

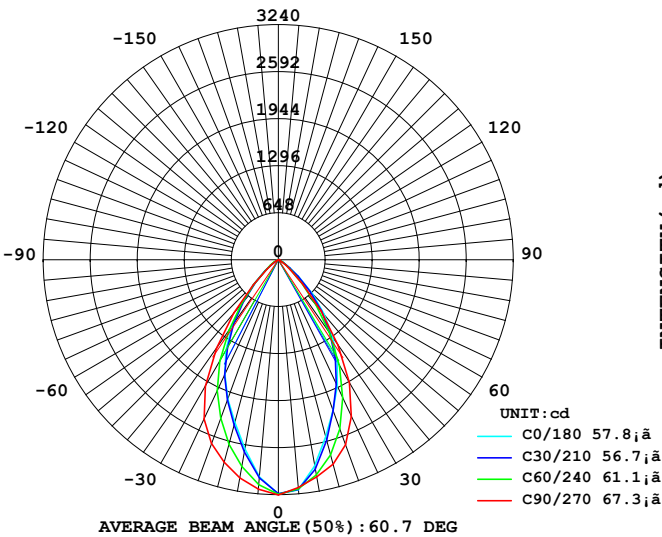
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

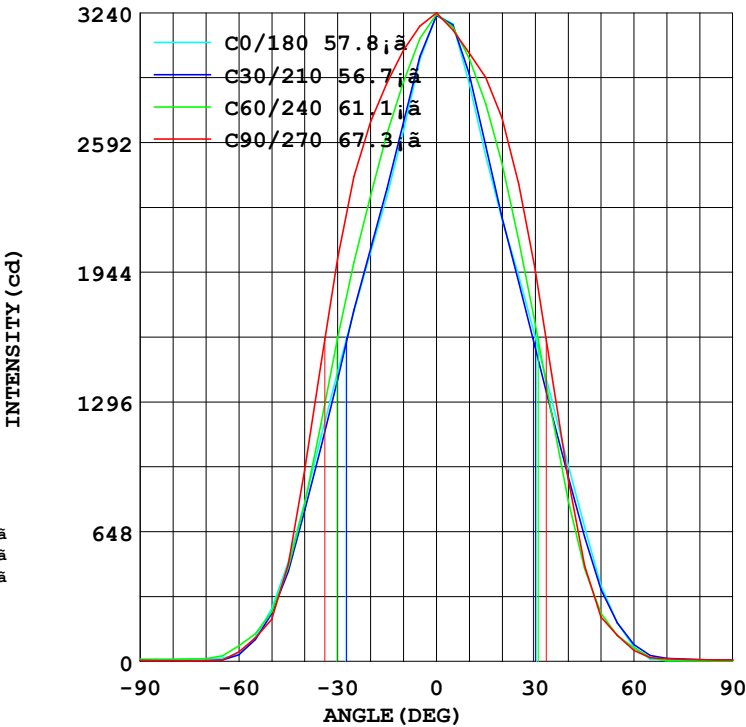
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	3240	S/MH (C0/180)	0.77
MODEL	XTO CURVE SOFT	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.99
NOMINAL POWER (W)	28	TOTAL FLUX (lm)	3294.9	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	117.3	Current (A)	0.122
NOMINAL FLUX (lm)	3295.0	η up (%)	0.0	Power (W)	28.10
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.983
TEST VOLTAGE (V)	219.9	Effictive Flux (lm)	3105.4	EEI	0.123

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:11.800 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

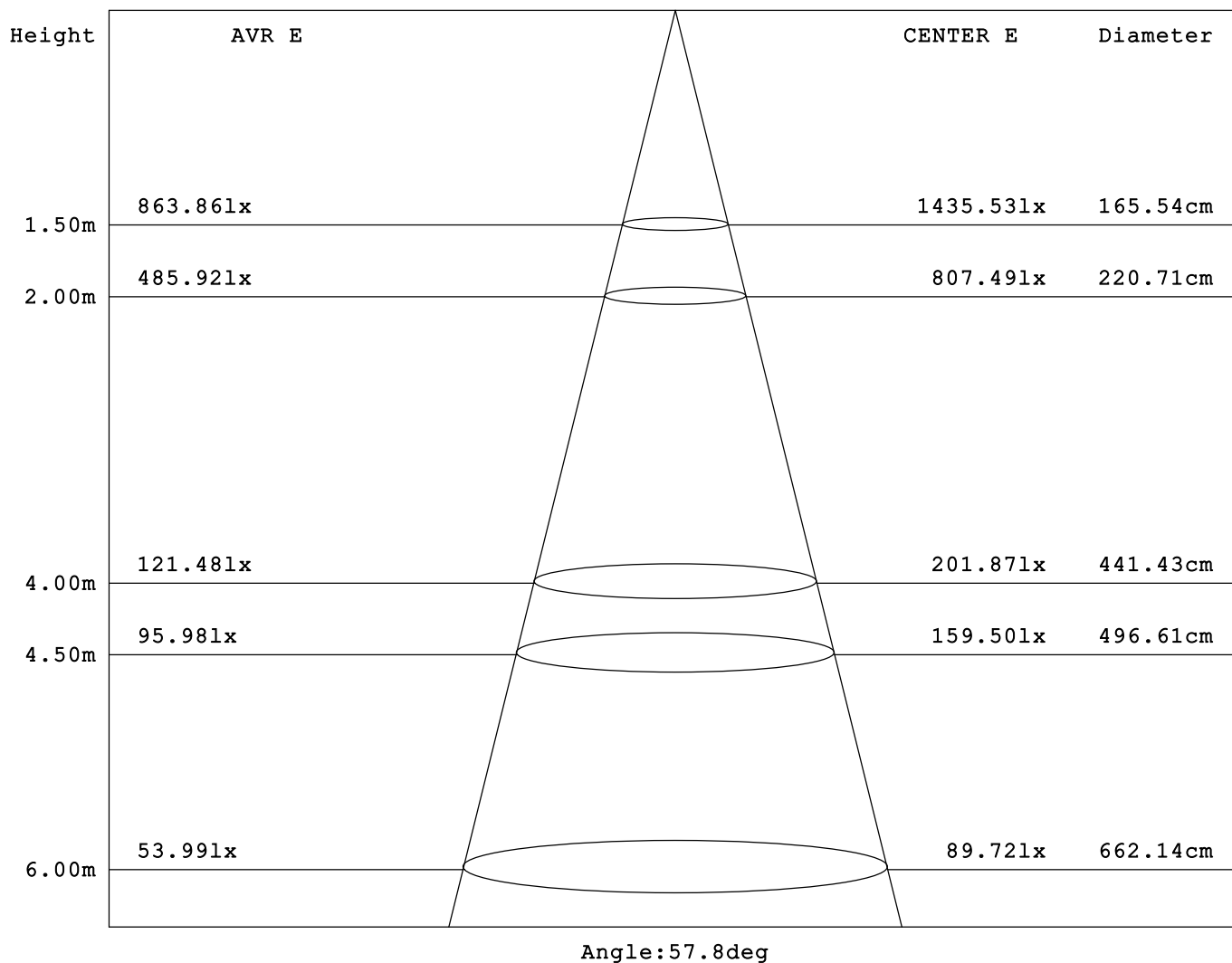
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 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: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 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:11.800 m
 Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	2653	2795	3054	2958	2889	2975	3039	2775	0- 10	291.0	291.0
20.0	2043	2194	2696	2350	2207	2351	2713	2161	10- 20	731.3	1022
30.0	1447	1512	2014	1664	1624	1630	1960	1457	20- 30	910.3	1933
40.0	793.5	769.8	956.7	910.6	983.1	866.8	916.4	737.4	30- 40	770.0	2703
50.0	263.3	242.9	209.4	324.1	378.3	299.2	220.8	234.1	40- 50	412.8	3116
60.0	33.83	55.48	47.75	82.91	73.10	76.30	55.27	50.68	50- 60	137.5	3253
70.0	13.64	9.050	3.620	10.30	6.405	9.050	12.81	7.727	60- 70	26.79	3280
80.0	11.13	7.449	3.202	7.031	5.291	5.639	8.772	5.221	70- 80	8.035	3288
90.0	10.58	8.563	5.569	7.310	7.101	4.386	6.544	4.246	80- 90	6.988	3295
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

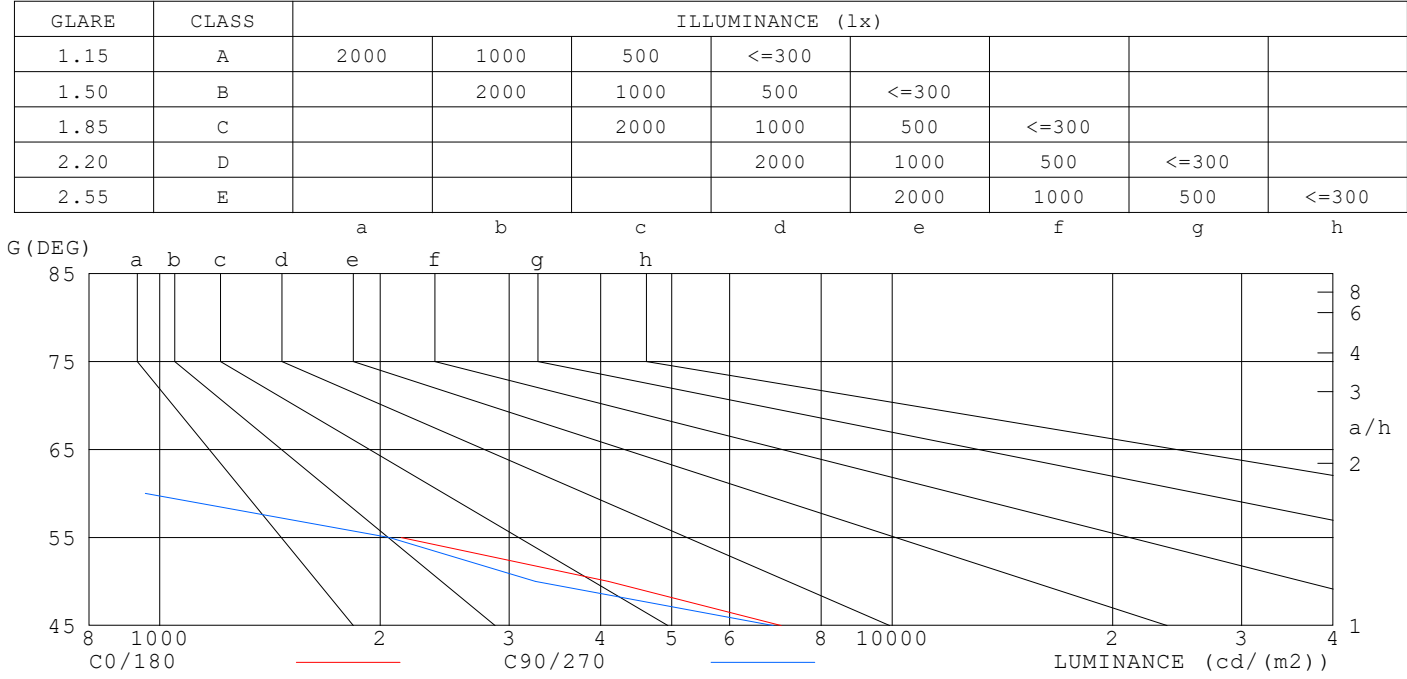
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	1230	447
80	641	184
75	457	118
70	399	106
65	399	168
60	677	955
55	2136	2059
50	4096	3258
45	7052	6878

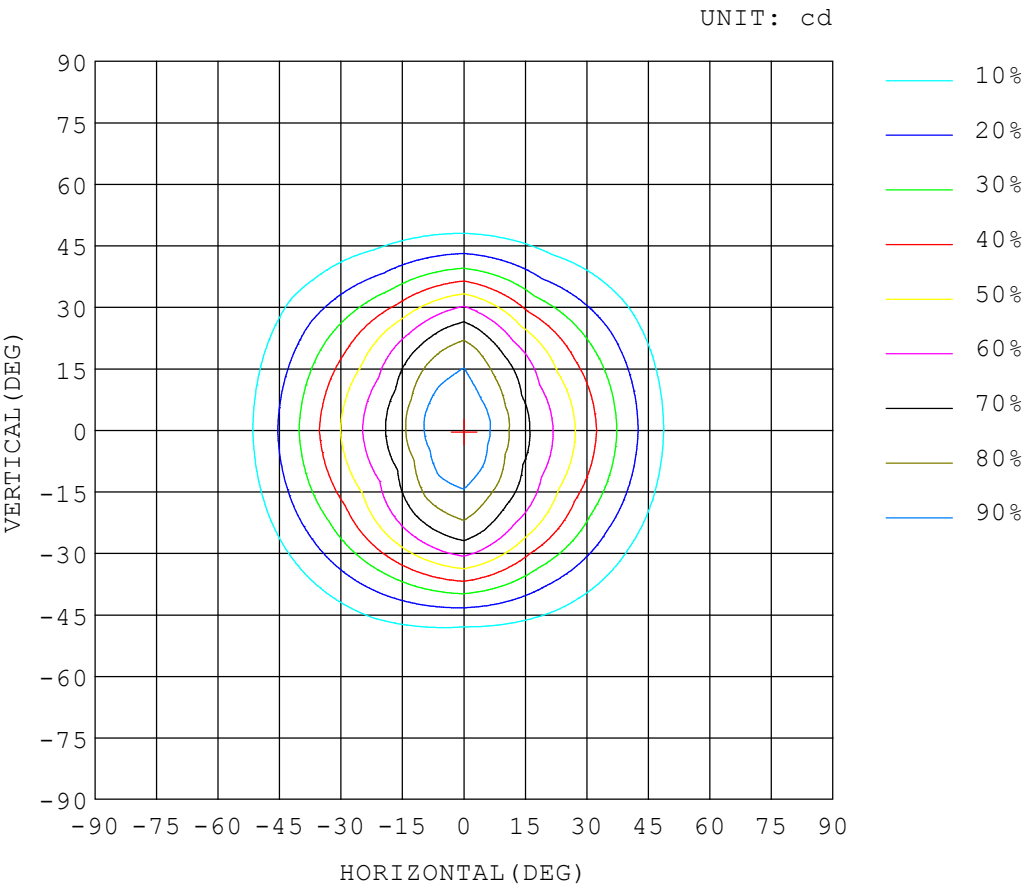
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:



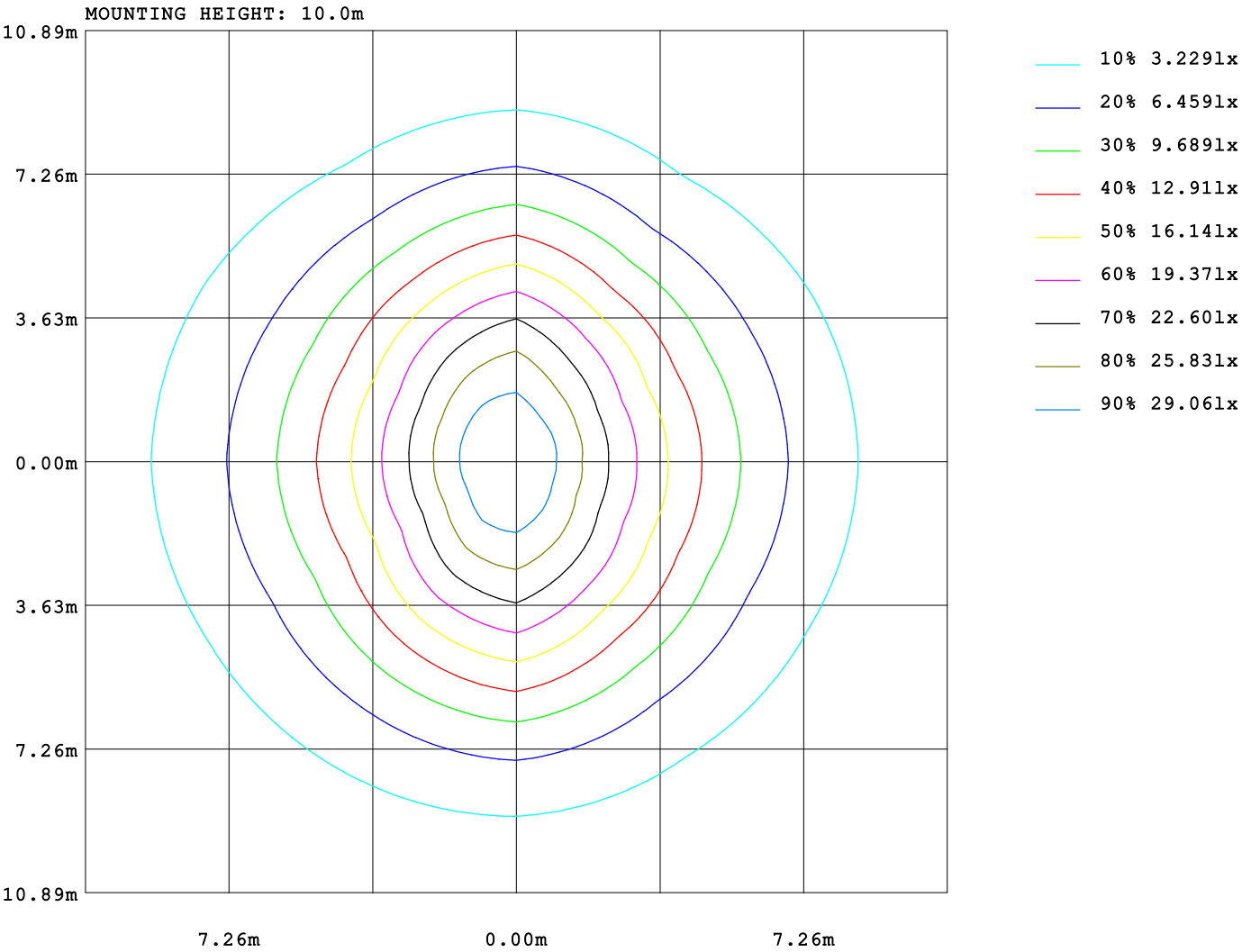
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 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:11.800 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: XTO CURVE SOFT

TYPE: 4000K CRI-90

WEIGHT:

SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*34*38 MM

SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	0.02	0.05	0.09	0.11	0.10	0.07	0.08	0.14	0.20	0.20	0.14	0.08	0.07	0.10	0.10	0.09	0.07	0.03			
90																					
80																					
70																					
60																					
50																					
40																					
30																					

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

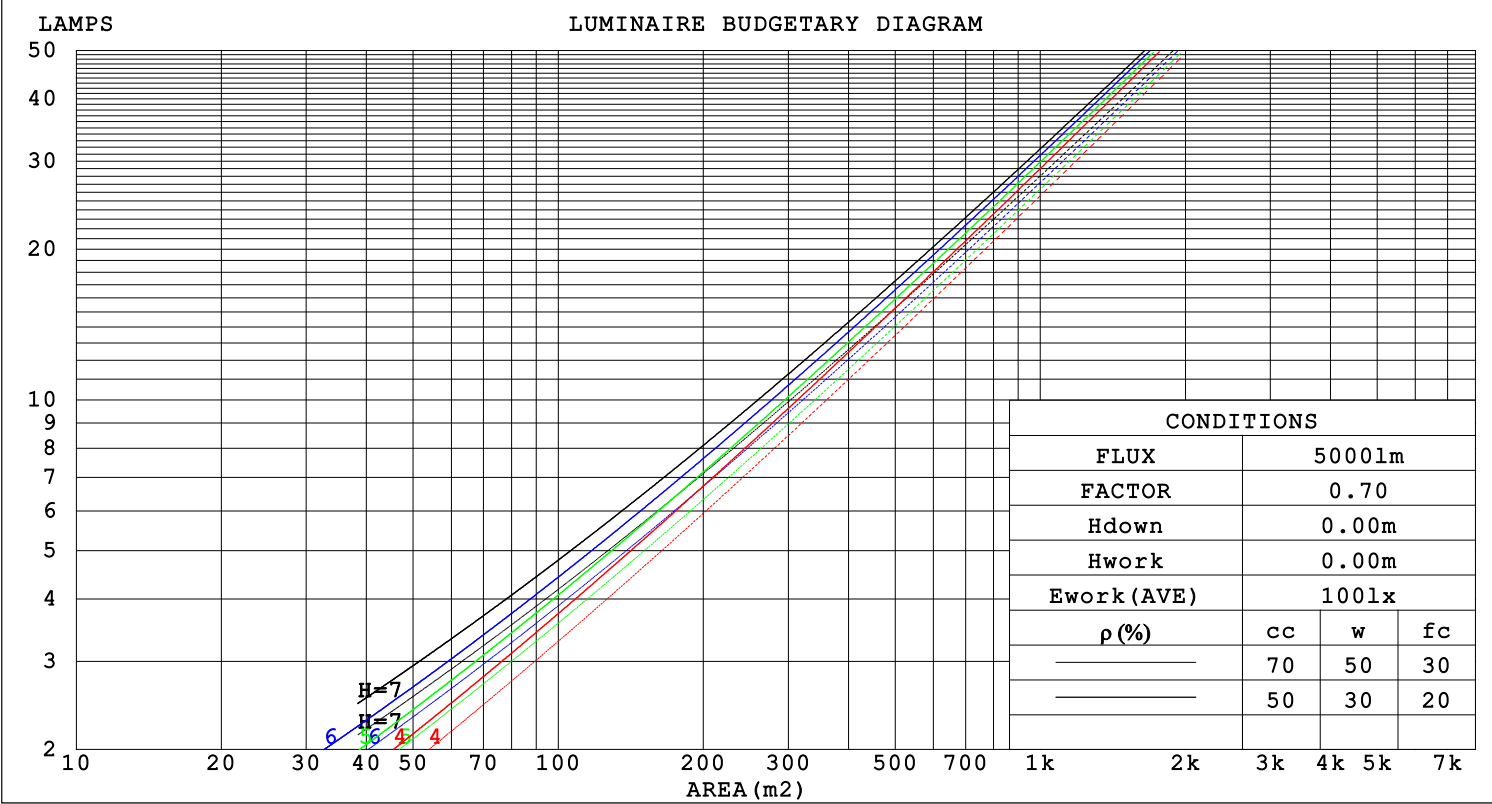
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.800 m
 Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: XTO CURVE SOFT								TYPE: 4000K CRI-90				WEIGHT:			
SPECIFICATION: FULHAM 600 MA								DIMENSION: 1200*34*38 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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.87	.83	.80	.84	.81	.79	.77
4.0	.86	.80	.75	.85	.79	.75	.83	.78	.74	.81	.77	.73	.79	.75	.72	.71
5.0	.80	.74	.69	.79	.73	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.65
6.0	.74	.68	.63	.73	.67	.63	.72	.66	.62	.70	.66	.62	.69	.65	.61	.60
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.58	.54	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.49	.57	.53	.49	.48
10.0	.57	.51	.46	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.45



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:11.800 m
Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: XTO CURVE SOFT								TYPE: 4000K CRI-90				WEIGHT:		
SPECIFICATION: FULHAM 600 MA								DIMENSION: 1200*34*38 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	.196	.111	.035	.189	.108	.034	.176	.101	.032	.165	.095	.030	.154	.089	.029	
2.0	.189	.104	.032	.183	.101	.031	.172	.096	.030	.163	.091	.029	.153	.087	.027	
3.0	.181	.096	.029	.176	.094	.028	.166	.090	.027	.158	.087	.027	.150	.083	.026	
4.0	.172	.089	.026	.168	.088	.026	.160	.085	.025	.152	.082	.025	.145	.079	.024	
5.0	.164	.084	.024	.160	.082	.024	.153	.080	.023	.147	.077	.023	.140	.075	.023	
6.0	.156	.078	.022	.153	.077	.022	.147	.075	.022	.141	.073	.022	.135	.071	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.142	.069	.020	.139	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.133	.065	.018	.129	.064	.018	.125	.062	.018	.121	.061	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.059	.017	.116	.058	.017	

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	.172	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.130	.088	.057	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.106	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.065	.034	.096	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004	
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.101	.056	.026	.087	.049	.023	.061	.034	.016	.035	.020	.010	.011	.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:11.800 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS										
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019										
NAME: XTO CURVE SOFT					TYPE: 4000K CRI-90			WEIGHT:		
SPECIFICATION: FULHAM 600 MA					DIMENSION: 1200*34*38 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	14.2	15.3	14.5	15.5	15.6	14.8	15.9	15.1	16.1	16.3
	3H	14.1	15.0	14.3	15.2	15.5	14.7	15.7	14.9	15.9
	4H	14.0	14.9	14.3	15.1	15.4	14.6	15.5	14.9	15.7
	6H	13.9	14.8	14.2	15.0	15.3	14.5	15.4	14.8	15.6
	8H	13.9	14.7	14.2	15.0	15.3	14.5	15.3	14.8	15.5
	12H	13.9	14.7	14.2	15.0	15.3	14.4	15.2	14.7	15.5
4H	2H	14.0	14.9	14.3	15.2	15.4	14.6	15.5	14.9	15.8
	3H	13.8	14.6	14.2	14.9	15.2	14.4	15.2	14.8	15.5
	4H	13.8	14.5	14.1	14.8	15.1	14.4	15.1	14.7	15.4
	6H	13.7	14.4	14.1	14.7	15.0	14.3	14.9	14.7	15.3
	8H	13.7	14.3	14.1	14.7	15.0	14.3	14.8	14.6	15.2
	12H	13.8	14.3	14.2	14.7	15.1	14.2	14.8	14.6	15.1
8H	4H	13.6	14.2	14.0	14.6	14.9	14.2	14.8	14.6	15.2
	6H	13.6	14.1	14.0	14.5	14.9	14.2	14.7	14.6	15.0
	8H	13.6	14.0	14.1	14.4	14.9	14.2	14.6	14.6	15.0
	12H	13.7	14.0	14.2	14.5	15.0	14.2	14.5	14.6	15.0
12H	4H	13.6	14.1	14.0	14.5	14.9	14.2	14.7	14.6	15.1
	6H	13.6	14.0	14.0	14.4	14.8	14.1	14.6	14.6	15.0
	8H	13.6	13.9	14.0	14.4	14.8	14.1	14.5	14.6	14.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 8.6					+ 3.1 / - 8.0				
1.5H	+ 3.6 / - 7.8					+ 4.7 / - 4.5				
2.0H	+ 6.4 / - 8.0					+ 6.1 / - 8.7				

CIE Pub.117 Corrected 3295 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

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

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

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 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) $k(RI) \times RCR = 5$									
$k = 0.60$	80	72	68	79	72	68	79	72	68	63
0.80	89	81	77	88	81	77	87	80	76	72
1.00	95	88	84	94	87	83	92	88	83	78
1.25	100	93	89	98	93	89	96	92	88	83
1.50	103	97	93	102	96	93	99	95	92	87
2.00	106	102	98	105	101	97	102	99	96	90
2.50	108	104	101	107	103	100	104	100	98	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	104	103	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

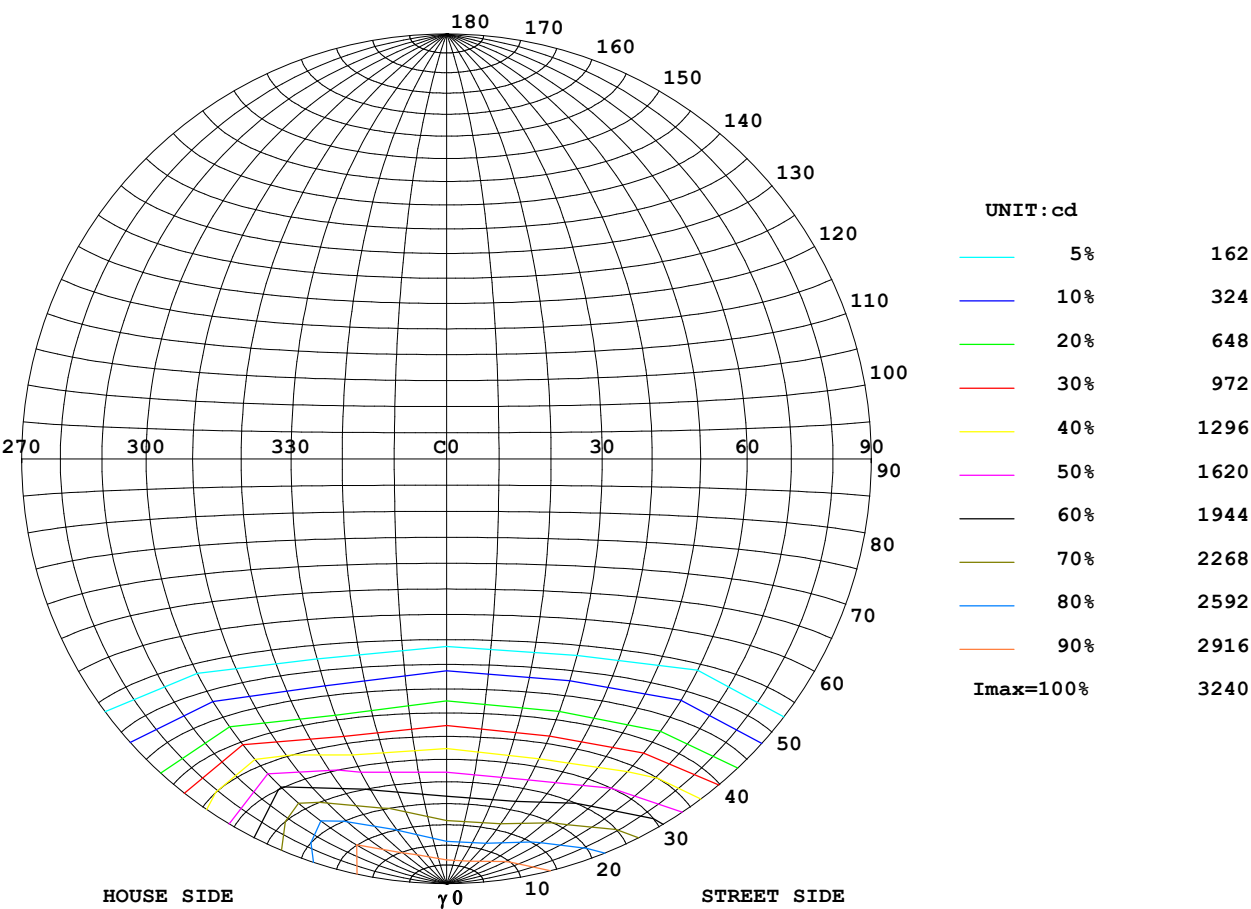
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 Temperature: 25.3 DEG
 Operators:
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Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
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ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:



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

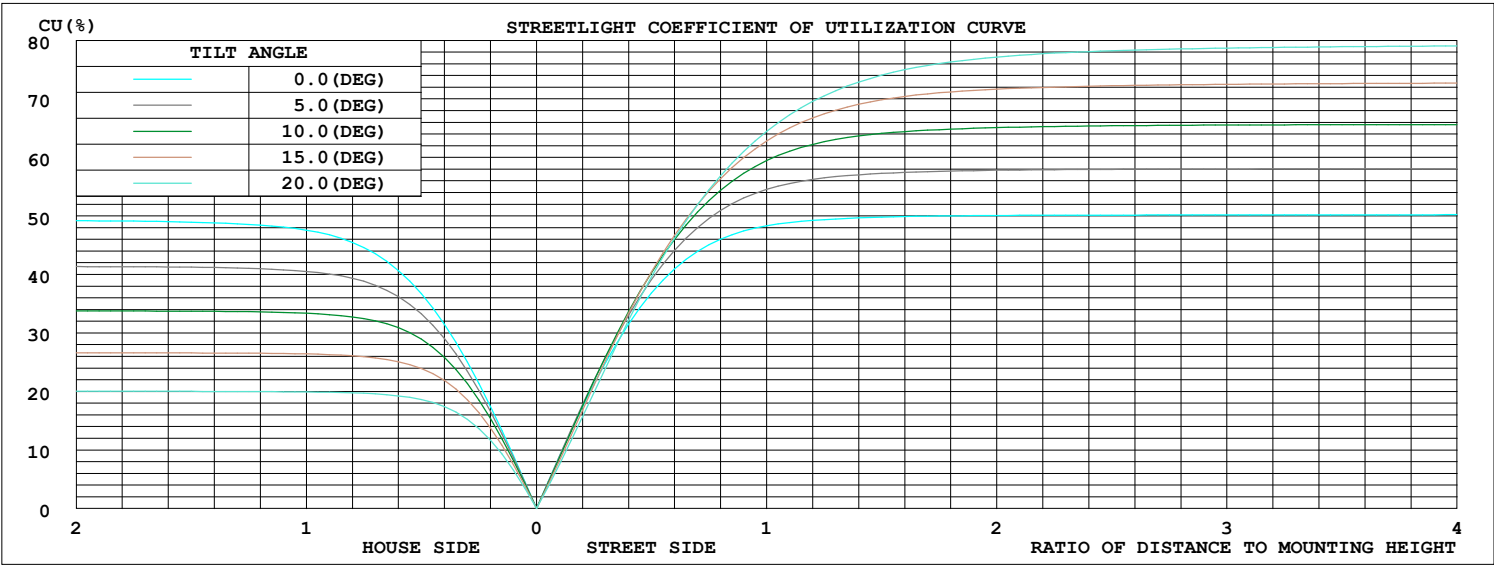
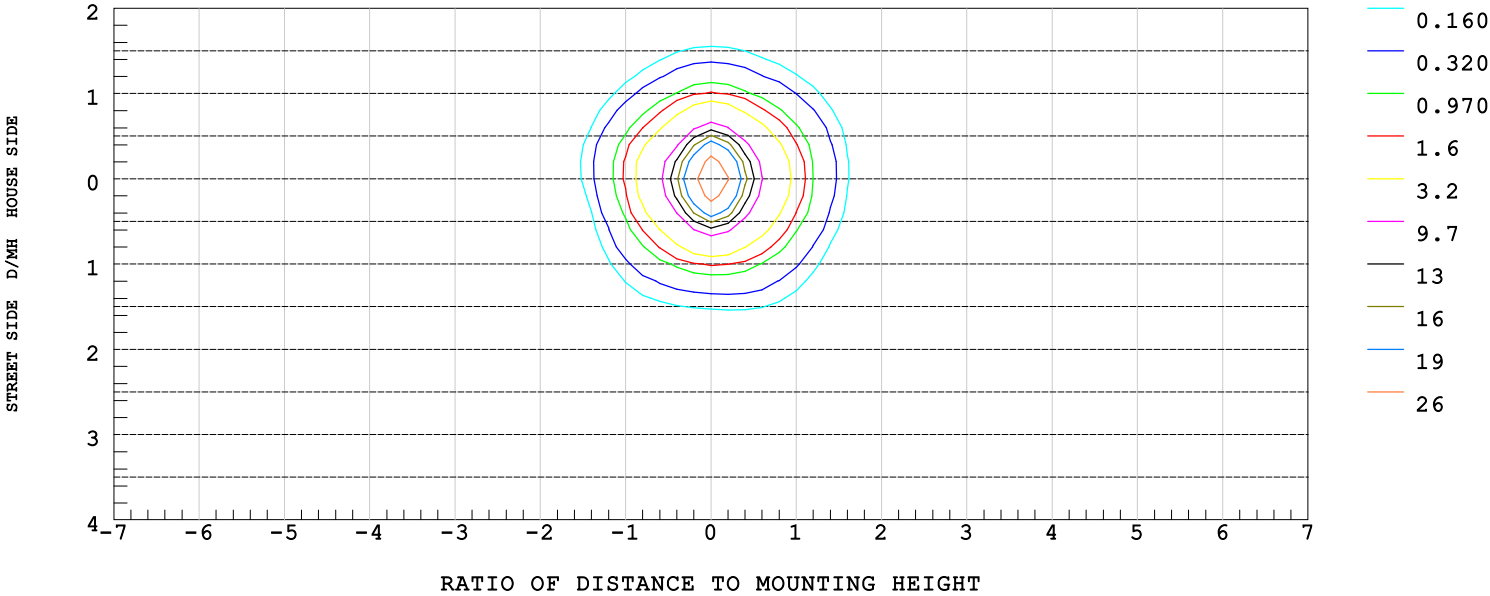
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Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 32.30 lx



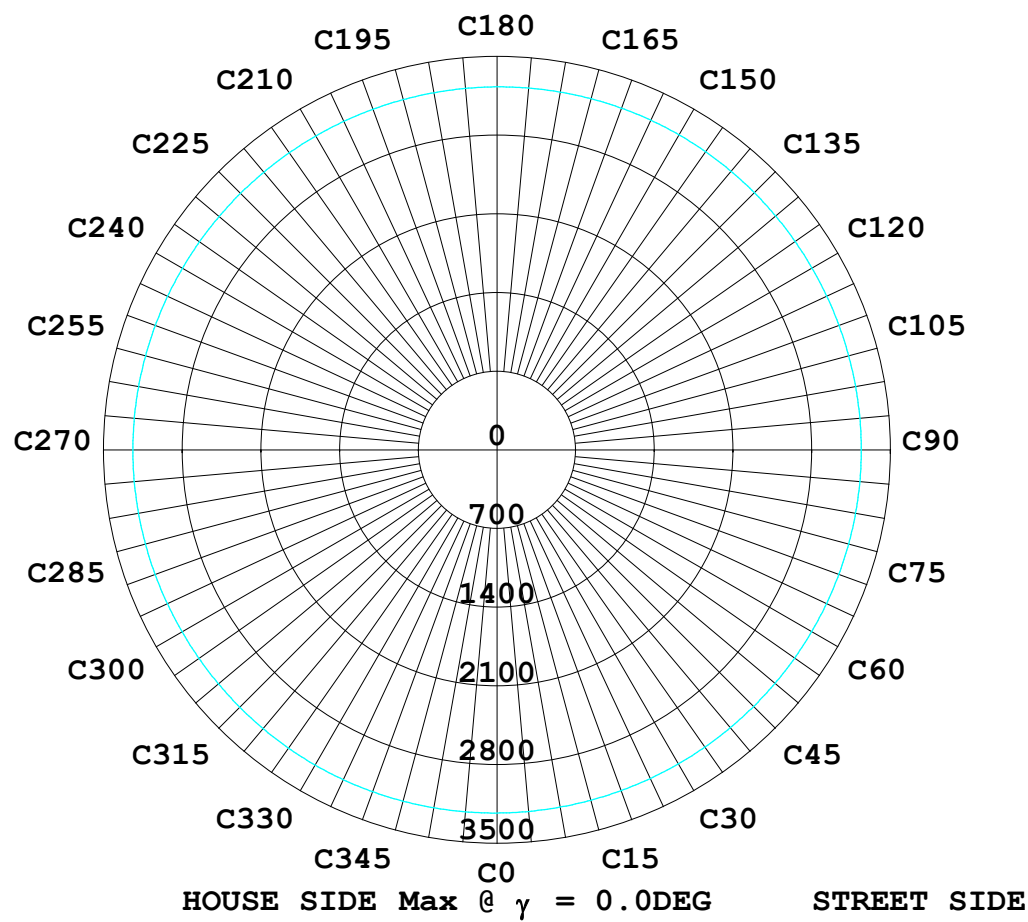
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 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:11.800 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO CURVE SOFT	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*34*38 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	3230	3226	3233	3240	3236	3238	3230	3226	3233	3240	3236	3238
5.0	3006	3021	3111	3174	3202	3172	3184	3181	3169	3155	3082	3044
10.0	2653	2694	2896	3054	3032	2884	2889	2936	3014	3039	2841	2708
15.0	2323	2360	2635	2890	2798	2521	2524	2575	2786	2917	2589	2352
20.0	2043	2062	2327	2696	2521	2179	2207	2215	2486	2713	2296	2027
25.0	1749	1756	1995	2422	2180	1869	1925	1893	2103	2385	1915	1721
30.0	1447	1408	1617	2014	1785	1543	1624	1570	1690	1960	1510	1403
35.0	1122	1070	1187	1486	1350	1220	1309	1238	1237	1433	1082	1081
40.0	794	754	785	957	913	908	983	926	808	916	703	772
45.0	499	450	471	486	571	613	671	621	461	477	397	483
50.0	263	239	247	209	310	338	378	359	240	221	208	260
55.0	123	110	138	118	172	171	192	192	128	131	109	129
60.0	33.8	33.5	77.4	47.7	98.0	67.8	73.1	84.6	67.9	55.2	52.3	49.0
65.0	16.8	7.79	28.6	7.10	43.5	15.7	10.9	30.2	19.4	18.7	10.8	19.4
70.0	13.6	4.17	13.9	3.62	15.5	5.01	6.40	15.0	3.06	12.8	2.92	12.5
75.0	11.8	4.17	11.5	3.06	12.1	3.89	5.56	11.2	2.36	10.3	2.22	10.1
80.0	11.1	4.59	10.3	3.20	10.3	3.75	5.29	9.18	2.08	8.77	1.94	8.49
85.0	10.7	5.29	10.0	3.89	9.46	4.03	5.29	7.79	1.81	7.51	1.81	7.10
90.0	10.5	6.96	10.1	5.56	9.18	5.43	7.10	6.54	2.22	6.54	2.50	5.98

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