

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: CURVE SOFT 85

TYPE: 5700K CRI 90

WEIGHT:

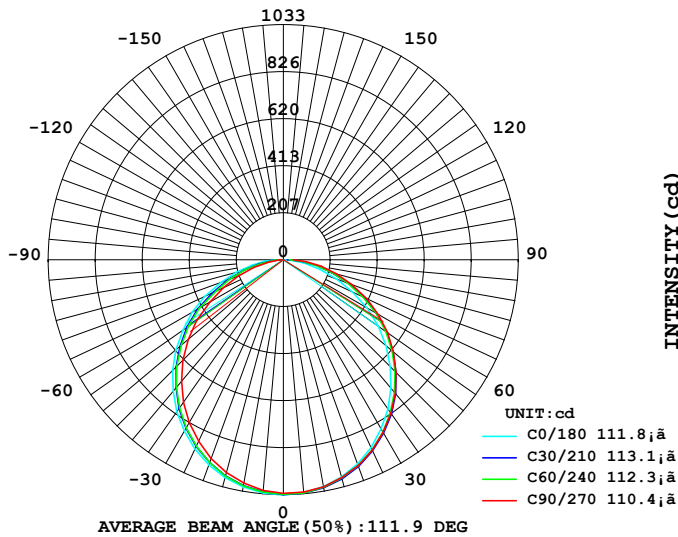
SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*84*95 MM

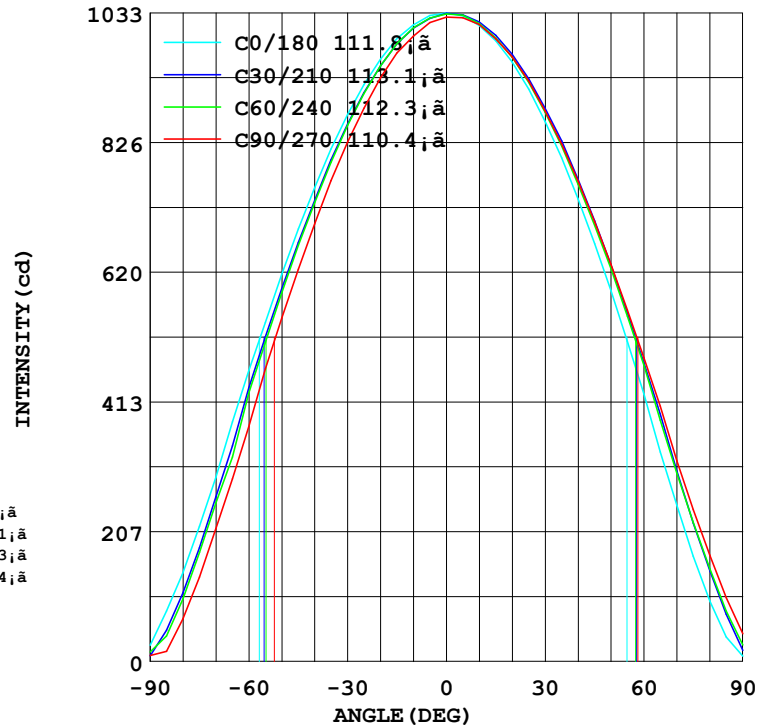
SERIAL No.:

DATA OF LAMP		Imax (cd)	1033	S/MH (C0/180)	1.25
MODEL	CURVE SOFT 85	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.21
NOMINAL POWER (W)	28	TOTAL FLUX (lm)	2892.2	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	103.7	Current (A)	0.130
NOMINAL FLUX (lm)	2892.2	η up (%)	0.0	Power (W)	27.90
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.988
TEST VOLTAGE (V)	219.7	Effective Flux (lm)	2844.9	EEI	0.134

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-26-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.200 m
 Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CURVE SOFT 85	TYPE: 5700K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:

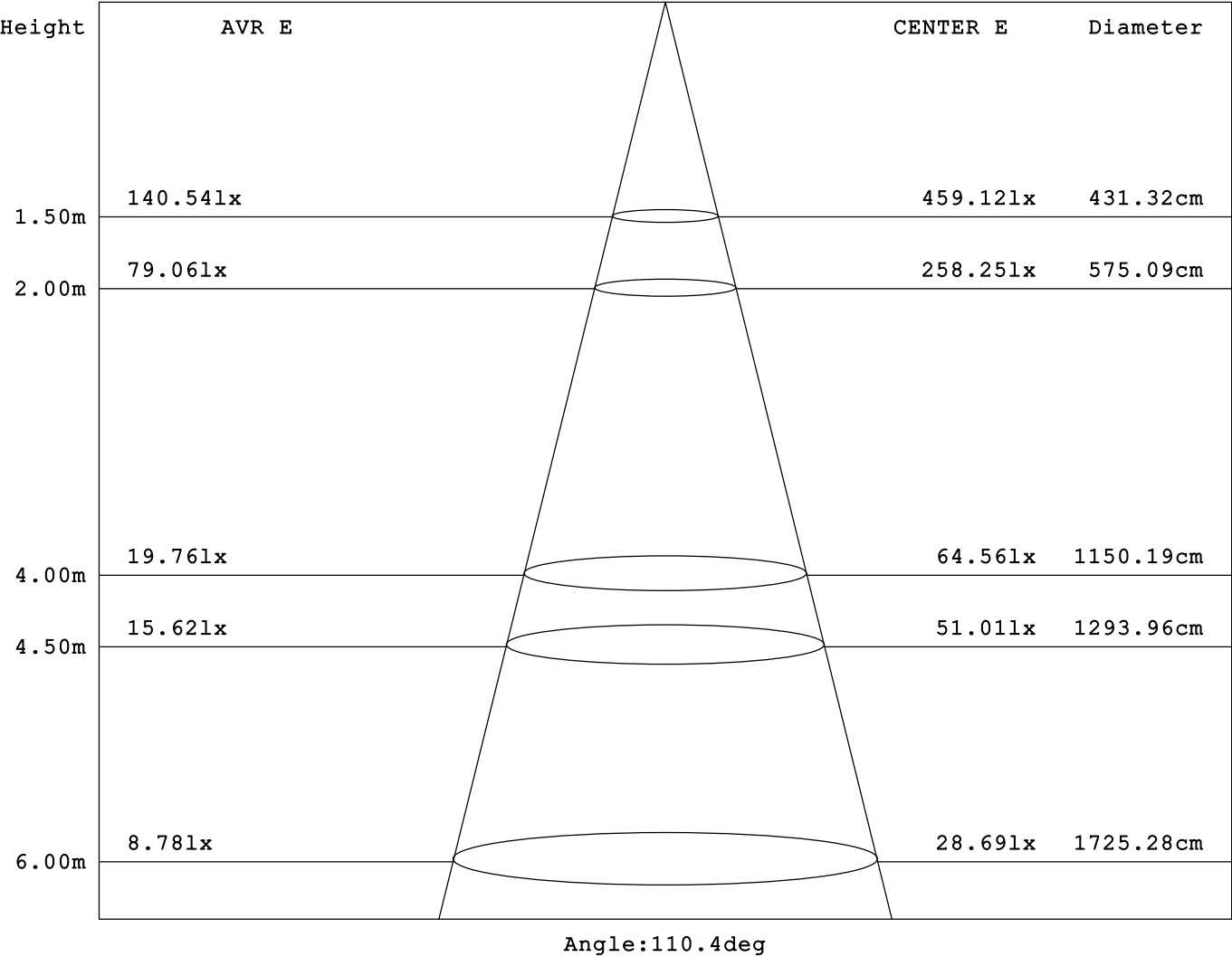
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.200 m
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AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-26-2025

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ZONAL FLUX DIAGRAM

Report number:

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SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1014	1009	996.2	979.7	1013	1017	1014	995.0	0- 10	96.70	96.70
20.0	959.2	948.6	929.8	913.1	954.6	964.8	963.0	945.0	10- 20	276.2	372.9
30.0	871.3	854.8	827.4	813.6	859.9	877.9	876.9	860.3	20- 30	416.3	789.3
40.0	754.2	732.4	696.8	684.4	736.8	763.9	765.4	750.3	30- 40	498.9	1288
50.0	616.6	590.0	546.5	538.6	590.3	628.2	632.3	621.0	40- 50	514.6	1803
60.0	462.8	431.3	374.0	375.1	425.7	473.4	483.5	474.7	50- 60	463.3	2266
70.0	292.7	256.6	211.4	211.9	248.6	301.3	319.4	314.0	60- 70	349.7	2616
80.0	140.9	103.9	67.41	73.60	95.92	145.9	169.1	166.0	70- 80	204.6	2821
90.0	25.90	12.01	9.363	11.70	8.531	21.90	44.11	43.64	80- 90	71.60	2892
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	

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Operators:
Test Date:06-26-2025

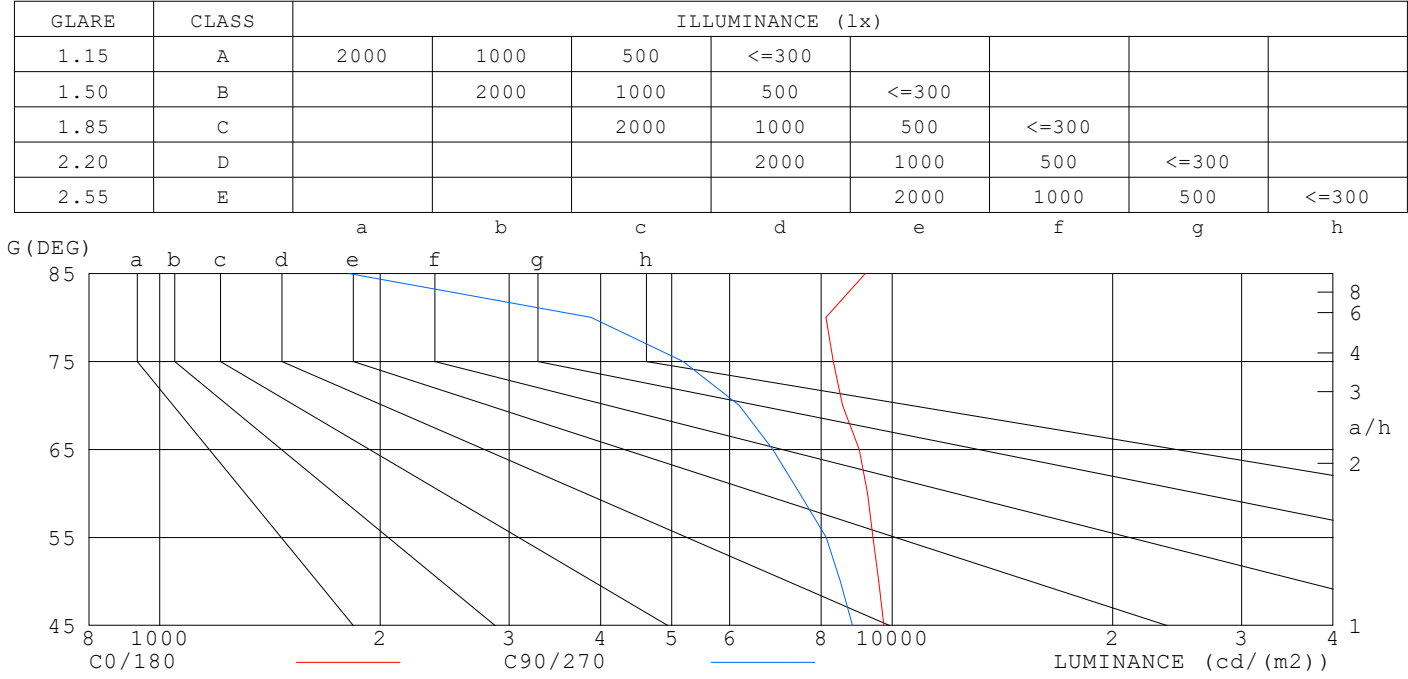
Test Set: 5.0deg/s C-Gamma (TYPE C)
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LUMINANCE LIMITATION CURVES

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SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	9192	1814
80	8118	3882
75	8313	5186
70	8560	6181
65	9022	6876
60	9257	7480
55	9412	8126
50	9593	8502
45	9740	8832

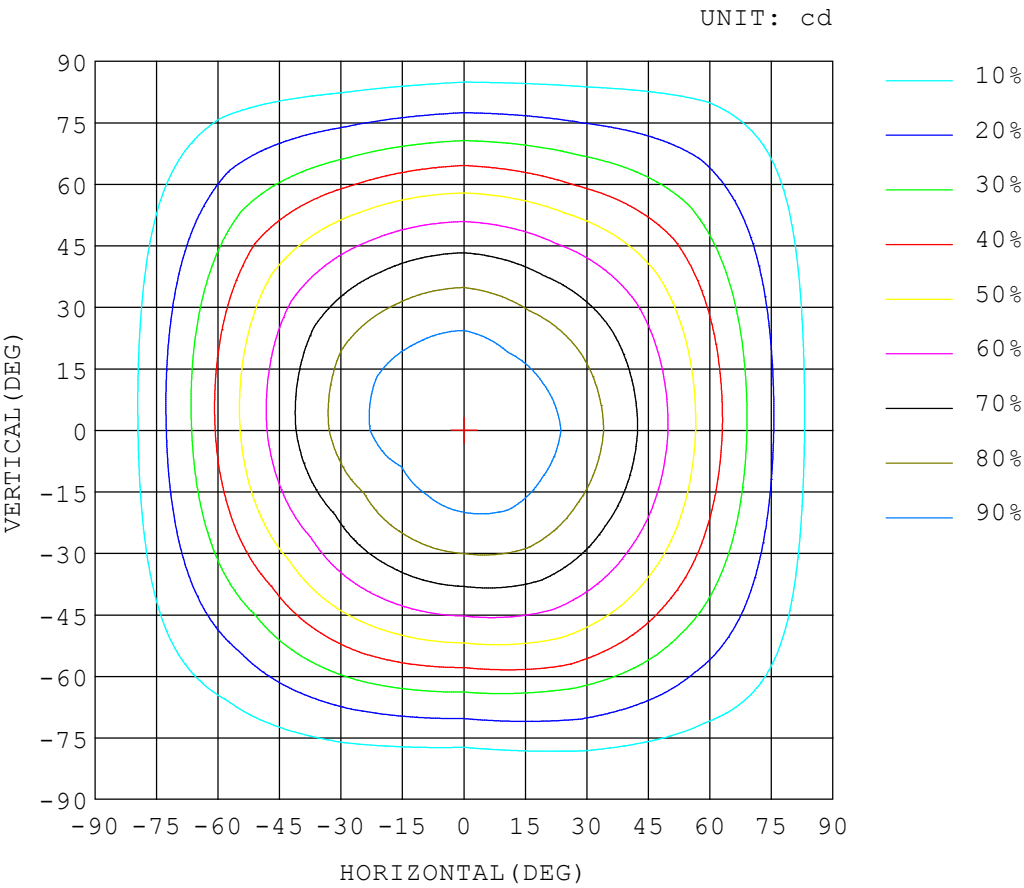
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ISOCANDELA DIAGRAM

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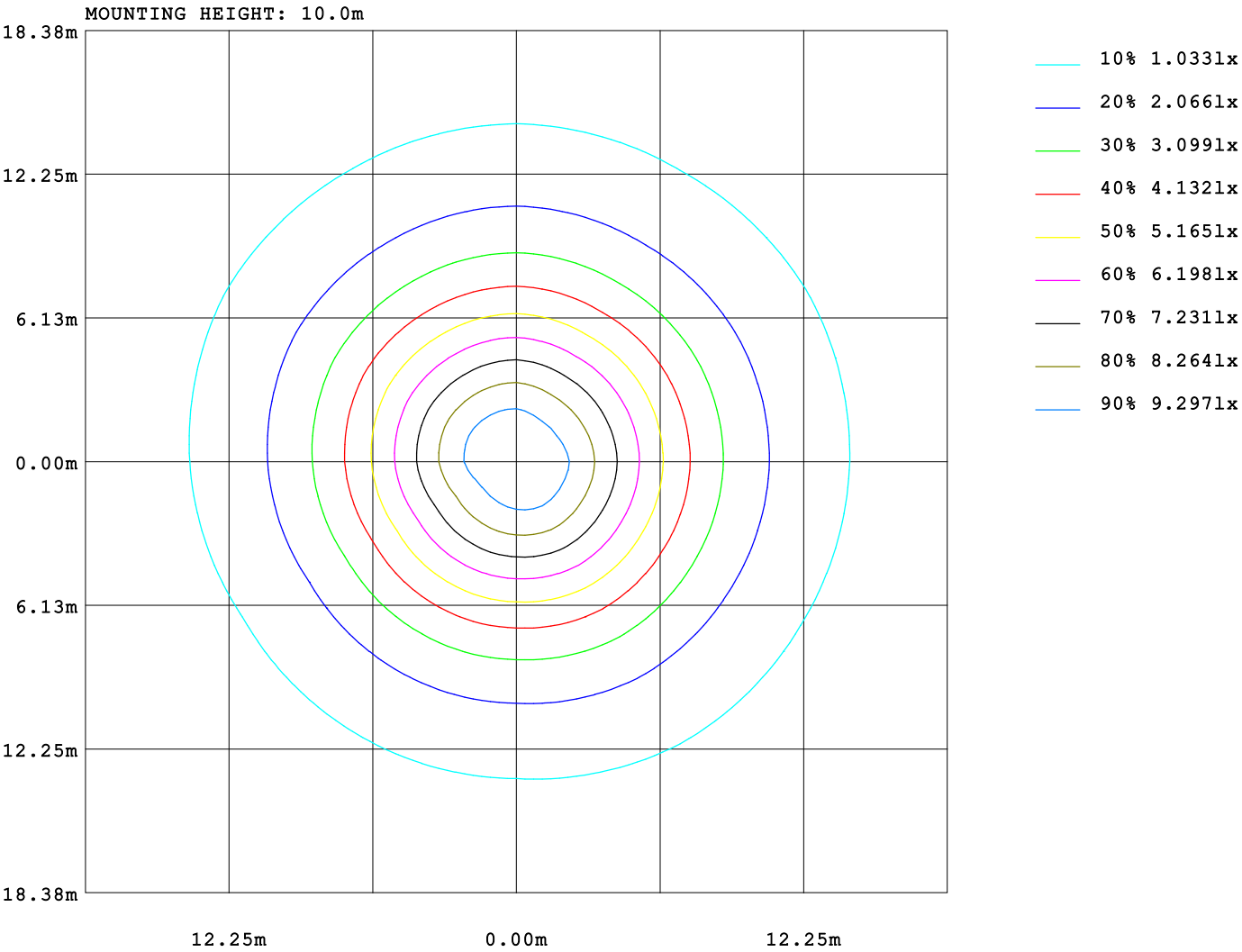
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ISOLUX DIAGRAM

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SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:



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Operators:
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Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

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SPECIFICATION: FULHAM 600 MA										DIMENSION: 1200*84*95 MM					SERIAL No.:					

90 80 70 60 50 40 30
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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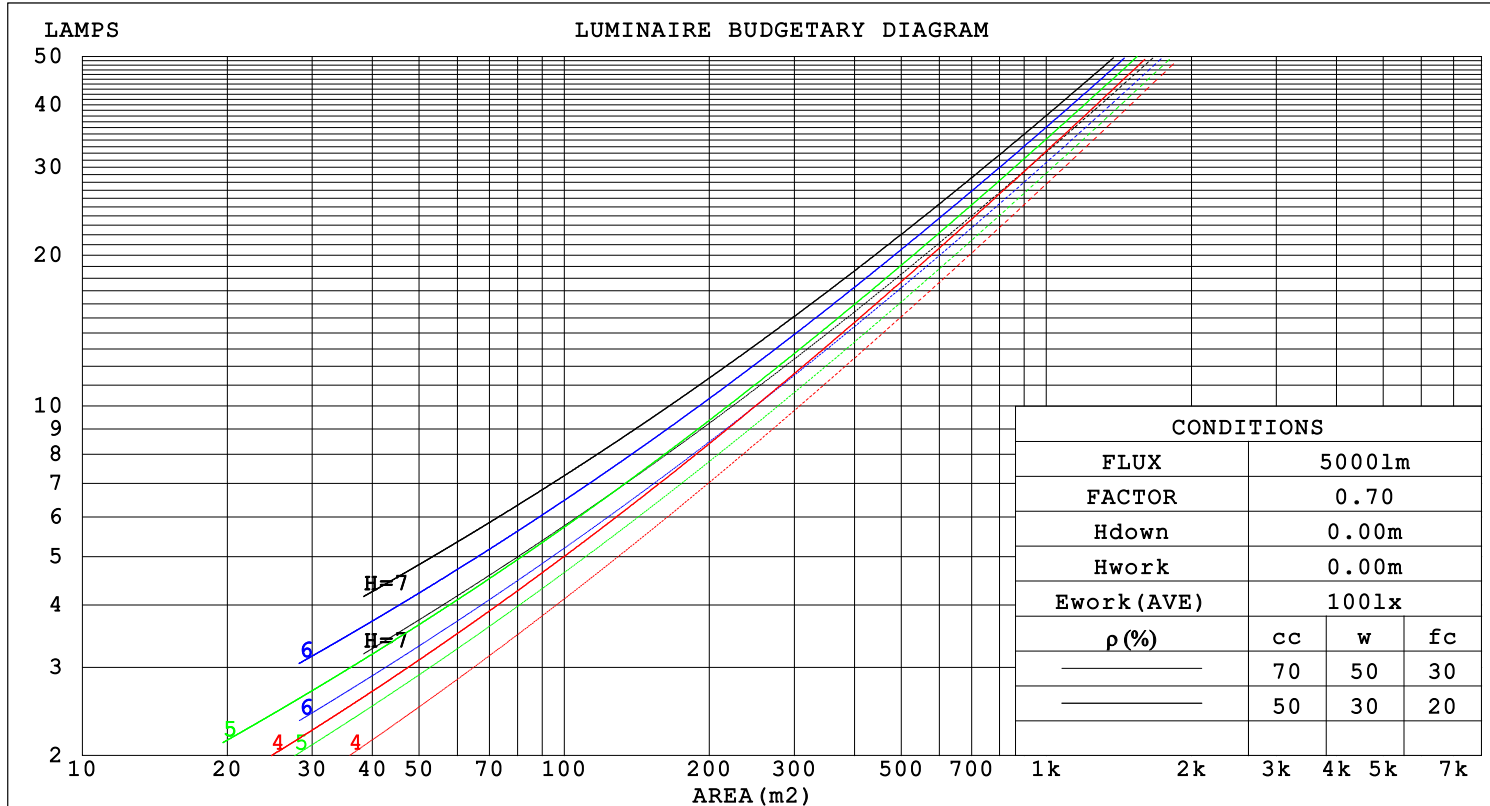
WEIGHT:

SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*84*95 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																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	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83												
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69												
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58												
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50												
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43												
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38												
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33												
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30												
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27												
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24												



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WEC AND CCEC

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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	.315	.179	.057	.308	.176	.056	.295	.169	.054	.283	.163	.052	.272	.157	.051	
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.271	.144	.043	.266	.142	.043	.256	.138	.042	.246	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.220	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.078	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.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	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
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:06-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.200 m
 Remarks: 5700K

Uncorrected UGR Table

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NAME: CURVE SOFT 85					TYPE: 5700K CRI 90			WEIGHT:			
SPECIFICATION: FULHAM 600 MA					DIMENSION: 1200*84*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	20.6	22.1	20.9	22.3	22.5	20.0	21.5	20.3	21.7	21.9
	3H	22.1	23.5	22.4	23.8	24.0	21.2	22.6	21.5	22.9	23.1
	4H	22.8	24.1	23.1	24.4	24.6	21.6	23.0	21.9	23.2	23.5
	6H	23.3	24.5	23.6	24.8	25.1	21.8	23.1	22.1	23.3	23.6
	8H	23.5	24.7	23.8	25.0	25.3	21.8	23.0	22.1	23.3	23.6
	12H	23.6	24.8	24.0	25.1	25.4	21.7	22.9	22.1	23.2	23.5
4H	2H	21.1	22.4	21.4	22.7	23.0	20.6	22.0	21.0	22.2	22.5
	3H	22.8	24.0	23.1	24.3	24.6	22.1	23.3	22.4	23.6	23.9
	4H	23.5	24.6	23.9	24.9	25.3	22.6	23.7	23.0	24.0	24.3
	6H	24.2	25.1	24.6	25.5	25.8	22.9	23.9	23.3	24.2	24.6
	8H	24.4	25.3	24.8	25.7	26.1	22.9	23.8	23.3	24.1	24.5
	12H	24.7	25.5	25.1	25.9	26.3	22.9	23.7	23.3	24.1	24.5
8H	4H	23.7	24.6	24.1	25.0	25.4	22.9	23.8	23.3	24.2	24.5
	6H	24.5	25.2	24.9	25.6	26.0	23.3	24.0	23.7	24.4	24.9
	8H	24.8	25.5	25.3	25.9	26.3	23.3	24.0	23.8	24.4	24.9
	12H	25.1	25.7	25.6	26.1	26.6	23.4	23.9	23.8	24.4	24.9
12H	4H	23.7	24.5	24.1	24.9	25.3	22.9	23.7	23.3	24.1	24.5
	6H	24.5	25.1	24.9	25.6	26.0	23.3	24.0	23.8	24.4	24.9
	8H	24.9	25.4	25.3	25.9	26.3	23.4	24.0	23.9	24.4	24.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.4 / - 0.4				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.7				

CIE Pub.117 Corrected 2892 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

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UTILIZATION FACTORS TABLE

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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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

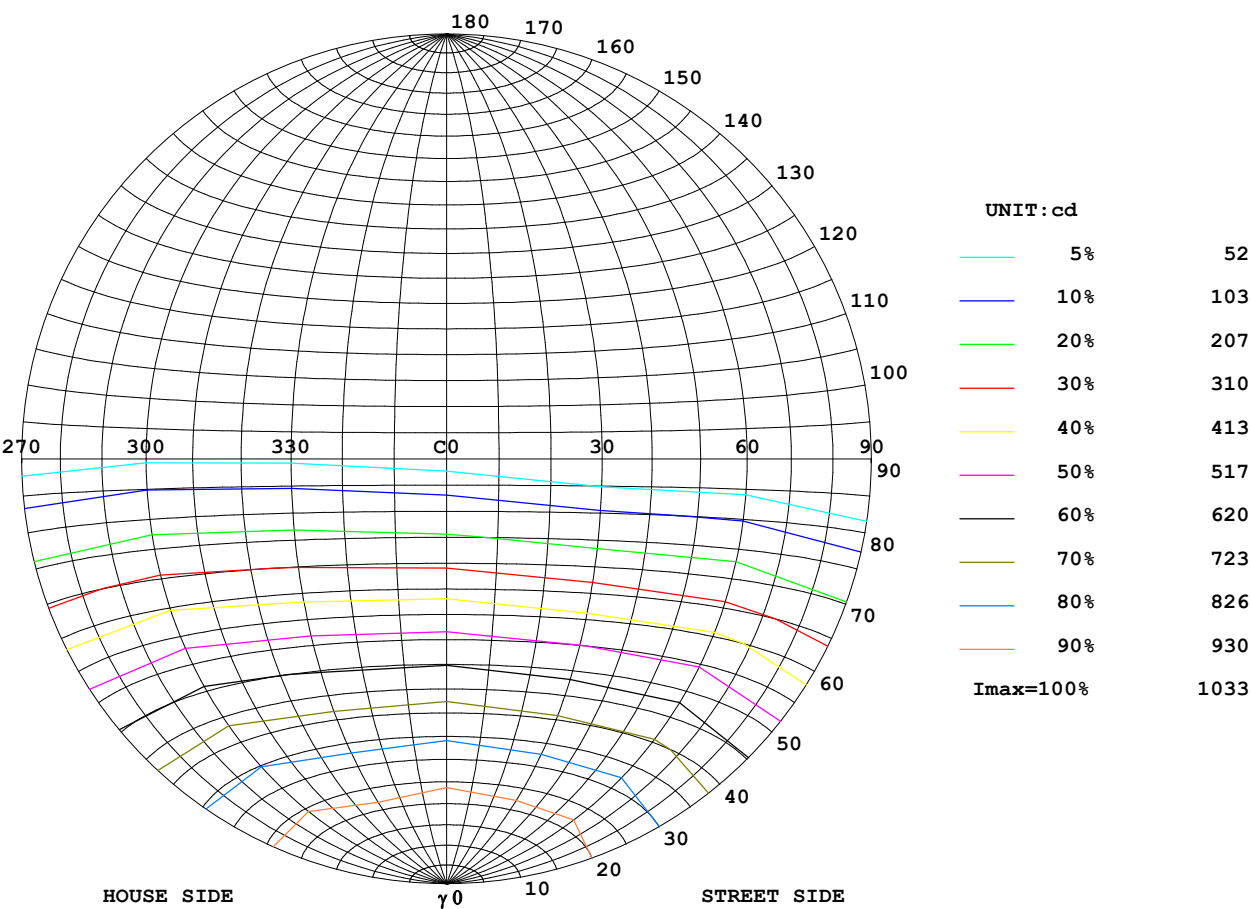
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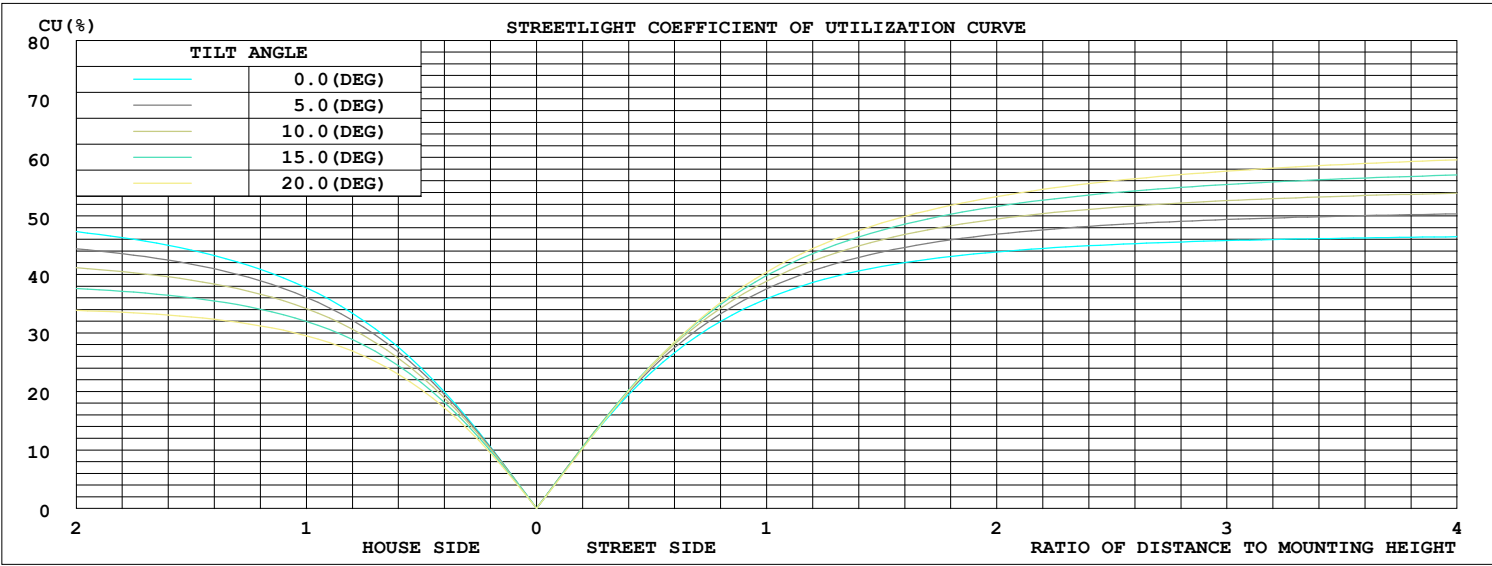
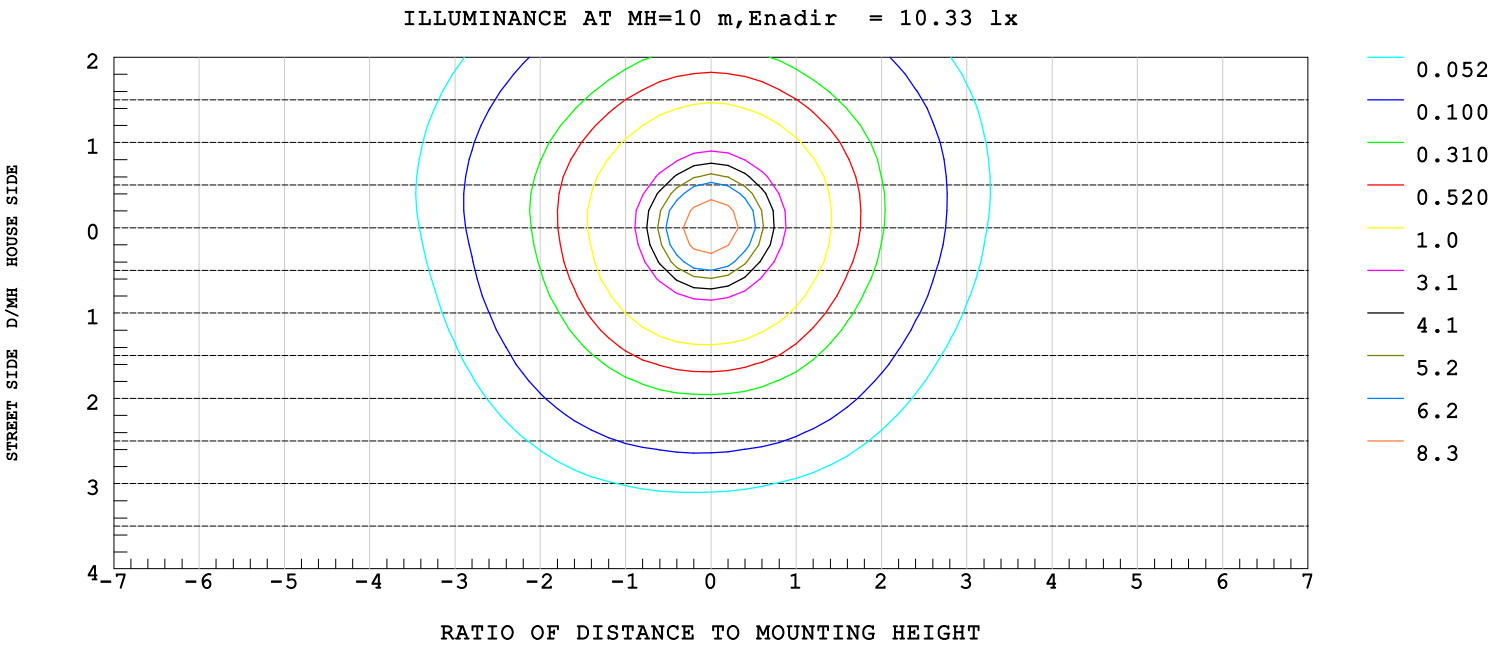
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NAME: CURVE SOFT 85	TYPE: 5700K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:



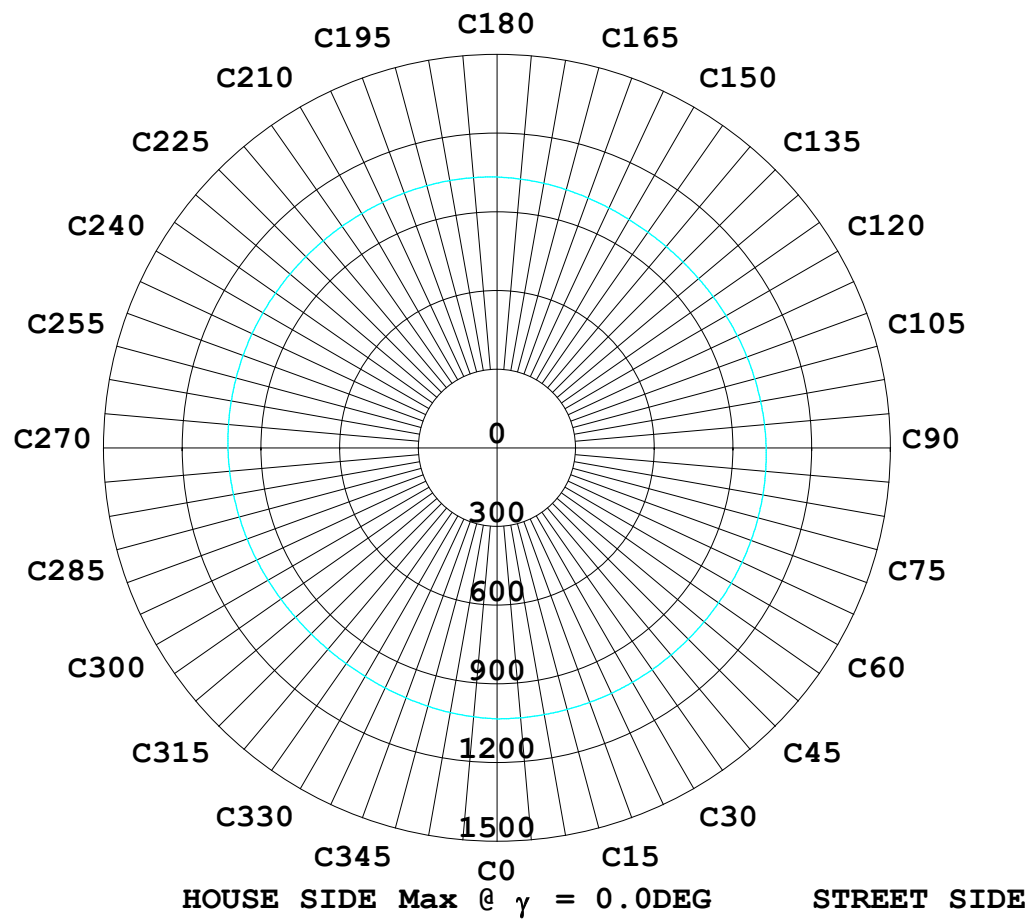
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.200 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CURVE SOFT 85	TYPE: 5700K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:



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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CURVE SOFT 85	TYPE: 5700K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*84*95 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1033	1032	1031	1026	1009	1006	1033	1032	1031	1026	1009	1006
5.0	1029	1024	1025	1018	1000	997	1028	1030	1029	1025	1007	1006
10.0	1014	1009	1010	996	982	978	1013	1018	1016	1014	995	995
15.0	992	984	984	969	953	949	988	997	993	992	973	976
20.0	959	949	949	930	916	911	955	967	962	963	943	947
25.0	919	906	904	881	870	864	911	928	922	924	904	909
30.0	871	856	854	827	816	811	860	881	875	877	857	864
35.0	816	799	795	766	755	750	802	829	821	824	804	813
40.0	754	734	731	697	686	683	737	768	760	765	745	755
45.0	689	667	663	625	617	612	665	701	695	700	681	693
50.0	617	593	587	547	541	536	590	631	625	632	615	627
55.0	540	517	508	466	461	458	510	555	550	560	543	556
60.0	463	435	427	374	382	368	426	475	472	484	468	481
65.0	381	343	325	291	294	286	334	394	384	406	385	406
70.0	293	262	252	211	215	209	249	303	300	319	308	320
75.0	215	181	173	134	142	134	167	220	221	242	233	243
80.0	141	109	99.1	67.4	76.7	70.4	95.9	144	148	169	162	170
85.0	80.1	49.7	40.6	15.8	21.0	14.8	38.8	75.0	80.3	102	97.3	103
90.0	25.9	9.15	14.8	9.36	14.2	9.15	8.53	17.3	26.4	44.1	43.2	44.0

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