

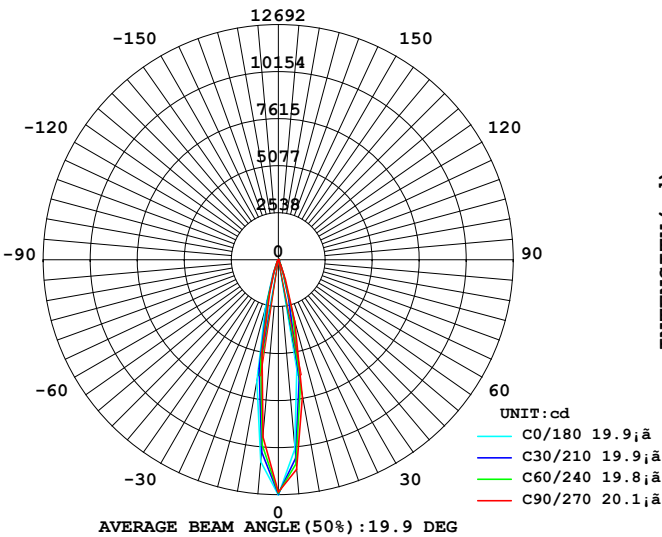
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

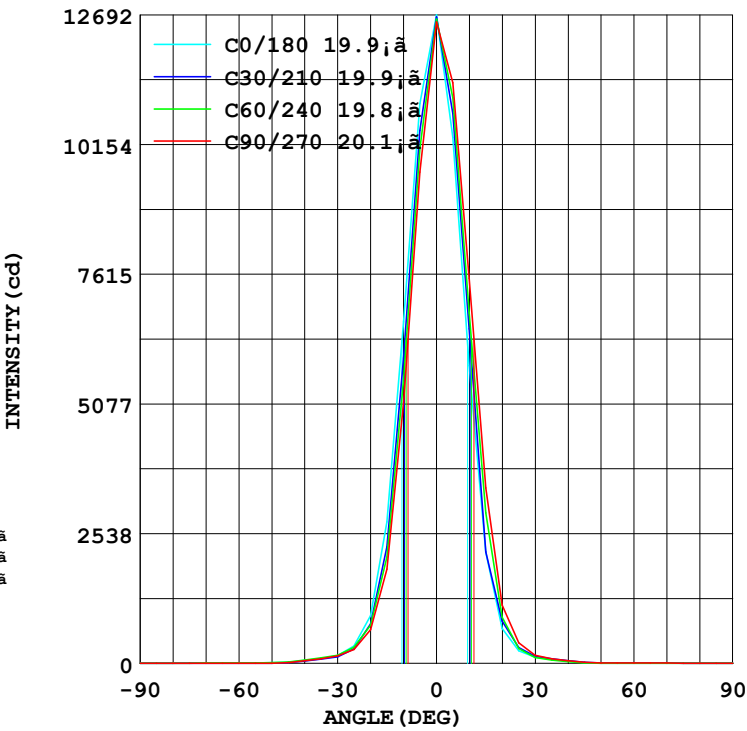
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	12692	S/MH (C0/180)	0.35
MODEL	FLEXION 95	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.30
NOMINAL POWER (W)	20	TOTAL FLUX (lm)	1963.3	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	100.2	Current (A)	0.088
NOMINAL FLUX (lm)	1963.4	η up (%)	0.0	Power (W)	19.60
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.996
TEST VOLTAGE (V)	219.7	Effictive Flux(lm)	1652.3	EEI	0.162

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

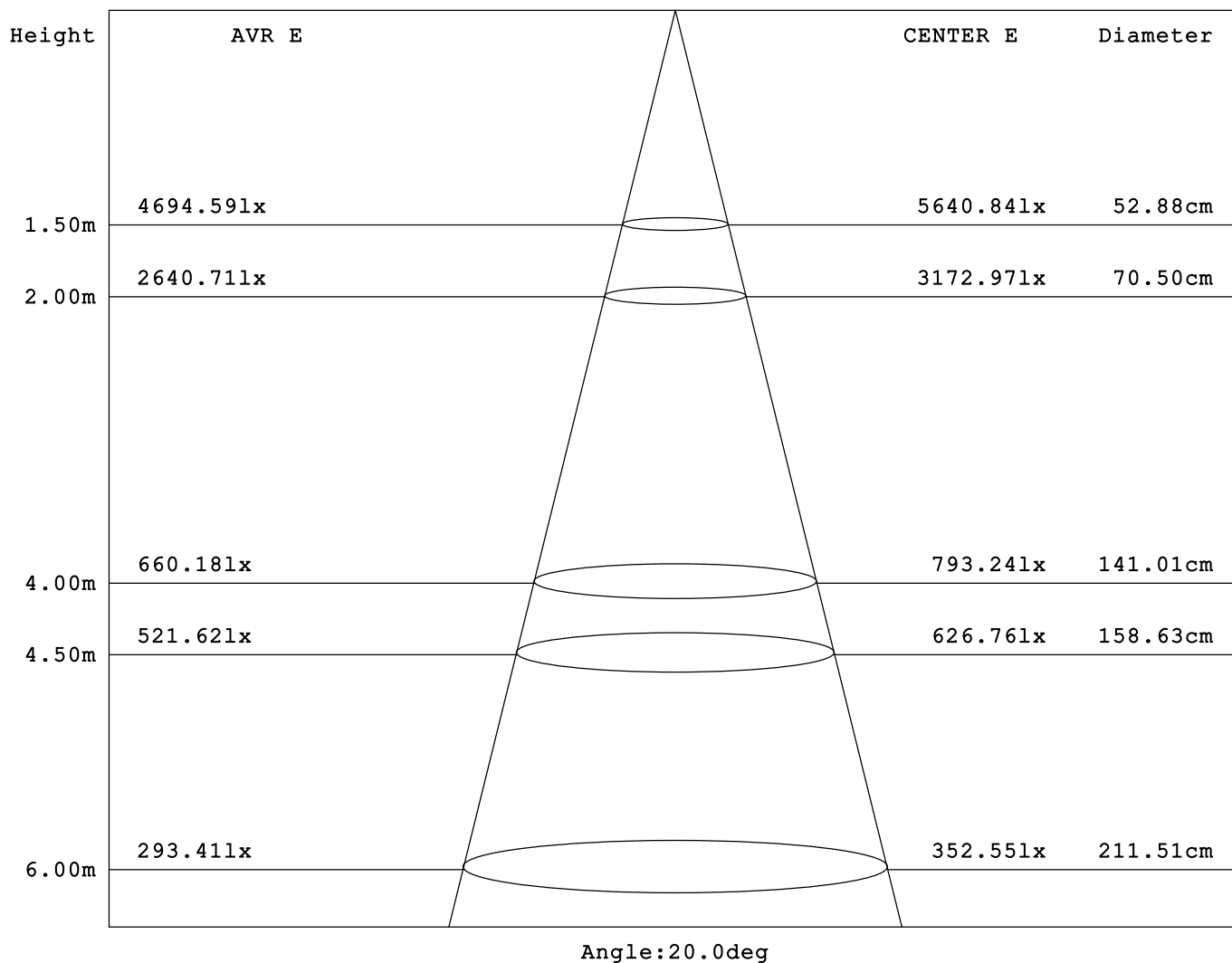
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.000 m
 Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	668.5	576.4	510.2	504.2	582.6	670.7	753.5	759.8	0- 10	878.9	878.9
20.0	93.45	76.24	66.30	64.52	68.38	86.48	113.9	116.4	10- 20	806.5	1686
30.0	15.39	14.62	14.72	14.56	12.01	13.06	16.00	15.92	20- 30	182.1	1868
40.0	5.937	5.718	5.289	5.597	4.414	4.430	5.078	4.884	30- 40	58.31	1926
50.0	1.296	0.842	0.397	0.834	0.437	0.749	1.206	0.757	40- 50	18.61	1945
60.0	0.859	0.506	0.170	0.486	0.292	0.490	0.826	0.490	50- 60	5.626	1950
70.0	0.689	0.421	0.170	0.413	0.308	0.413	0.664	0.421	60- 70	4.625	1955
80.0	0.591	0.381	0.186	0.369	0.340	0.373	0.551	0.369	70- 80	4.308	1959
90.0	0.518	0.397	0.275	0.385	0.478	0.348	0.470	0.352	80- 90	4.177	1963
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: μ Å10cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	632	242
80	341	107
75	244	69
70	201	50
65	182	40
60	172	34
55	177	38
50	202	62
45	353	225

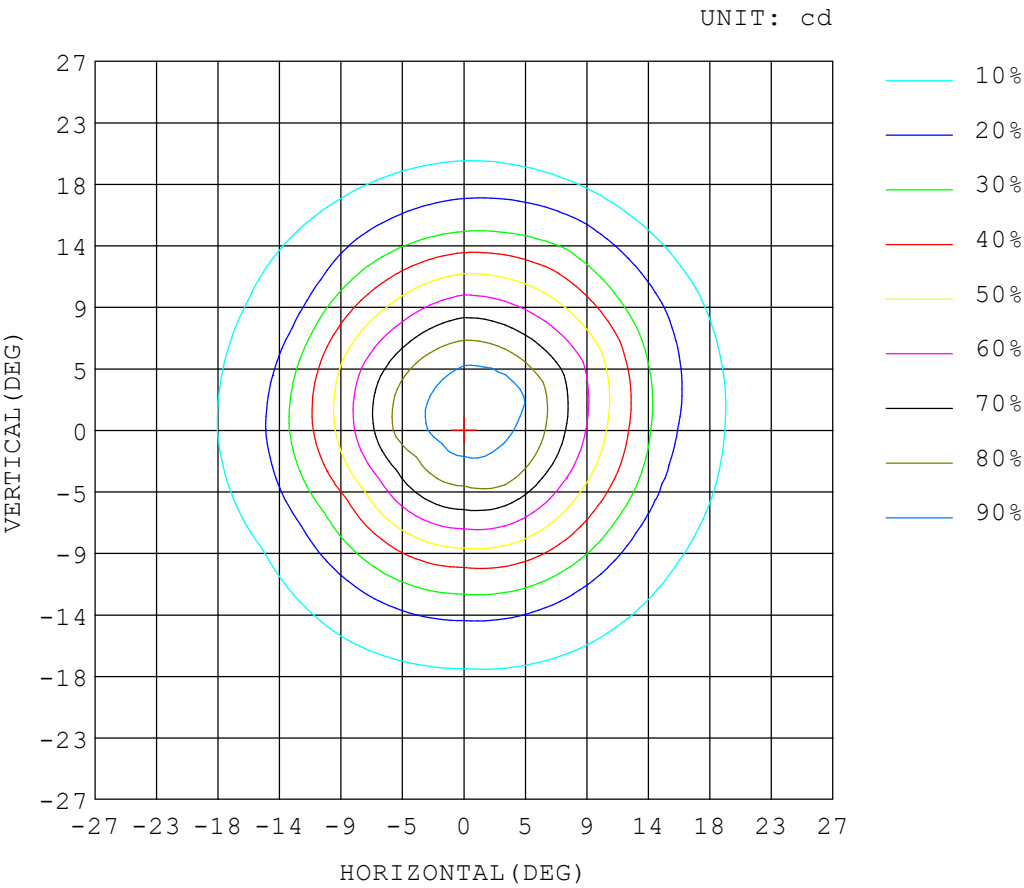
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

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

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:



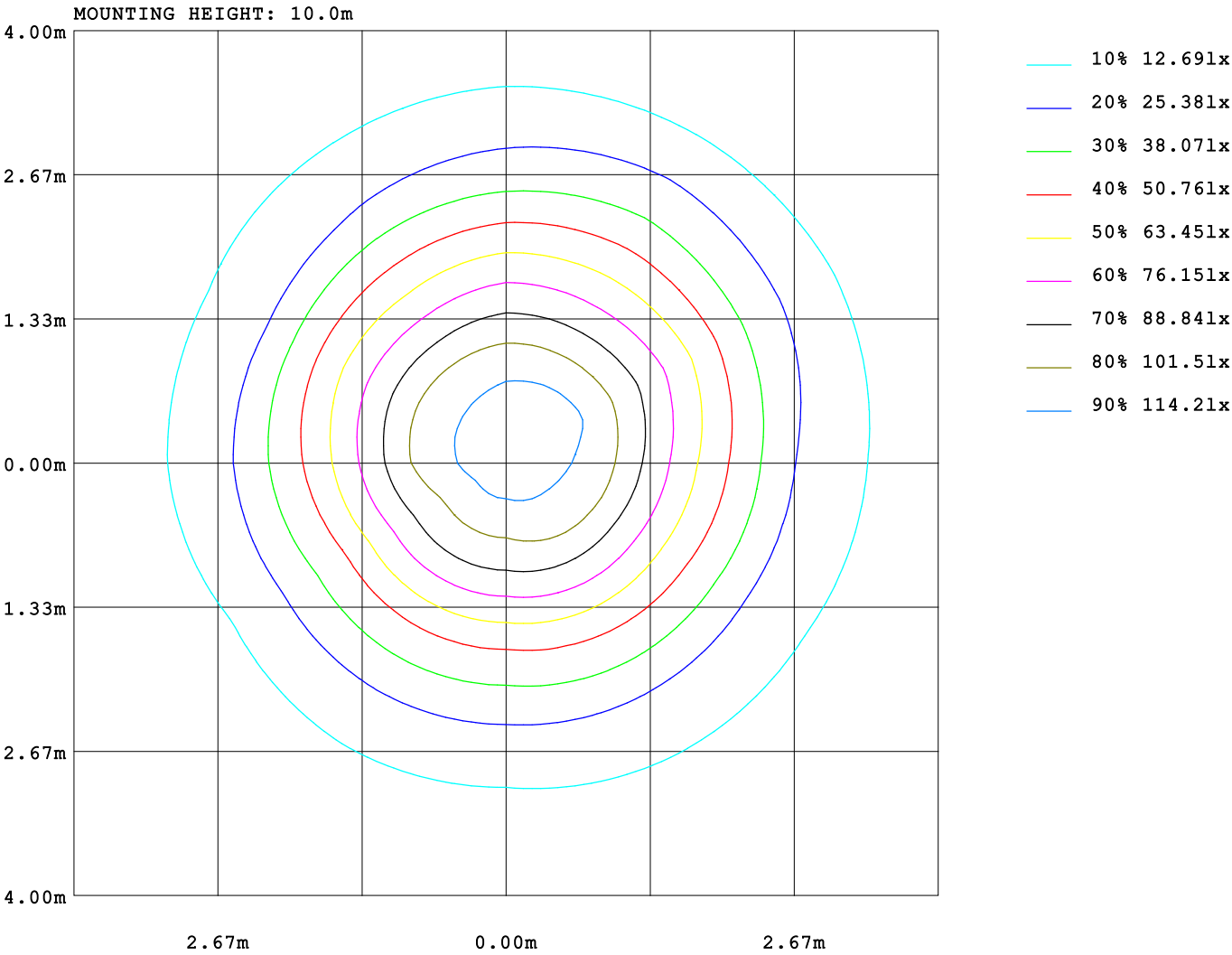
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:



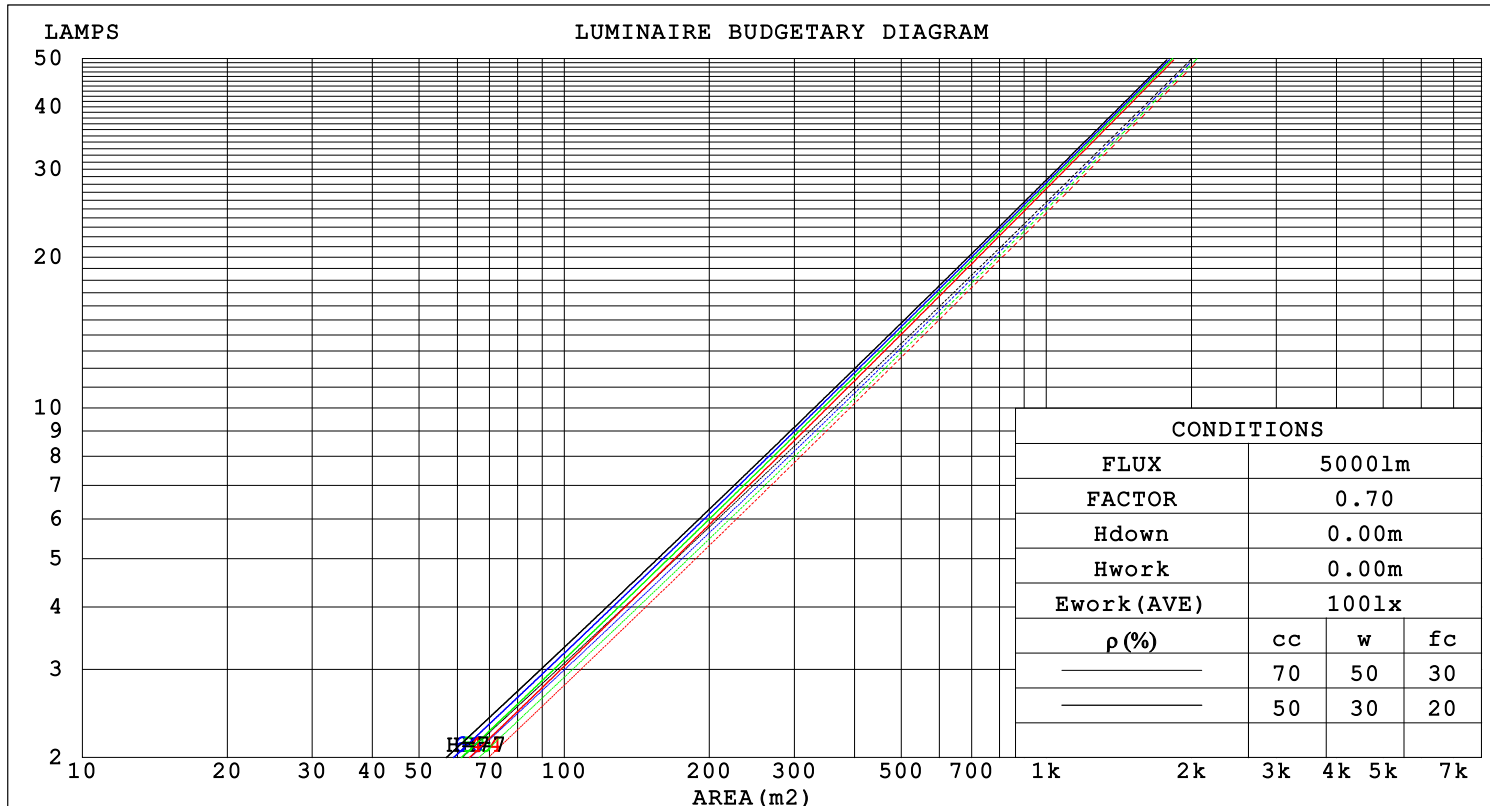
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

Report number:

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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.99	.97														
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.03	1.01	.00	1.01	.99	.98	.98	.97	.96	.94														
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92														
4.0	1.00	.97	.94	.99	.96	.93	.97	.95	.92	.96	.93	.91	.94	.92	.90	.89														
5.0	.97	.93	.91	.96	.93	.90	.95	.92	.89	.93	.91	.89	.92	.90	.88	.87														
6.0	.94	.90	.88	.94	.90	.87	.92	.89	.87	.91	.88	.86	.90	.88	.86	.85														
7.0	.92	.88	.85	.91	.88	.85	.90	.87	.85	.89	.86	.84	.88	.86	.84	.83														
8.0	.89	.86	.83	.89	.85	.83	.88	.85	.83	.87	.84	.82	.86	.84	.82	.81														
9.0	.87	.83	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.85	.82	.80	.79														
10.0	.85	.82	.79	.85	.81	.79	.84	.81	.79	.84	.81	.79	.83	.80	.79	.78														



Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: FLEXION 95							TYPE: 5700K CRI-90					WEIGHT:		
SPECIFICATION: FULHAM 500 MA							DIMENSION: D-106 CUTOUT-95 H-125 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	.133	.075	.024	.126	.072	.023	.114	.065	.021	.102	.059	.019	.092	.053	.017	
2.0	.121	.066	.020	.116	.064	.020	.106	.059	.018	.096	.054	.017	.088	.050	.016	
3.0	.112	.060	.018	.108	.058	.017	.099	.054	.016	.091	.050	.015	.084	.047	.014	
4.0	.104	.054	.016	.100	.053	.016	.093	.049	.015	.087	.047	.014	.081	.044	.013	
5.0	.097	.050	.014	.094	.048	.014	.088	.046	.014	.083	.044	.013	.077	.041	.012	
6.0	.092	.046	.013	.089	.045	.013	.084	.043	.013	.079	.041	.012	.075	.039	.012	
7.0	.087	.043	.012	.084	.042	.012	.080	.040	.012	.076	.039	.011	.072	.037	.011	
8.0	.082	.040	.011	.080	.040	.011	.076	.038	.011	.073	.037	.011	.069	.036	.010	
9.0	.078	.038	.011	.077	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010	
10.0	.075	.036	.010	.073	.035	.010	.070	.034	.010	.067	.033	.010	.065	.033	.009	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.119	.128	.114	.103	.088	.079	.072	.051	.046	.042	.016	.015	.014	
3.0	.134	.113	.097	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.121	.098	.080	.104	.084	.069	.071	.059	.049	.041	.034	.029	.013	.011	.010	
5.0	.110	.085	.067	.095	.074	.058	.065	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.101	.075	.057	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.093	.067	.049	.080	.058	.042	.055	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.086	.060	.042	.074	.052	.037	.051	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.080	.054	.036	.069	.047	.032	.048	.033	.023	.028	.020	.013	.009	.006	.004	
10.0	.075	.049	.032	.065	.043	.028	.045	.030	.020	.026	.018	.012	.009	.006	.004	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.000 m
 Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: FLEXION 95					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION: FULHAM 500 MA					DIMENSION: D-106 CUTOUT-95 H-125 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	-2.8	-2.2	-2.6	-2.1	-1.9	-2.0	-1.4	-1.8	-1.3	-1.2
	3H	-2.2	-1.6	-2.0	-1.4	-1.3	-1.9	-1.3	-1.6	-1.1	-0.9
	4H	-1.5	-1.0	-1.2	-0.8	-0.6	-1.7	-1.1	-1.4	-0.9	-0.7
	6H	-0.4	0.1	-0.1	0.3	0.6	-1.4	-0.9	-1.2	-0.7	-0.5
	8H	0.3	0.8	0.6	1.1	1.3	-1.3	-0.8	-1.0	-0.5	-0.3
	12H	1.3	1.8	1.6	2.0	2.3	-1.0	-0.5	-0.6	-0.2	0.0
4H	2H	-2.8	-2.3	-2.6	-2.1	-1.9	-2.1	-1.5	-1.8	-1.3	-1.1
	3H	-2.2	-1.7	-1.9	-1.4	-1.2	-1.5	-1.0	-1.2	-0.7	-0.5
	4H	-1.4	-0.9	-1.0	-0.7	-0.4	-1.0	-0.5	-0.6	-0.2	0.1
	6H	-0.0	0.3	0.3	0.7	1.0	-0.4	0.0	-0.0	0.4	0.7
	8H	0.9	1.2	1.3	1.6	2.0	-0.0	0.3	0.4	0.7	1.1
	12H	2.1	2.4	2.5	2.8	3.2	0.5	0.8	0.9	1.2	1.6
8H	4H	-1.1	-0.8	-0.7	-0.4	-0.1	-0.7	-0.3	-0.3	0.0	0.4
	6H	0.2	0.5	0.6	0.9	1.3	0.5	0.8	0.9	1.2	1.6
	8H	1.2	1.5	1.7	1.9	2.3	1.2	1.5	1.7	1.9	2.3
	12H	2.7	2.9	3.2	3.4	3.8	2.1	2.3	2.6	2.8	3.2
12H	4H	-1.0	-0.6	-0.6	-0.3	0.1	-0.7	-0.4	-0.3	0.0	0.4
	6H	0.4	0.7	0.9	1.1	1.5	0.6	0.9	1.0	1.3	1.7
	8H	1.4	1.7	1.9	2.1	2.6	1.6	1.8	2.0	2.3	2.7
Variations with the observer position at spacings:											
S = 1.0H		+ 1.4 / - 1.0					+ 1.1 / - 1.1				
1.5H		+ 2.8 / - 1.2					+ 2.5 / - 1.2				
2.0H		+ 1.6 / - 0.5					+ 0.6 / - 0.6				

CIE Pub.117 Corrected 1963 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.3)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
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Test Distance:9.000 m
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UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 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) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

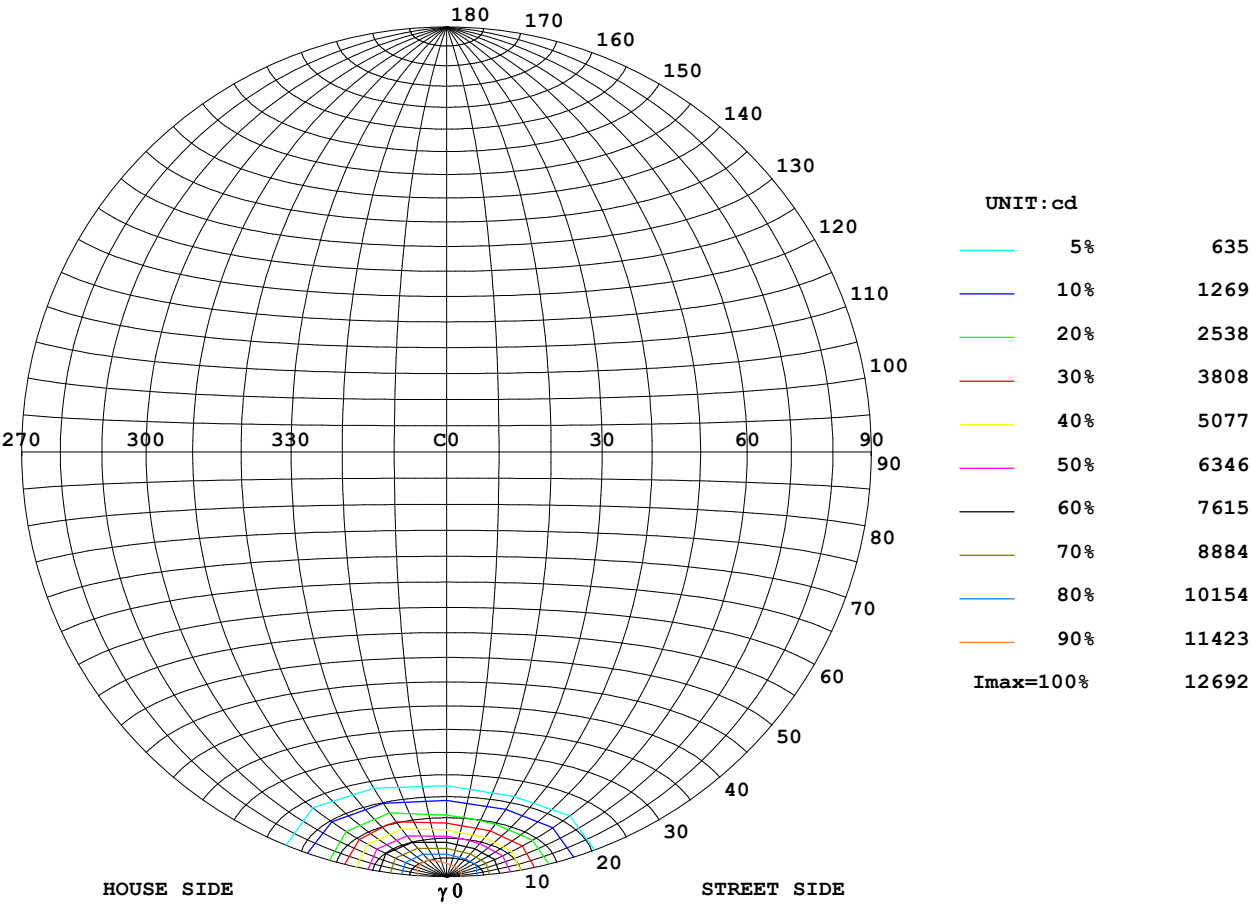
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ISOCANDELA DIAGRAM

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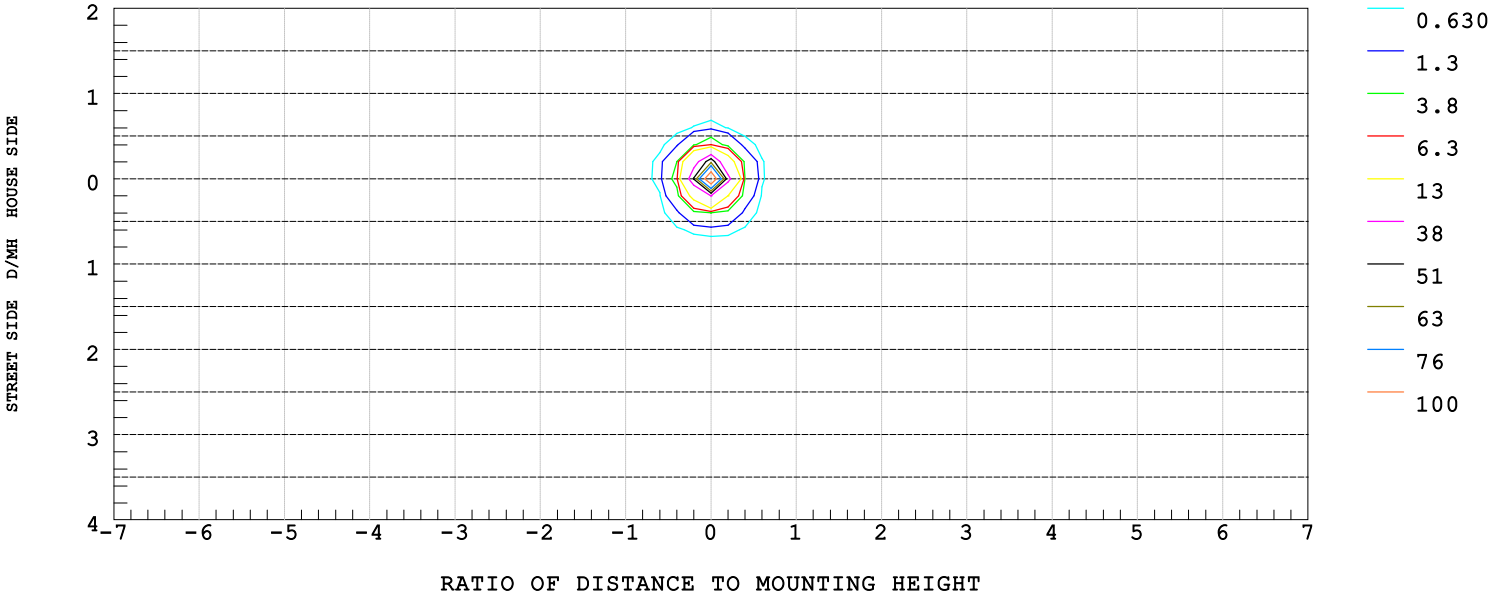
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ISOLUX DIAGRAM

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NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 126.92 lx



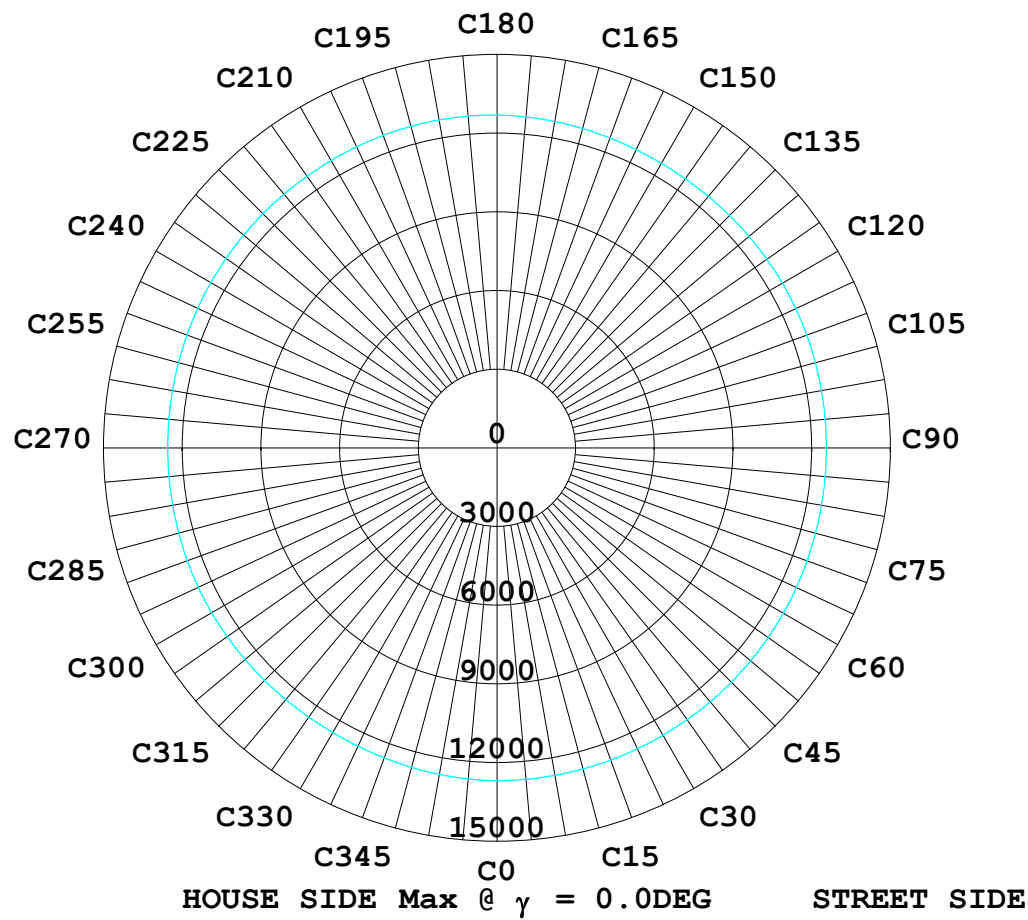
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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-17-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.000 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FLEXION 95	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 500 MA	DIMENSION: D-106 CUTOUT-95 H-125 MM	SERIAL No.:

UNIT: ;Å10cd

C (DEG)												
γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1269	1265	1260	1255	1257	1253	1269	1265	1260	1255	1257	1253
5.0	1095	1043	1007	961	958	954	1029	1076	1107	1136	1146	1151
10.0	669	598	555	510	508	501	583	655	687	754	752	767
15.0	277	228	208	185	185	174	217	218	294	343	392	354
20.0	93.4	77.3	75.1	66.3	69.3	59.6	68.3	82.7	90.2	114	115	118
25.0	34.0	28.2	31.6	27.3	31.0	23.7	24.5	30.8	29.1	40.3	39.6	41.9
30.0	15.3	13.0	16.2	14.7	16.9	12.2	12.0	14.3	11.8	16.0	14.7	17.0
35.0	10.0	8.39	10.7	9.23	11.1	8.32	8.04	9.10	6.78	8.93	7.54	9.76
40.0	5.93	4.72	6.71	5.28	6.73	4.45	4.41	5.33	3.52	5.07	3.81	5.95
45.0	2.49	1.35	2.76	1.58	2.71	1.19	1.36	2.36	1.08	2.29	1.15	2.61
50.0	1.29	0.35	1.33	0.40	1.33	0.33	0.44	1.23	0.27	1.20	0.26	1.25
55.0	1.01	0.22	1.00	0.22	0.99	0.19	0.32	0.96	0.18	0.96	0.18	0.99
60.0	0.86	0.18	0.83	0.17	0.82	0.15	0.29	0.82	0.16	0.83	0.15	0.83
65.0	0.77	0.18	0.74	0.17	0.73	0.16	0.30	0.72	0.16	0.73	0.16	0.75
70.0	0.69	0.18	0.66	0.17	0.66	0.17	0.31	0.66	0.17	0.66	0.17	0.67
75.0	0.63	0.20	0.61	0.18	0.60	0.17	0.32	0.60	0.18	0.60	0.17	0.61
80.0	0.59	0.20	0.56	0.19	0.55	0.19	0.34	0.56	0.19	0.55	0.18	0.56
85.0	0.55	0.22	0.53	0.21	0.52	0.20	0.36	0.52	0.19	0.51	0.19	0.52
90.0	0.52	0.29	0.50	0.28	0.49	0.28	0.48	0.46	0.23	0.47	0.23	0.47

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