	24.4	17.7	24.4	16.9	24.1	17.1	18.7	21.3	10.9	18.0	11.0	21.0

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