

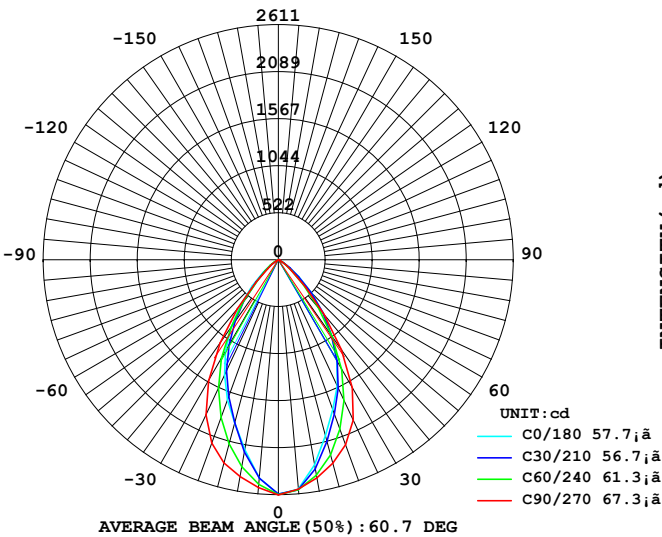
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

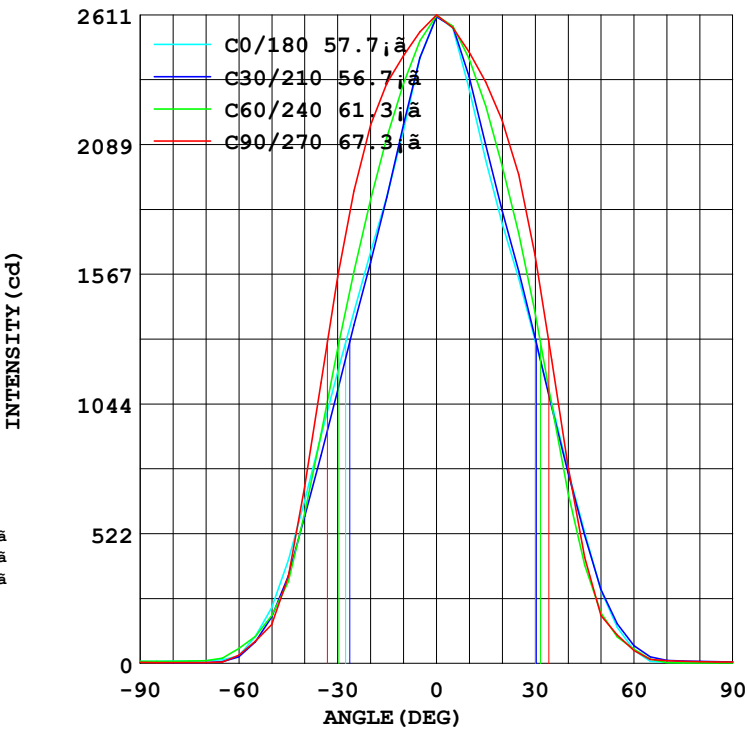
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	2611	S/MH (C0/180)	0.77
MODEL	XTO 25	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.98
NOMINAL POWER (W)	28	TOTAL FLUX (lm)	2655.0	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	94.5	Current (A)	0.120
NOMINAL FLUX (lm)	2655.1	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)	2492.5	EEI	0.154

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

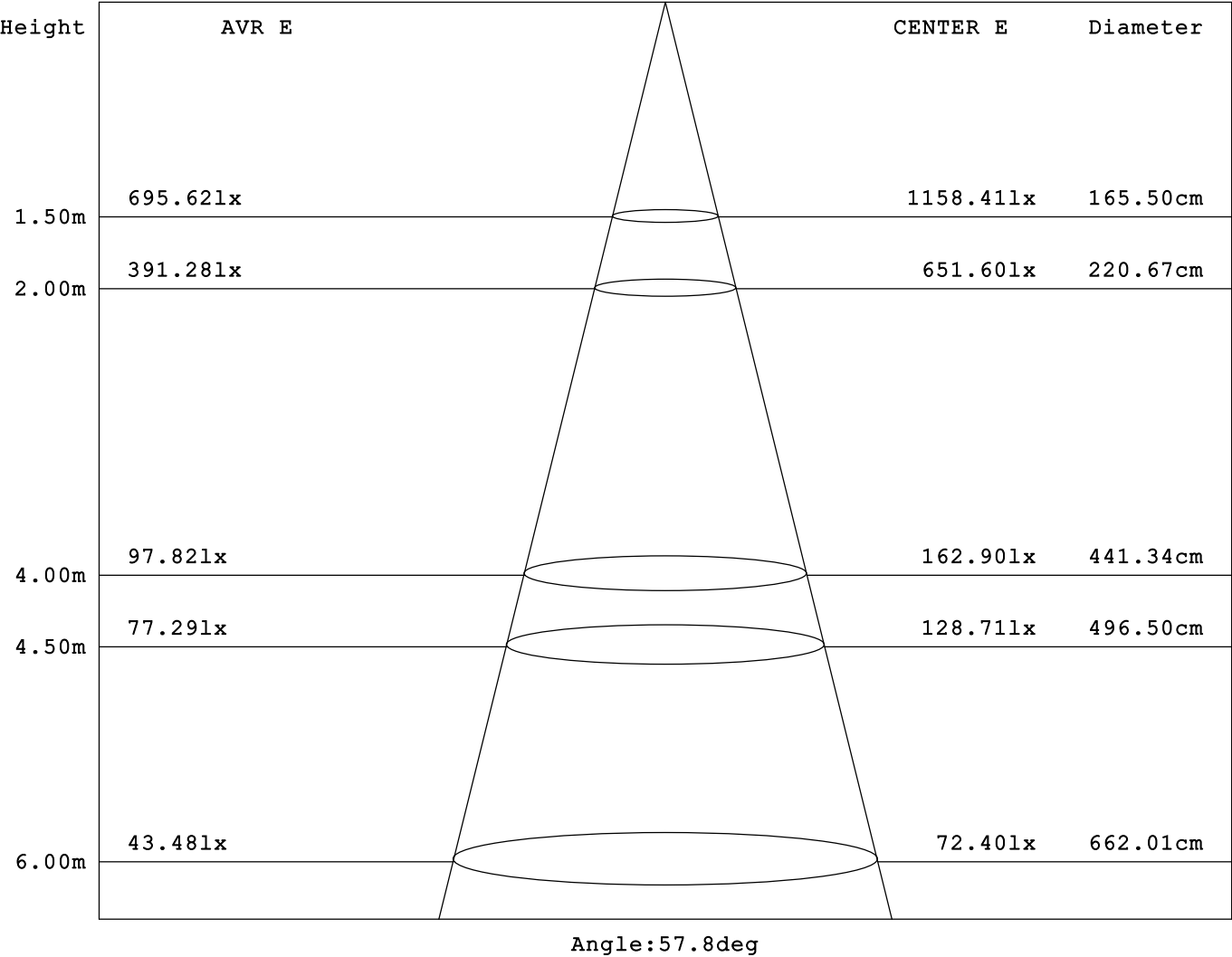
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 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: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	2147	2252	2447	2347	2312	2397	2461	2268	0- 10	234.6	234.6
20.0	1656	1741	2168	1860	1772	1913	2187	1769	10- 20	588.5	823.1
30.0	1172	1182	1556	1295	1301	1362	1643	1213	20- 30	733.0	1556
40.0	654.4	598.5	712.0	694.4	778.4	727.6	793.9	626.8	30- 40	620.7	2177
50.0	225.2	190.1	156.2	238.8	292.8	249.8	192.3	208.4	40- 50	332.8	2510
60.0	30.56	43.48	32.35	59.04	53.25	64.55	52.47	47.30	50- 60	111.0	2621
70.0	11.57	7.415	2.921	7.809	4.943	7.752	11.01	6.685	60- 70	21.70	2643
80.0	9.101	6.123	2.809	5.786	4.382	4.831	7.415	4.382	70- 80	6.685	2649
90.0	8.651	7.134	4.831	6.179	6.067	3.764	5.505	3.595	80- 90	5.874	2655
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:05-23-2025

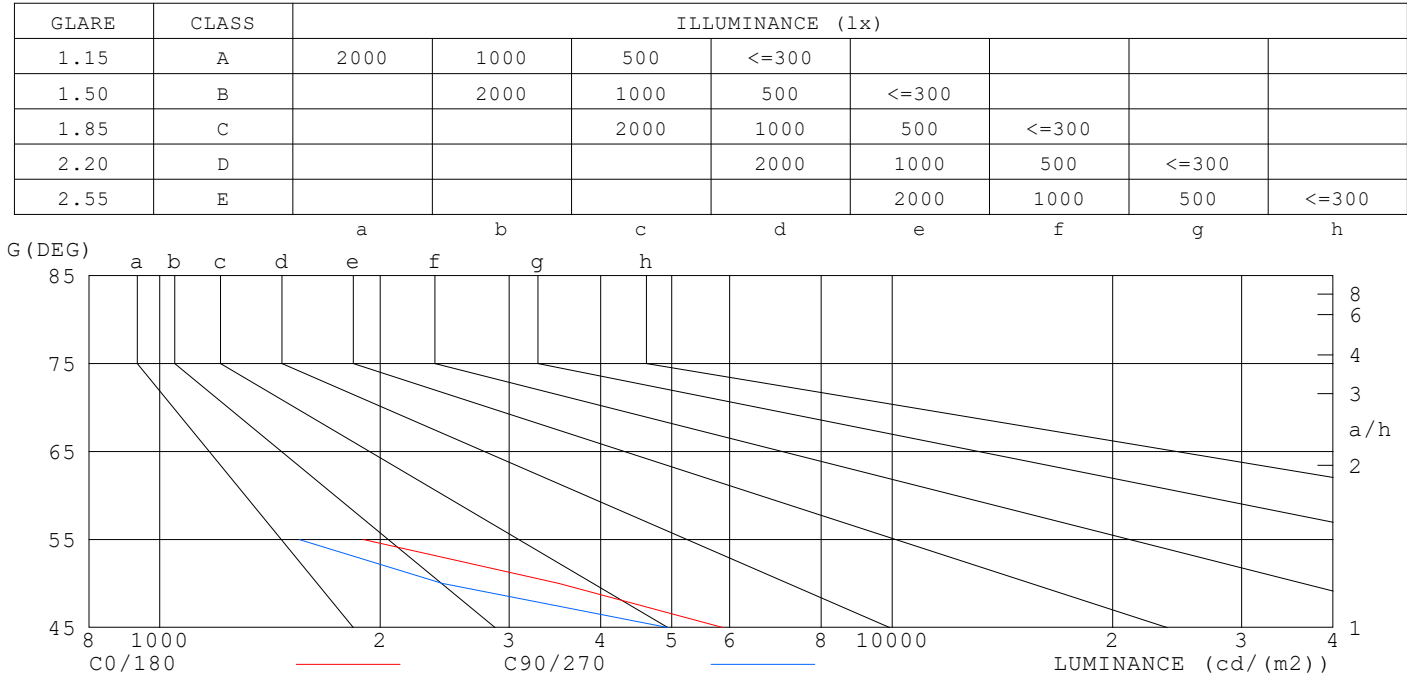
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	1006	387
80	524	162
75	386	100
70	338	85
65	340	122
60	611	647
55	1898	1550
50	3505	2431
45	5875	4940

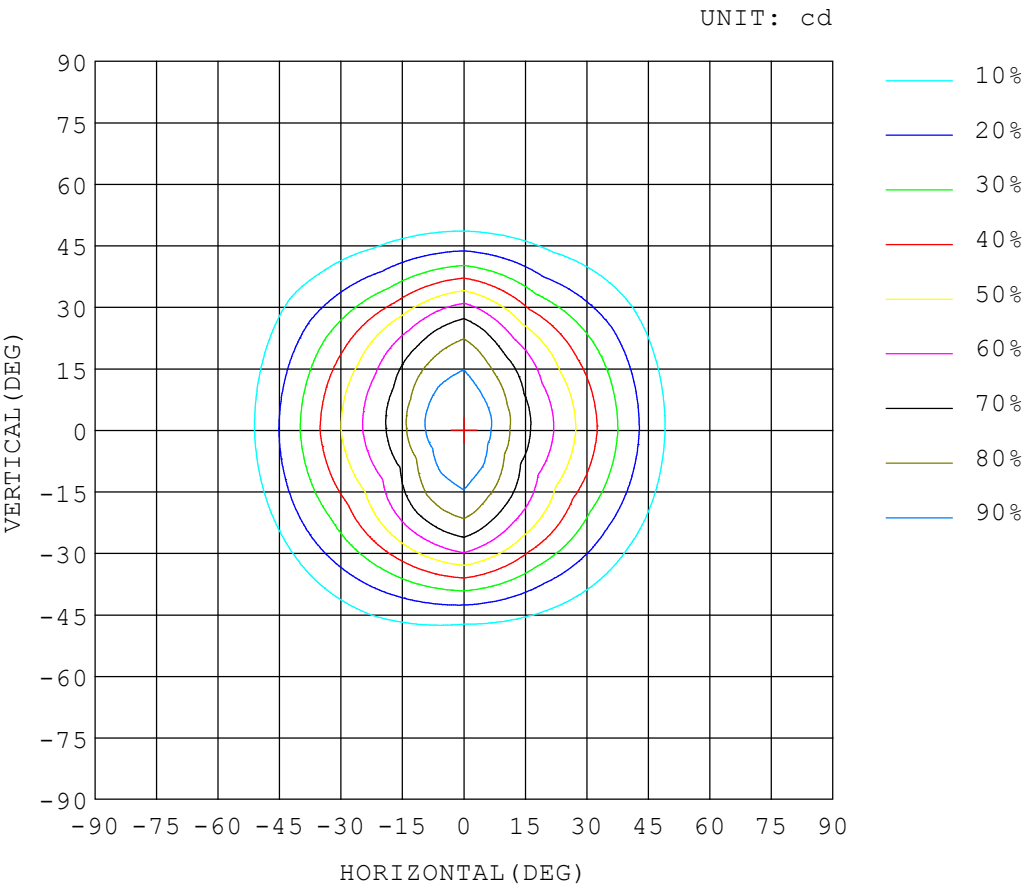
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

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

ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:



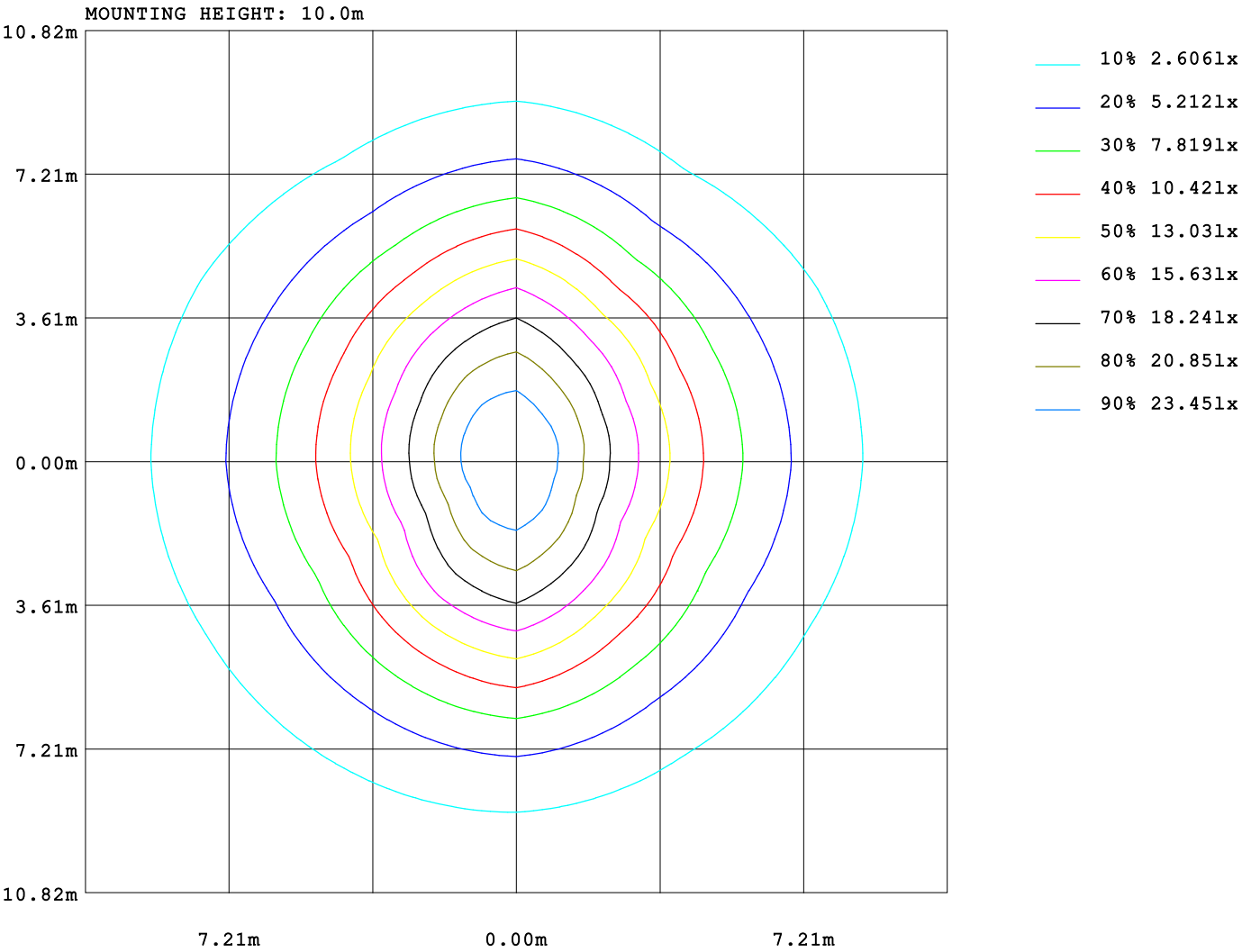
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: XTO ZORRO									TYPE: 3000K CRI-90							WEIGHT:				
SPECIFICATION: FULHAM 600 MA									DIMENSION: L-1200 D-56 MM							SERIAL No.:				

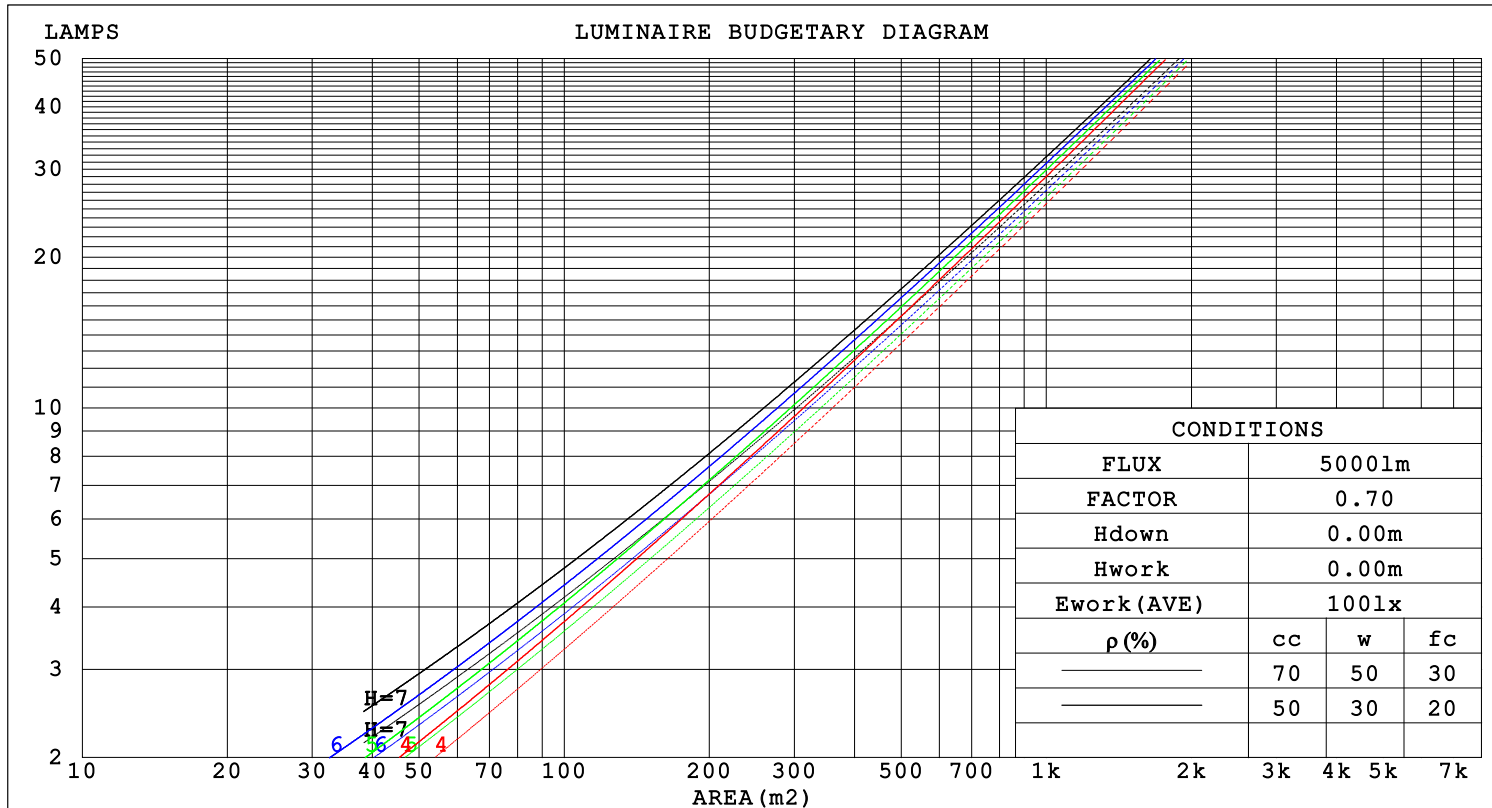
90 80 70 60 50 40 30
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Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 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	1.10	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	.73	.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	.57	.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	.53	.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 Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: XTO ZORRO					TYPE: 3000K CRI-90					WEIGHT:				
SPECIFICATION: FULHAM 600 MA					DIMENSION: L-1200 D-56 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	.031	.154	.089	.029	
2.0	.189	.104	.032	.183	.101	.031	.173	.096	.030	.163	.091	.029	.153	.087	.027	
3.0	.181	.096	.029	.176	.094	.028	.167	.090	.027	.158	.087	.027	.150	.083	.026	
4.0	.172	.090	.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	.112	.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:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: XTO ZORRO					TYPE: 3000K CRI-90			WEIGHT:			
SPECIFICATION: FULHAM 600 MA					DIMENSION: L-1200 D-56 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	13.4	14.5	13.7	14.7	14.9	13.6	14.7	13.9	14.9	15.1	
	3H	13.3	14.2	13.5	14.5	14.7	13.5	14.4	13.7	14.7	14.9
	4H	13.2	14.1	13.5	14.3	14.6	13.4	14.3	13.7	14.5	14.8
	6H	13.1	14.0	13.4	14.2	14.5	13.3	14.2	13.6	14.4	14.7
	8H	13.1	13.9	13.4	14.2	14.5	13.3	14.1	13.6	14.3	14.6
	12H	13.1	13.9	13.5	14.2	14.5	13.2	14.0	13.5	14.3	14.6
4H	2H	13.2	14.1	13.5	14.4	14.6	13.4	14.3	13.7	14.6	14.8
	3H	13.0	13.8	13.4	14.1	14.4	13.2	14.0	13.6	14.3	14.6
	4H	13.0	13.7	13.3	14.0	14.3	13.2	13.9	13.5	14.2	14.5
	6H	12.9	13.6	13.3	13.9	14.2	13.1	13.7	13.5	14.1	14.4
	8H	12.9	13.5	13.3	13.9	14.2	13.1	13.6	13.5	14.0	14.4
	12H	13.0	13.5	13.4	13.9	14.3	13.0	13.6	13.4	13.9	14.3
8H	4H	12.8	13.4	13.2	13.8	14.2	13.0	13.6	13.4	14.0	14.3
	6H	12.8	13.3	13.2	13.7	14.1	13.0	13.5	13.4	13.9	14.3
	8H	12.8	13.2	13.3	13.7	14.1	13.0	13.4	13.4	13.8	14.3
	12H	12.9	13.3	13.4	13.7	14.2	13.0	13.3	13.5	13.8	14.3
12H	4H	12.8	13.3	13.2	13.7	14.1	13.0	13.5	13.4	13.9	14.3
	6H	12.8	13.2	13.2	13.6	14.0	12.9	13.4	13.4	13.8	14.2
	8H	12.8	13.1	13.3	13.6	14.1	13.0	13.3	13.4	13.8	14.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.6 / - 8.2					+ 3.1 / - 8.0					
1.5H	+ 3.7 / - 7.9					+ 4.7 / - 4.2					
2.0H	+ 6.5 / - 8.0					+ 5.7 / - 8.2					

CIE Pub.117 Corrected 2655 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

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

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 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	67	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	112	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		

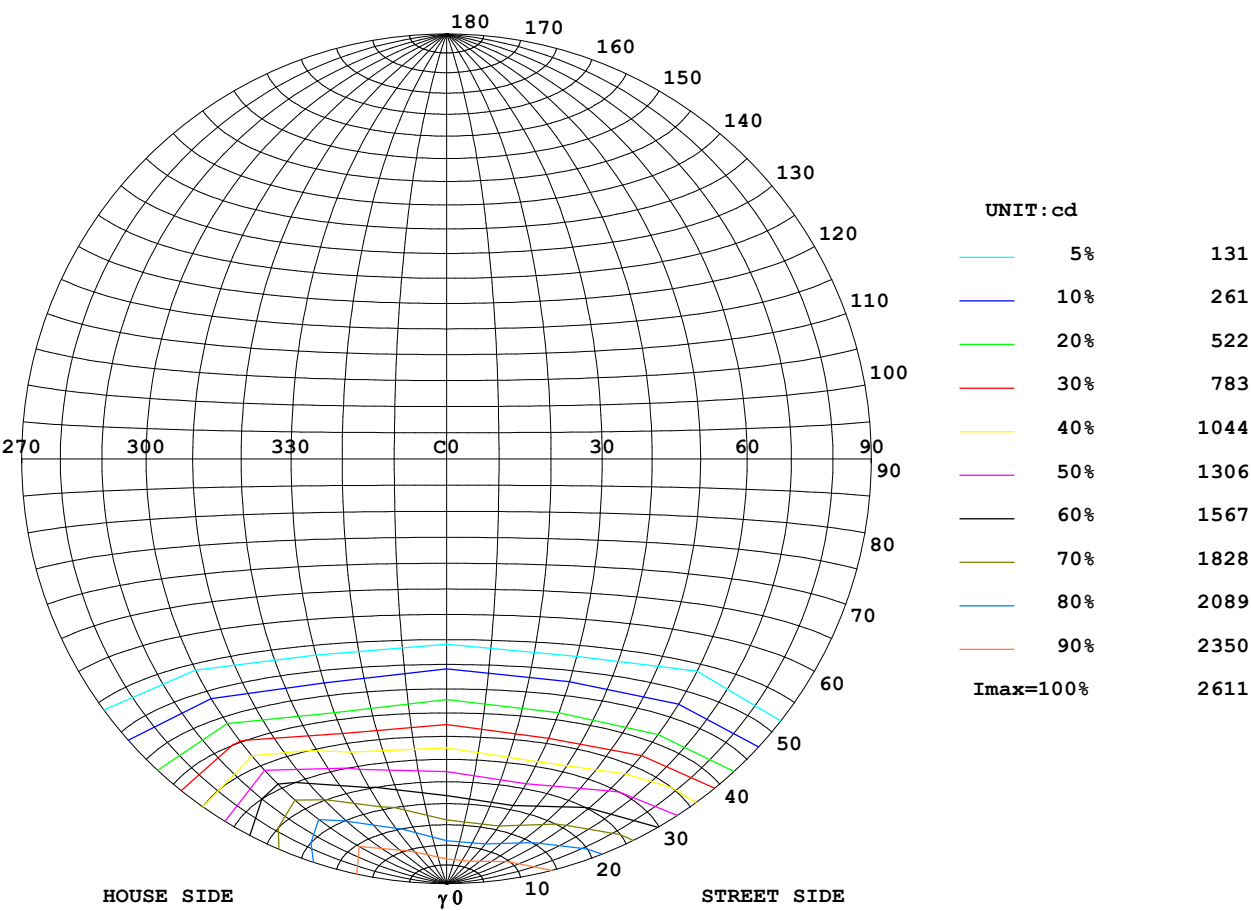
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 Temperature: 25.3 DEG
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Test Set: 5.0 deg/s C-Gamma (TYPE C)
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

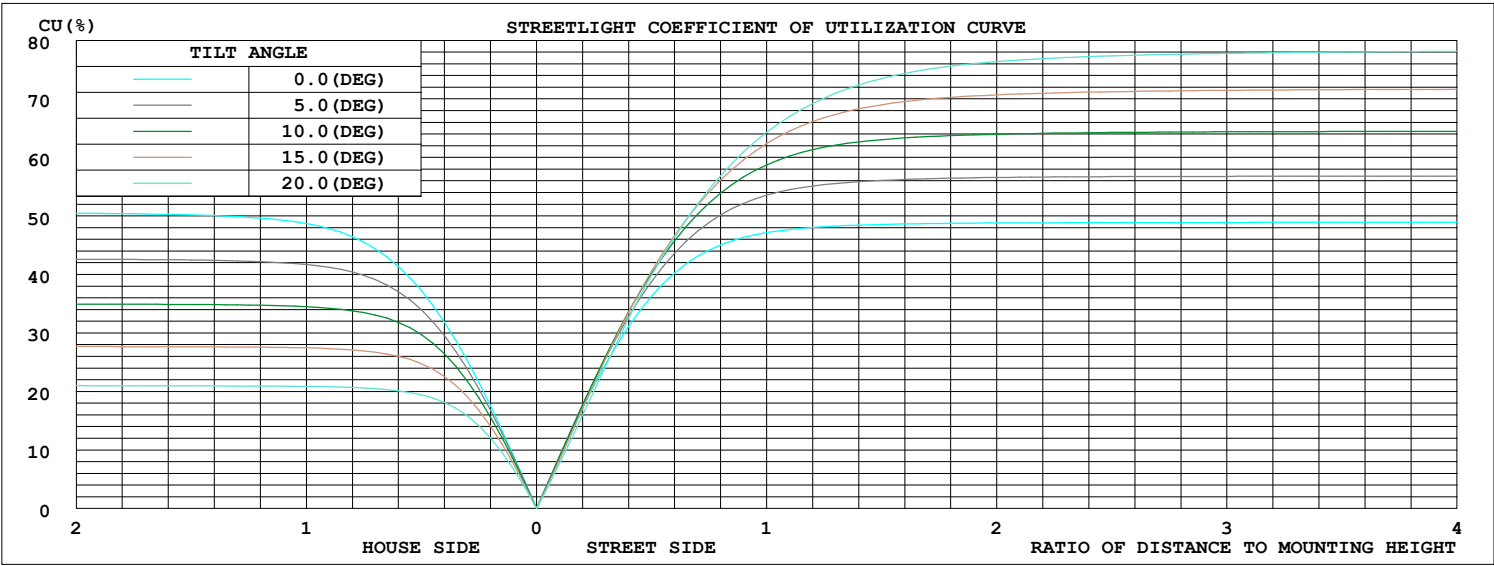
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Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 26.06 lx



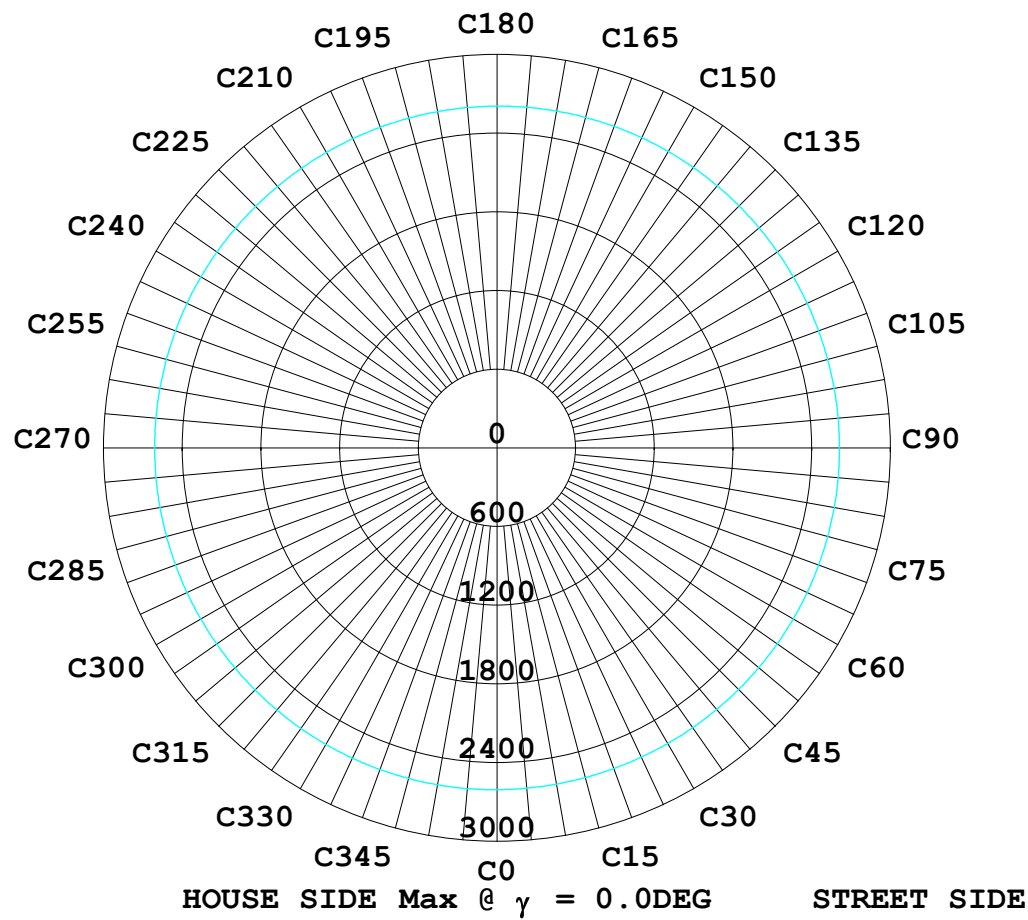
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-23-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.600 m
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: XTO ZORRO	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: L-1200 D-56 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2606	2603	2608	2611	2609	2611	2606	2603	2608	2611	2609	2611
5.0	2437	2437	2506	2542	2554	2531	2557	2564	2565	2559	2507	2479
10.0	2147	2170	2334	2447	2407	2288	2312	2361	2433	2461	2322	2213
15.0	1880	1877	2118	2336	2223	1992	2024	2086	2243	2340	2110	1929
20.0	1656	1615	1867	2168	2007	1713	1772	1823	2004	2187	1866	1673
25.0	1415	1362	1578	1902	1711	1467	1549	1579	1730	1967	1578	1420
30.0	1172	1098	1267	1556	1382	1207	1301	1312	1412	1643	1260	1165
35.0	915	837	922	1129	1030	947	1047	1031	1041	1222	917	907
40.0	654	592	605	712	694	695	778	769	687	794	595	659
45.0	415	352	329	349	431	491	527	516	397	427	342	422
50.0	225	187	193	156	231	246	293	297	203	192	183	234
55.0	109	87.0	109	88.8	127	121	144	160	107	113	97.5	118
60.0	30.5	26.5	60.4	32.3	71.4	46.6	53.2	71.4	57.6	52.4	49.6	44.9
65.0	14.3	6.62	21.6	5.16	29.4	10.6	7.86	26.0	17.7	16.5	13.1	16.9
70.0	11.5	3.59	11.2	2.92	11.9	3.70	4.94	12.6	2.80	11.0	2.58	10.7
75.0	10.0	3.48	9.43	2.58	9.66	3.14	4.60	9.43	2.13	8.76	2.02	8.65
80.0	9.10	3.70	8.53	2.80	8.42	3.14	4.38	7.86	1.79	7.41	1.57	7.19
85.0	8.76	4.49	8.31	3.37	7.86	3.48	4.49	6.62	1.68	6.40	1.57	5.95
90.0	8.65	5.84	8.42	4.83	7.75	4.60	6.06	5.39	2.13	5.50	2.13	5.05

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