

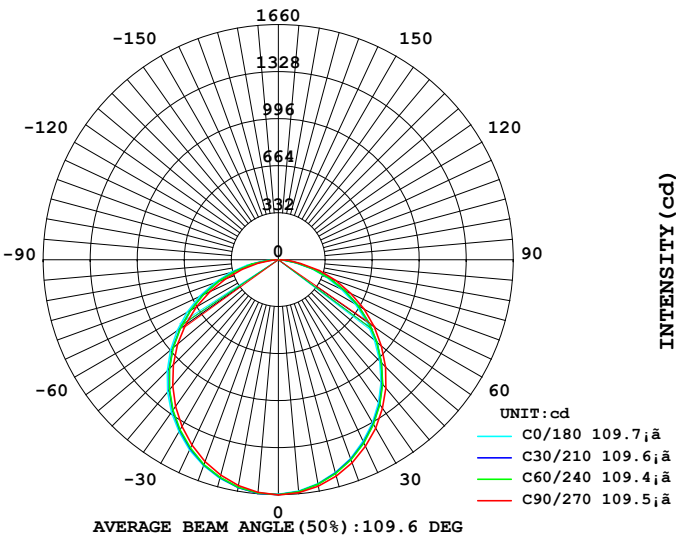
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

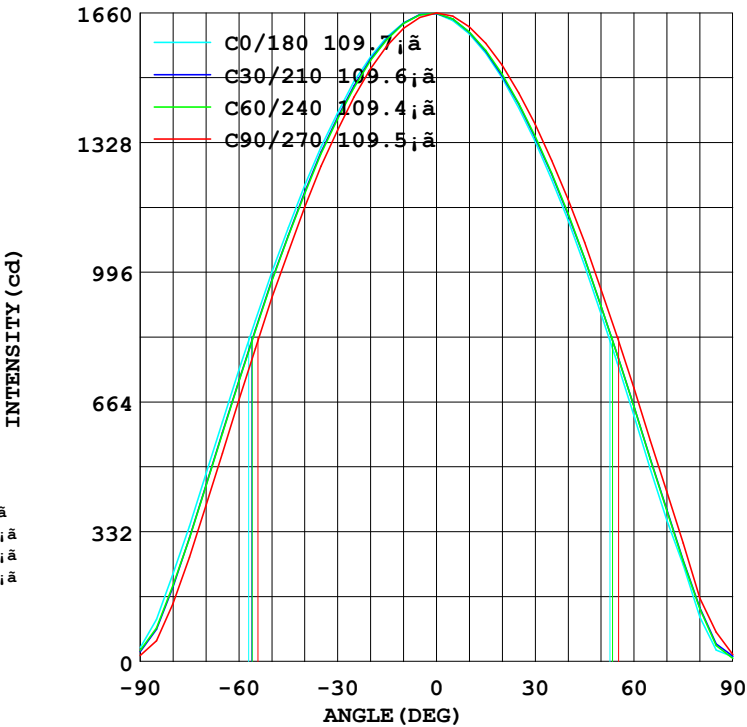
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1660	S/MH (C0/180)	1.26
MODEL	DISC BACKLIT	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER (W)	50	TOTAL FLUX (lm)	4551.7	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	90.1	Current (A)	0.234
NOMINAL FLUX (lm)	4551.8	η up (%)	0.0	Power (W)	50.50
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.984
TEST VOLTAGE (V)	219.7	Effictive Flux (lm)	4466.5	EEI	0.154

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:7.500 m
Remarks: 3000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:

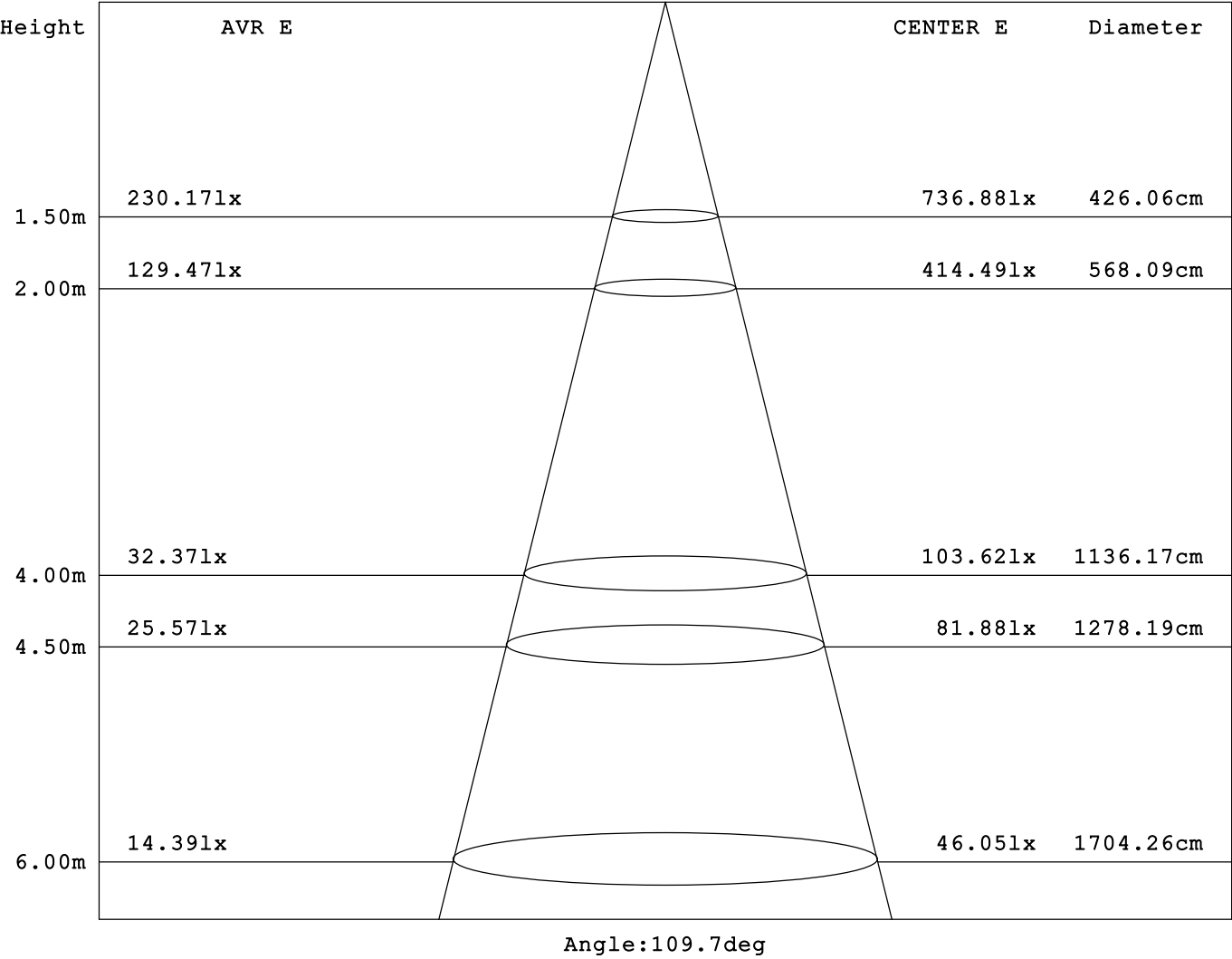
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

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: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 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:7.500 m
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1635	1633	1620	1605	1607	1611	1625	1637	0- 10	156.5	156.5
20.0	1548	1540	1517	1493	1493	1502	1526	1546	10- 20	445.1	601.6
30.0	1404	1390	1360	1329	1331	1343	1375	1406	20- 30	667.9	1270
40.0	1219	1199	1163	1126	1130	1145	1183	1217	30- 40	797.2	2067
50.0	995.9	974.0	929.7	889.2	889.8	909.4	952.1	991.9	40- 50	818.0	2885
60.0	745.1	716.3	667.9	627.5	629.0	653.0	699.9	741.4	50- 60	729.1	3614
70.0	478.6	448.2	397.7	360.4	361.0	386.4	434.0	474.4	60- 70	545.7	4160
80.0	223.4	191.7	146.8	119.6	113.0	136.0	161.9	213.5	70- 80	305.2	4465
90.0	34.48	26.71	15.18	18.56	11.70	10.74	17.49	26.07	80- 90	86.60	4552
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

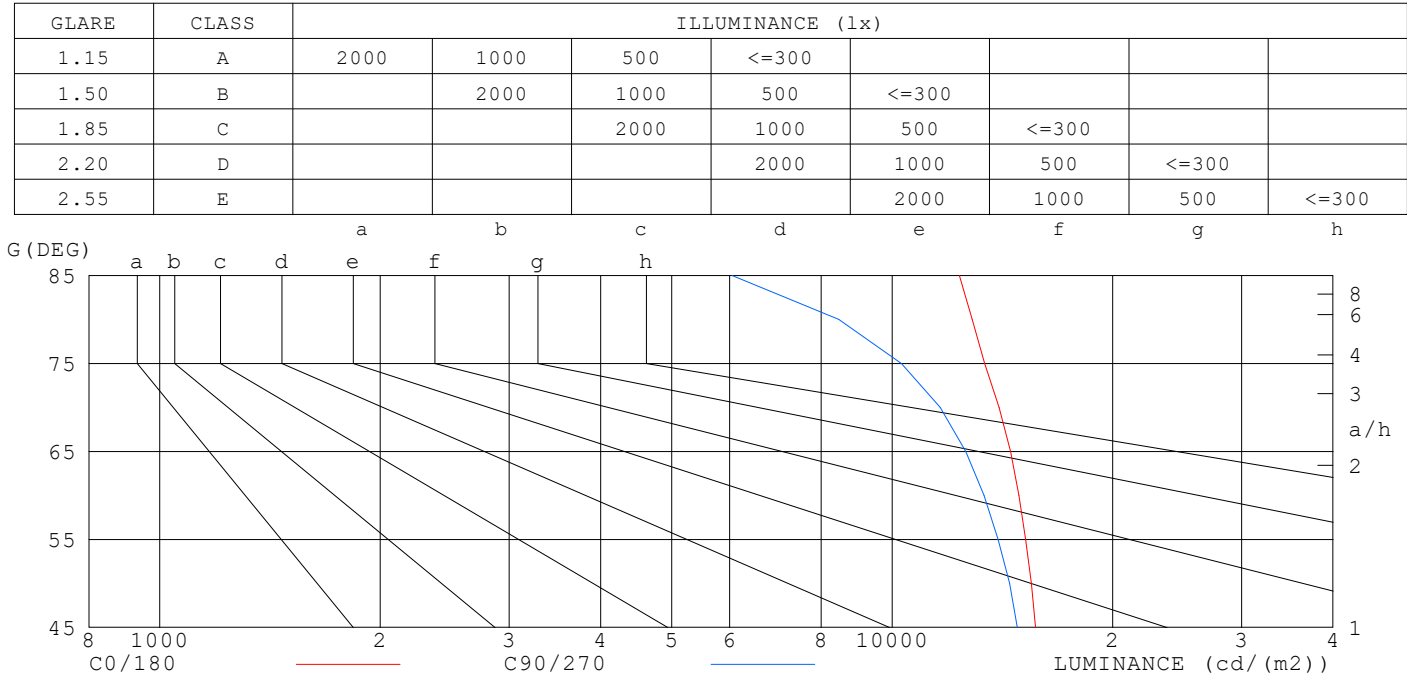
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	12353	6047
80	12870	8455
75	13379	10297
70	13994	11629
65	14512	12611
60	14903	13358
55	15214	13963
50	15494	14464
45	15705	14822

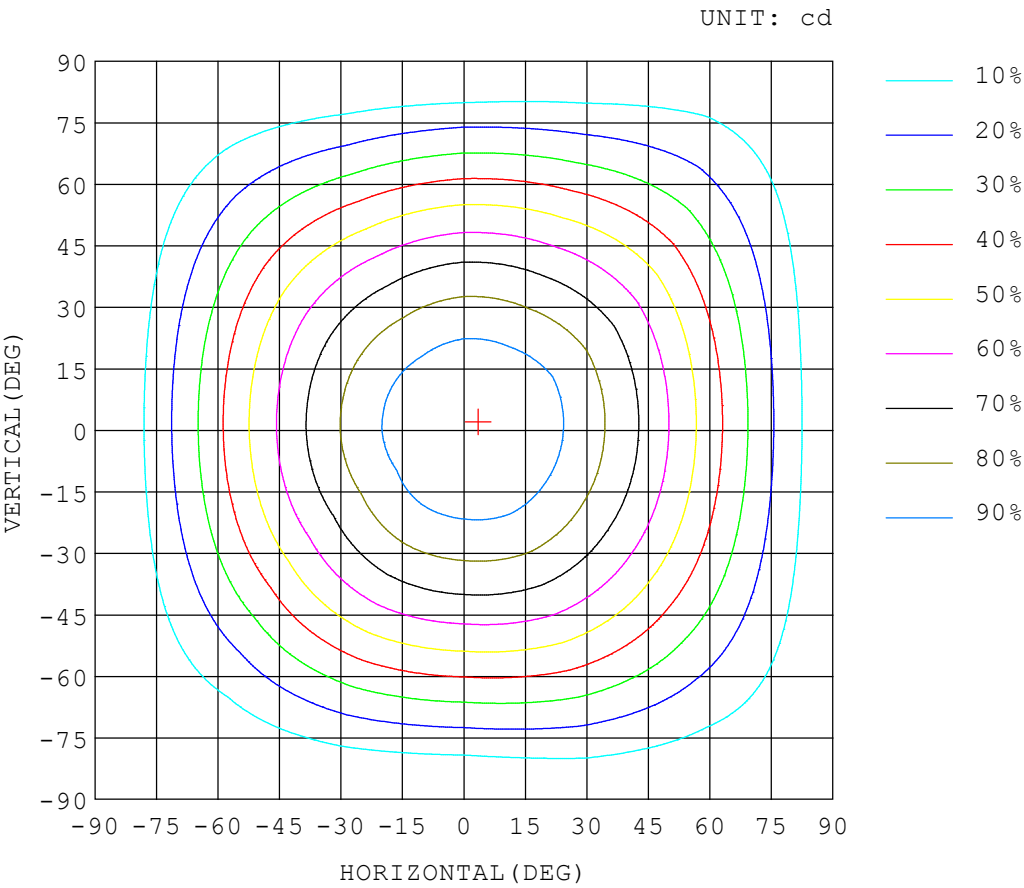
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:



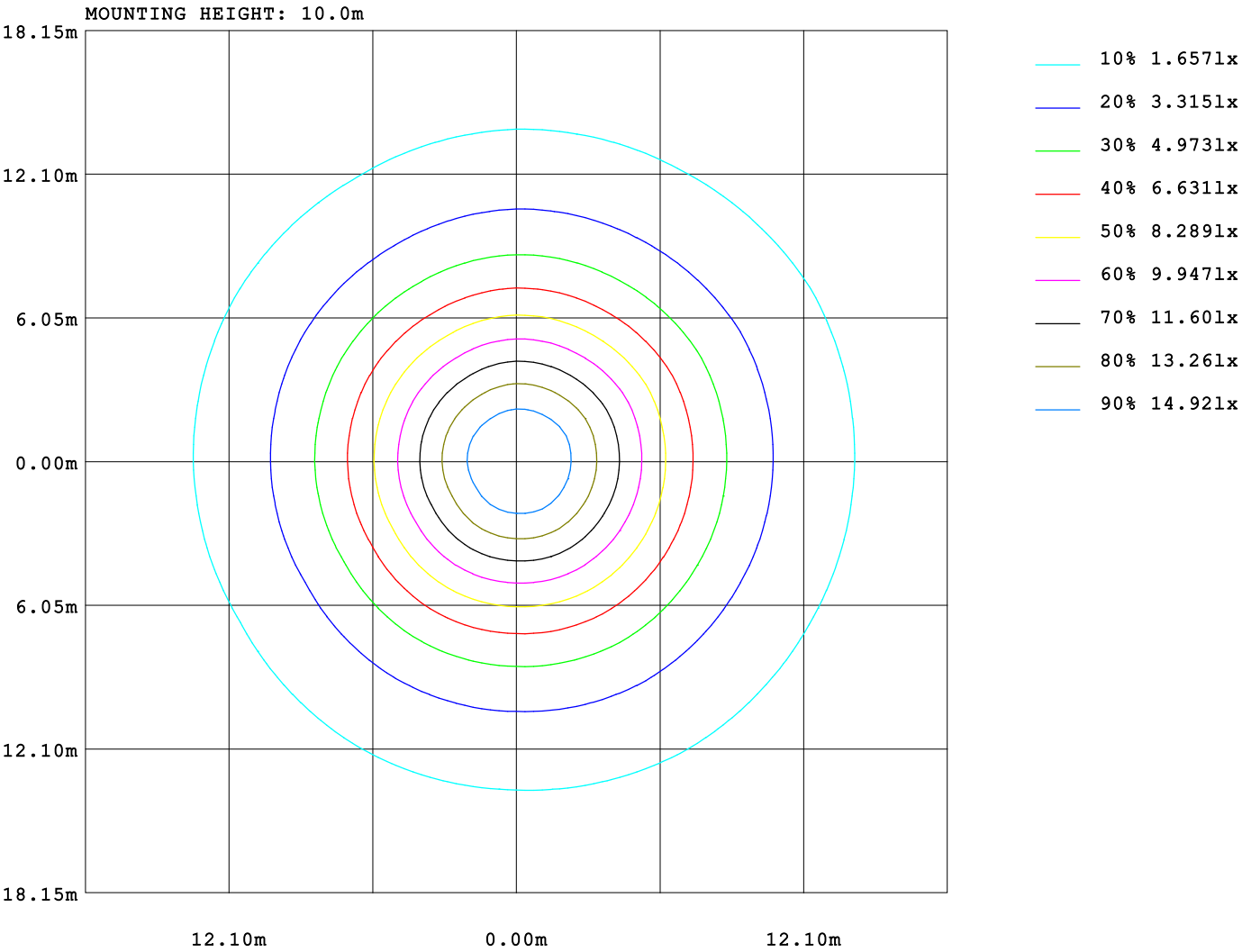
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 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:7.500 m
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: DISC BACKLIT										TYPE: 3000K CRI-90					WEIGHT:					
SPECIFICATION:										DIMENSION: D-600 H-95 MM					SERIAL No.:					

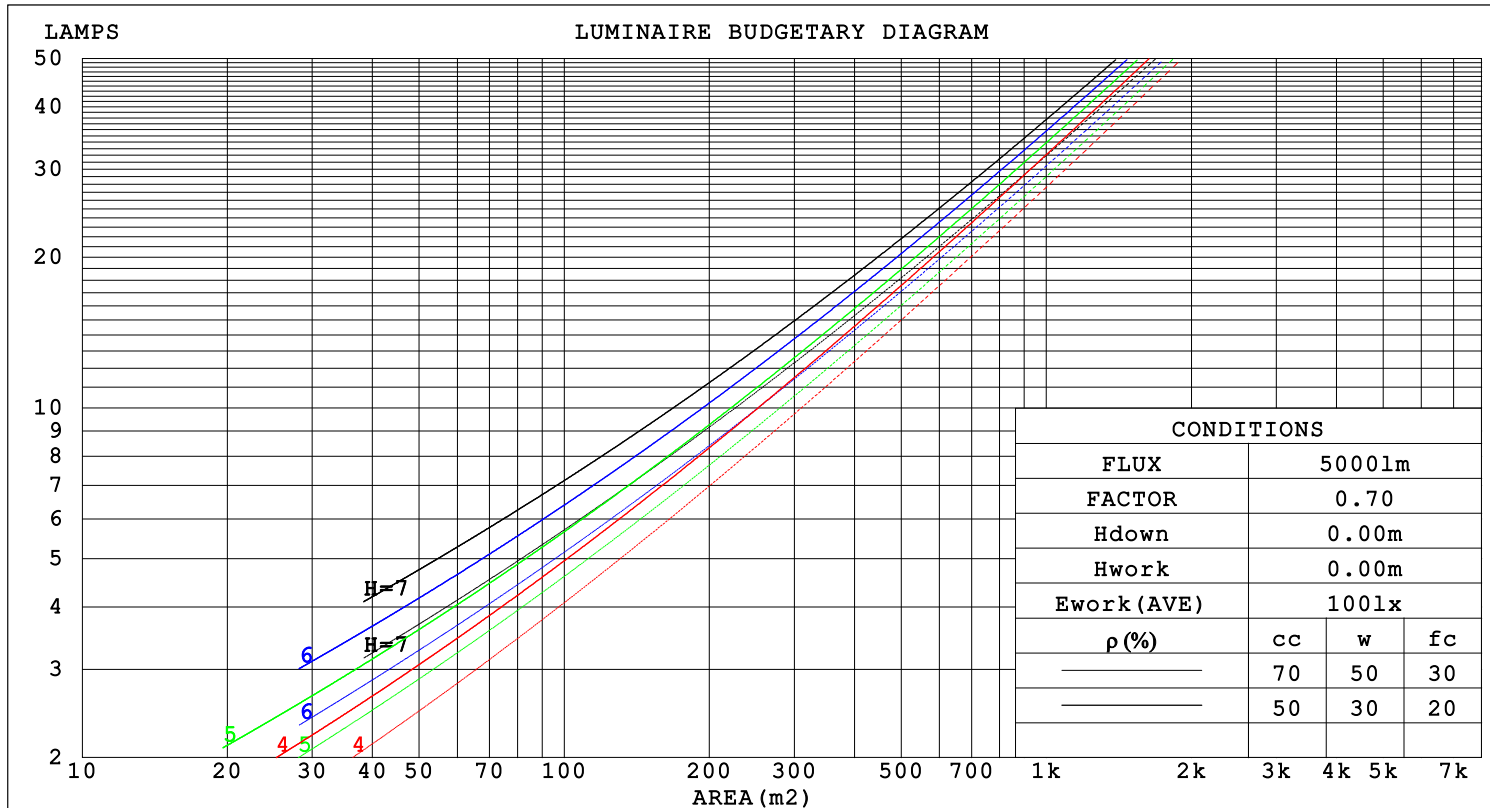
VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm			Φ t	Φ a
	0.04	0.15	0.33	0.55	0.79	1.06	1.45	1.94	2.34	2.53	2.49	2.29	2.05	1.78	1.40	0.91	0.44	0.11	22.7	0.00			
90																							
80																							
70																							
60																							
50																							
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:7.500 m
Remarks: 3000K

Report number:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84														
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70														
3.0	.80	.72	.65	.78	.71	.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	.53	.50														
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.44														
6.0	.57	.48	.41	.56	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38														
7.0	.52	.43	.37	.51	.42	.37	.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	.37	.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	.27	.37	.31	.26	.37	.31	.26	.25														



Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: DISC BACKLIT							TYPE: 3000K CRI-90					WEIGHT:		
SPECIFICATION:							DIMENSION: D-600 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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.307	.175	.055	.300	.171	.054	.287	.165	.053	.275	.158	.051	.263	.153	.049	
2.0	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.251	.142	.045	
3.0	.268	.143	.043	.262	.140	.042	.252	.137	.042	.242	.133	.041	.234	.129	.040	
4.0	.247	.129	.038	.243	.127	.038	.233	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.216	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.212	.106	.030	.209	.105	.030	.201	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.078	.022	.156	.076	.021	.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
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	.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	.156	.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:7.500 m
 Remarks: 3000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: DISC BACKLIT					TYPE: 3000K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-600 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	22.4	24.0	22.7	24.2	24.4	22.2	23.7	22.4	23.9	24.1
	3H	24.0	25.4	24.3	25.6	25.9	23.5	24.9	23.8	25.2	25.4
	4H	24.7	26.0	25.0	26.2	26.5	24.0	25.4	24.4	25.6	25.9
	6H	25.2	26.4	25.5	26.7	27.0	24.3	25.6	24.7	25.9	26.1
	8H	25.3	26.5	25.6	26.8	27.1	24.4	25.6	24.7	25.8	26.1
	12H	25.4	26.6	25.7	26.8	27.2	24.4	25.5	24.7	25.8	26.1
4H	2H	23.0	24.4	23.3	24.6	24.9	22.8	24.1	23.1	24.4	24.7
	3H	24.8	25.9	25.1	26.2	26.5	24.4	25.6	24.8	25.9	26.2
	4H	25.5	26.6	25.9	26.9	27.2	25.0	26.1	25.4	26.4	26.8
	6H	26.1	27.1	26.5	27.4	27.8	25.5	26.4	25.8	26.7	27.1
	8H	26.3	27.2	26.7	27.5	27.9	25.5	26.4	25.9	26.8	27.1
	12H	26.5	27.3	26.9	27.6	28.1	25.5	26.4	26.0	26.7	27.1
8H	4H	25.8	26.6	26.2	27.0	27.4	25.3	26.2	25.8	26.6	27.0
	6H	26.5	27.2	26.9	27.6	28.0	25.9	26.6	26.3	27.0	27.4
	8H	26.7	27.4	27.2	27.8	28.2	26.0	26.7	26.5	27.1	27.5
	12H	26.9	27.5	27.4	27.9	28.4	26.1	26.7	26.6	27.1	27.6
12H	4H	25.8	26.6	26.2	27.0	27.4	25.4	26.2	25.8	26.5	26.9
	6H	26.5	27.2	27.0	27.6	28.0	25.9	26.6	26.4	27.0	27.5
	8H	26.8	27.3	27.3	27.8	28.3	26.1	26.7	26.6	27.1	27.6
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		+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 4552 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

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:7.500 m
Remarks: 3000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 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	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	58
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	91	85	97	90	85	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		

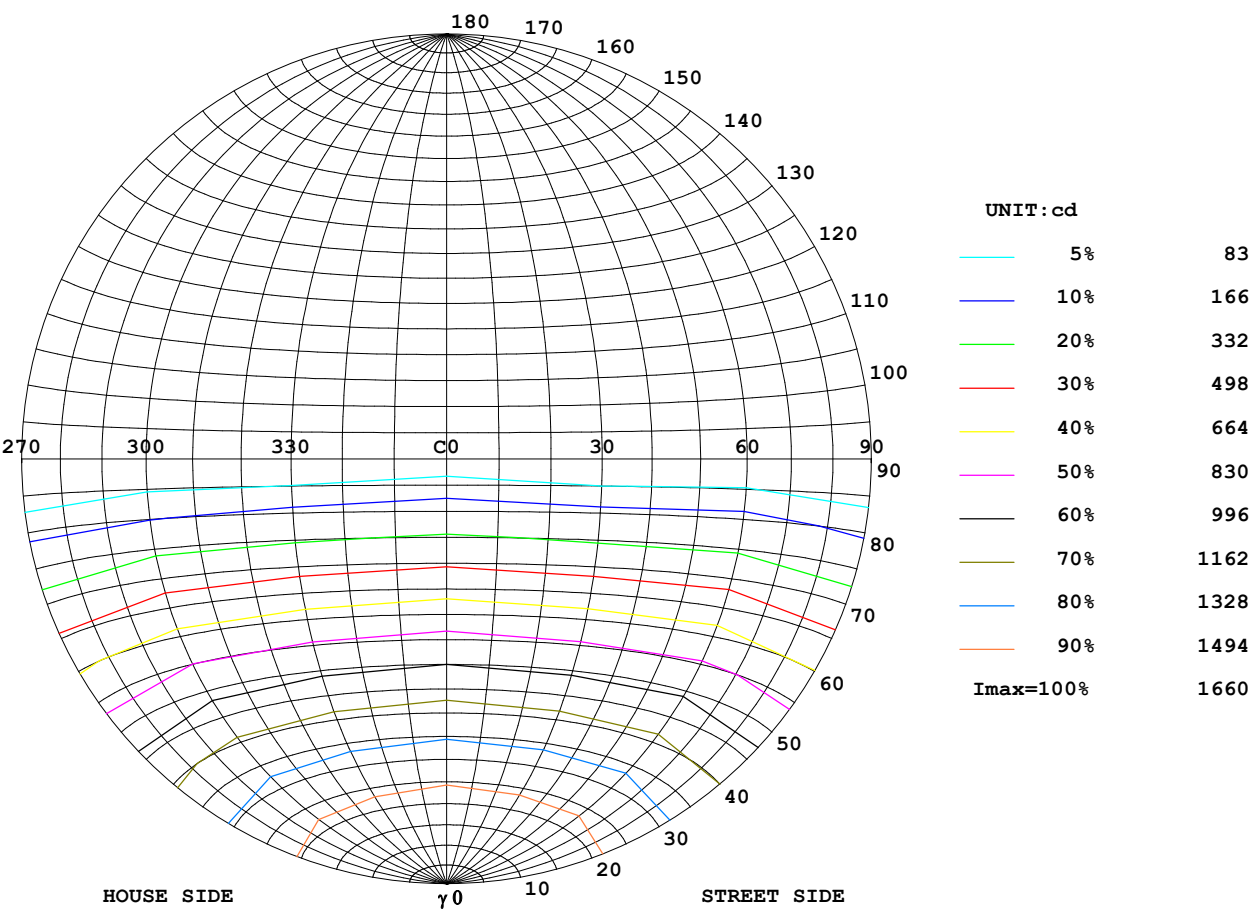
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 Operators:
 Test Date: 06-18-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 7.500 m
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:



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

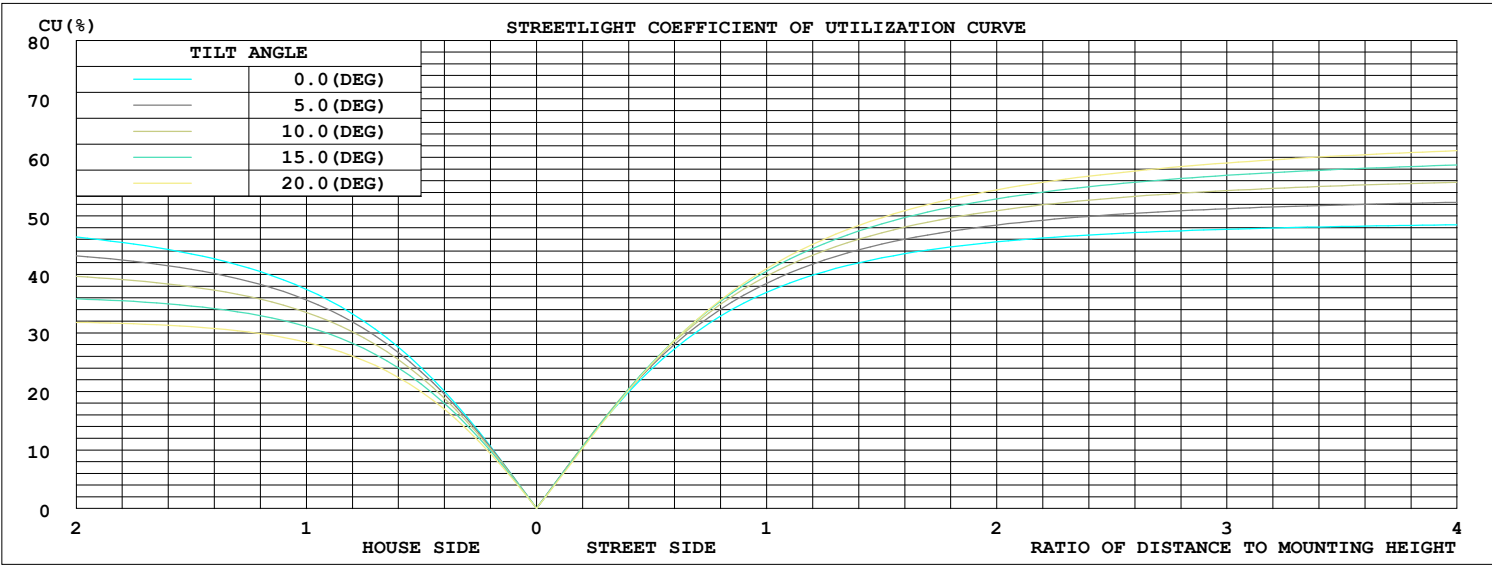
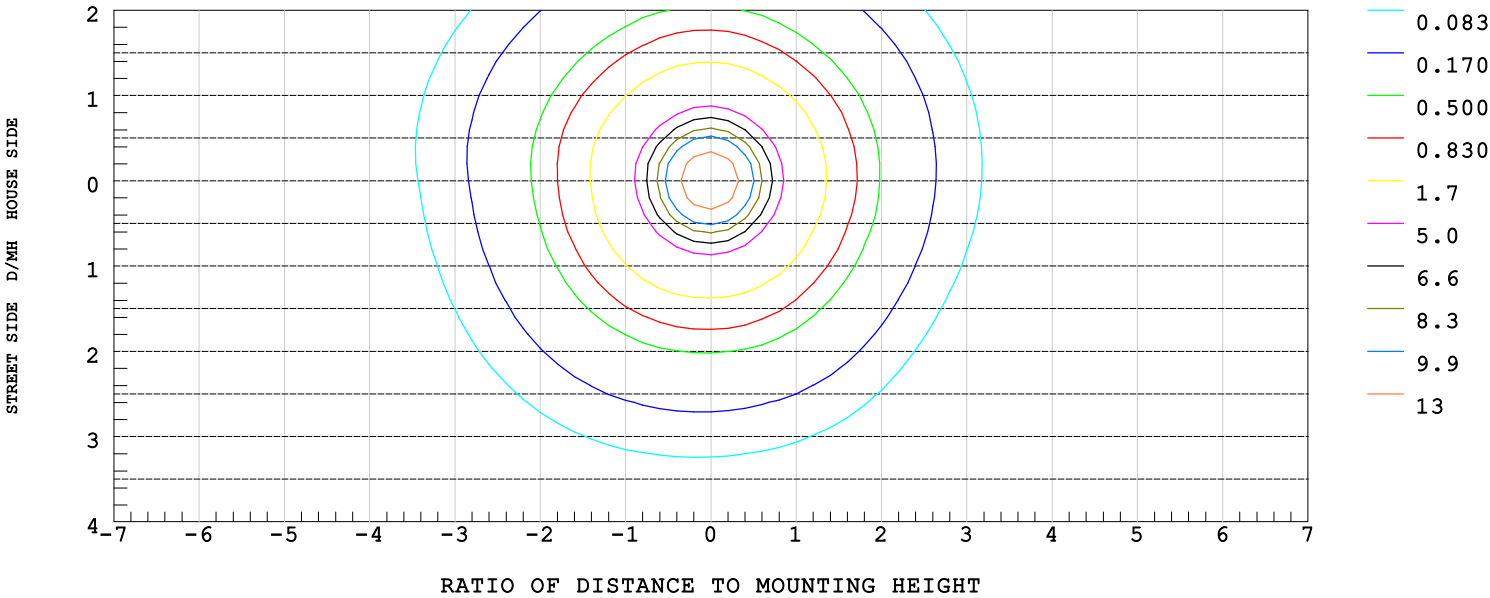
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-95 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 16.58 lx



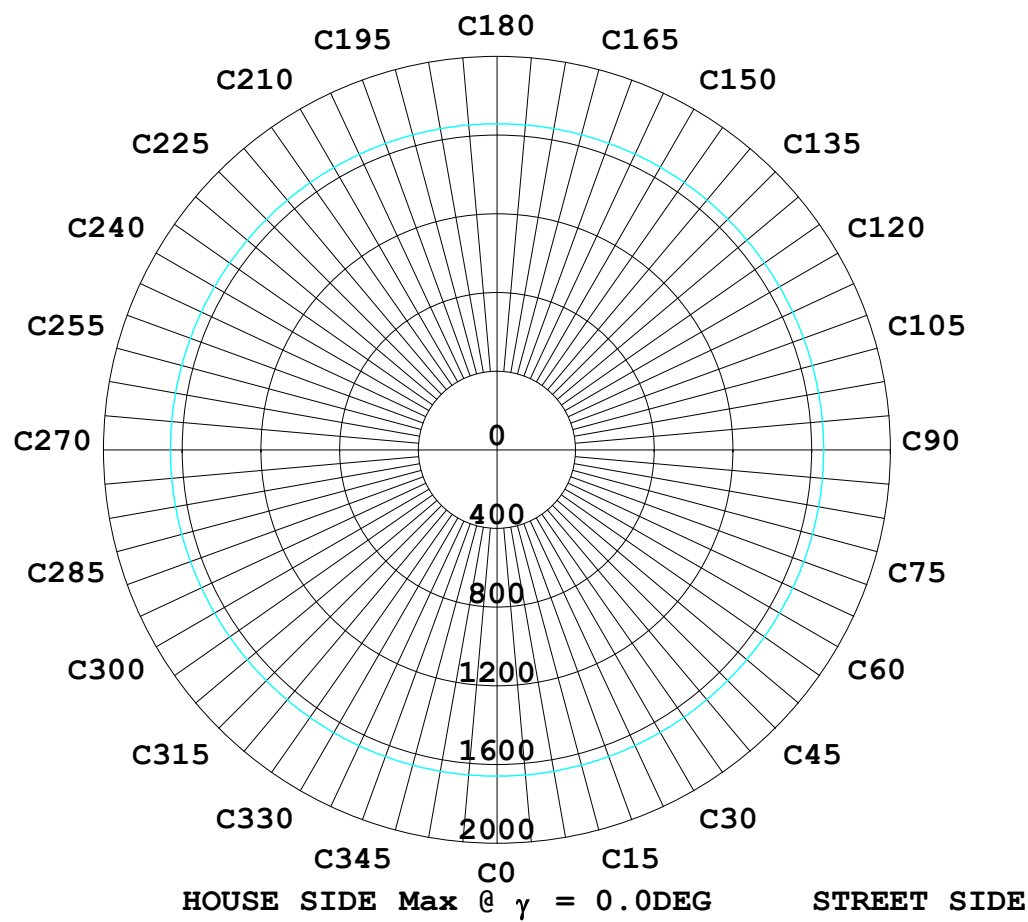
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:7.500 m
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 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:7.500 m
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DISC BACKLIT	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 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	1658	1659	1659	1660	1659	1660	1658	1659	1659	1660	1659	1660
5.0	1656	1656	1655	1649	1644	1637	1641	1645	1644	1651	1654	1660
10.0	1635	1634	1633	1620	1612	1598	1607	1611	1611	1625	1630	1644
15.0	1598	1594	1592	1575	1564	1545	1557	1562	1564	1582	1591	1608
20.0	1548	1542	1539	1517	1505	1481	1493	1500	1503	1526	1535	1557
25.0	1484	1473	1469	1445	1430	1404	1416	1427	1428	1455	1467	1495
30.0	1404	1393	1388	1360	1345	1313	1331	1342	1345	1375	1391	1420
35.0	1317	1303	1299	1267	1252	1215	1233	1247	1249	1283	1295	1331
40.0	1219	1201	1197	1163	1146	1106	1130	1144	1147	1183	1198	1236
45.0	1111	1091	1089	1048	1033	990	1013	1031	1032	1073	1089	1131
50.0	996	975	973	930	911	868	890	909	910	952	969	1015
55.0	873	849	846	801	785	738	764	785	784	830	847	895
60.0	745	717	716	668	651	604	629	653	653	700	717	766
65.0	613	586	583	533	518	471	493	519	517	565	582	632
70.0	479	449	448	398	384	337	361	388	385	434	449	500
75.0	346	316	315	267	255	207	247	259	256	303	317	367
80.0	223	189	194	147	139	101	113	137	135	162	188	239
85.0	108	82.5	85.4	52.7	49.0	29.8	29.3	44.4	40.3	74.6	83.9	123
90.0	34.4	25.0	28.3	15.1	21.0	16.0	11.7	13.6	7.87	17.4	18.3	33.7

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