

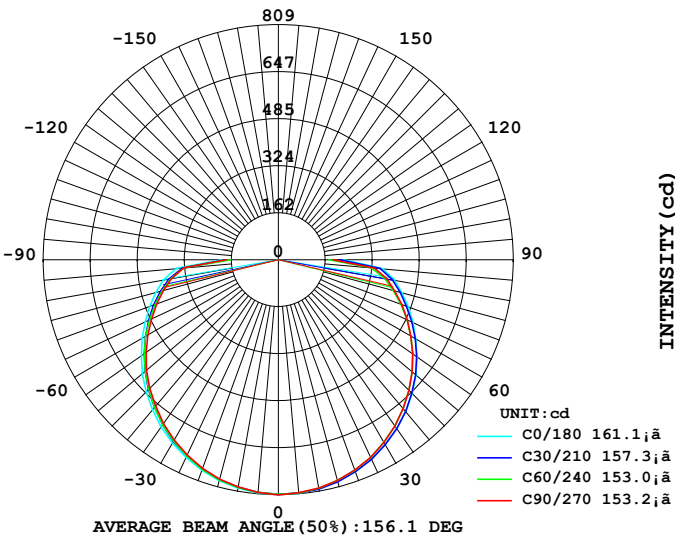
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

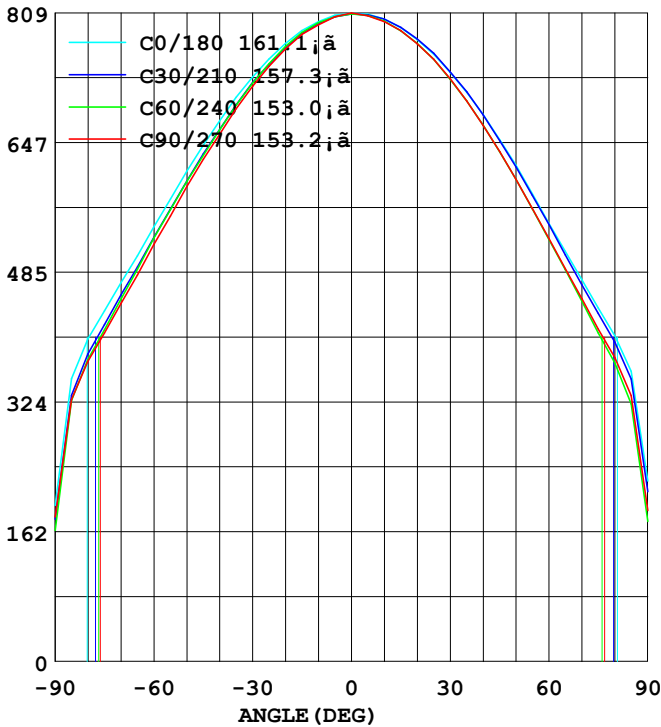
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	809.1	S/MH (C0/180)	1.35
MODEL	RING 360	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.33
NOMINAL POWER (W)	35	TOTAL FLUX (lm)	3364.6	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	95.3	Current (A)	0.156
NOMINAL FLUX (lm)	3364.7	η up (%)	0.0	Power (W)	35.29
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.989
TEST VOLTAGE (V)	219.8	Effictive Flux (lm)	3364.7	EEI	0.143

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 07-12-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 8.500 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:

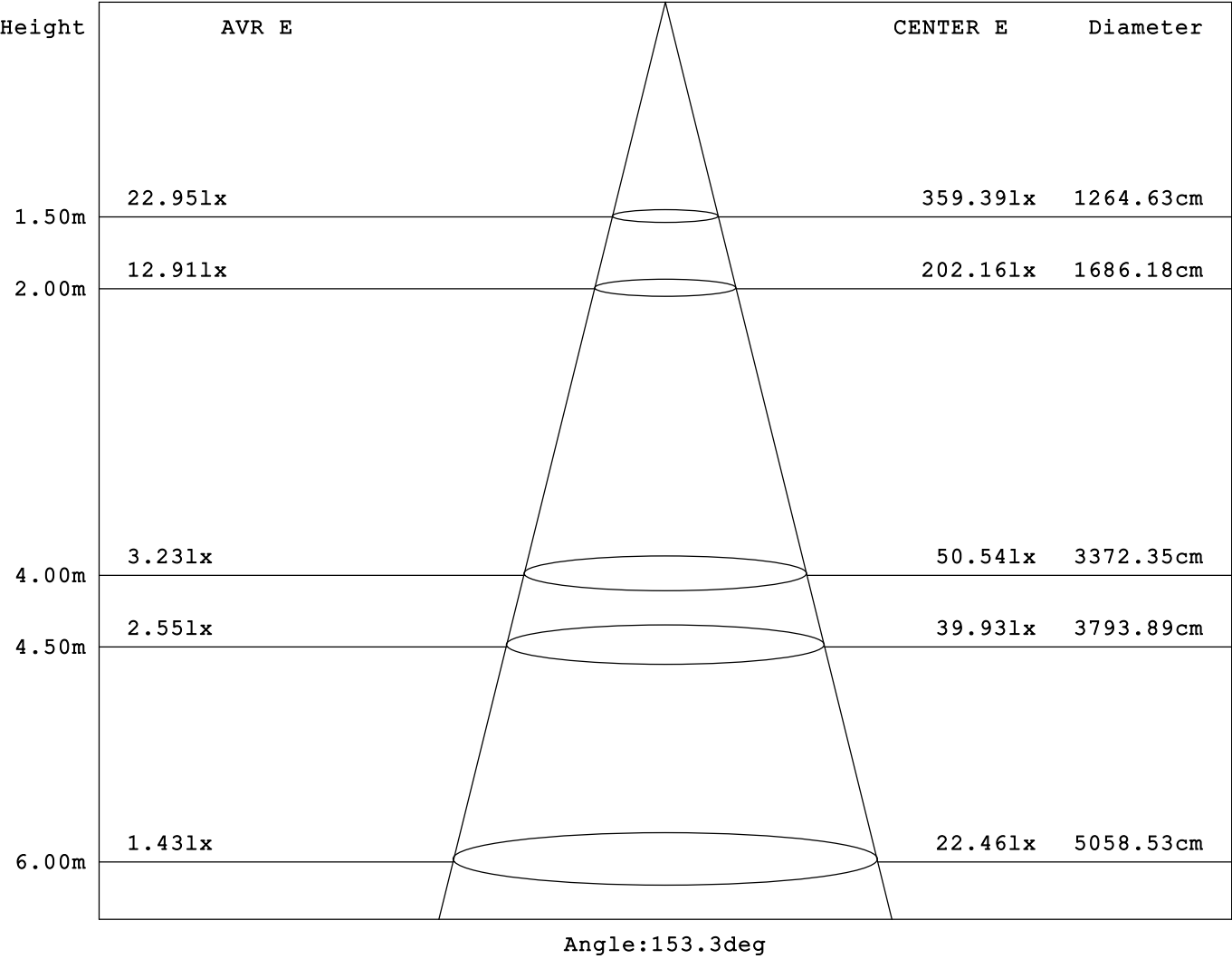
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 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: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	798.2	796.3	794.0	797.8	801.2	800.1	798.2	797.7	0- 10	76.65	76.65
20.0	771.0	766.6	764.3	770.0	775.9	773.9	770.6	769.9	10- 20	222.2	298.9
30.0	729.2	722.0	717.6	726.7	734.9	730.9	726.9	726.1	20- 30	346.3	645.2
40.0	674.3	663.3	657.5	669.1	682.3	675.4	668.9	669.9	30- 40	438.6	1084
50.0	611.4	598.8	592.1	604.6	618.8	609.1	601.4	603.9	40- 50	493.3	1577
60.0	541.8	528.2	519.7	534.0	546.2	535.6	527.4	530.8	50- 60	509.8	2087
70.0	471.8	454.2	446.1	460.2	476.0	459.5	452.5	455.0	60- 70	491.6	2579
80.0	402.3	379.9	374.1	385.8	406.3	385.0	379.0	381.3	70- 80	446.1	3025
90.0	194.7	170.5	180.0	187.1	225.0	193.2	188.3	180.5	80- 90	339.7	3365
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:07-12-2025

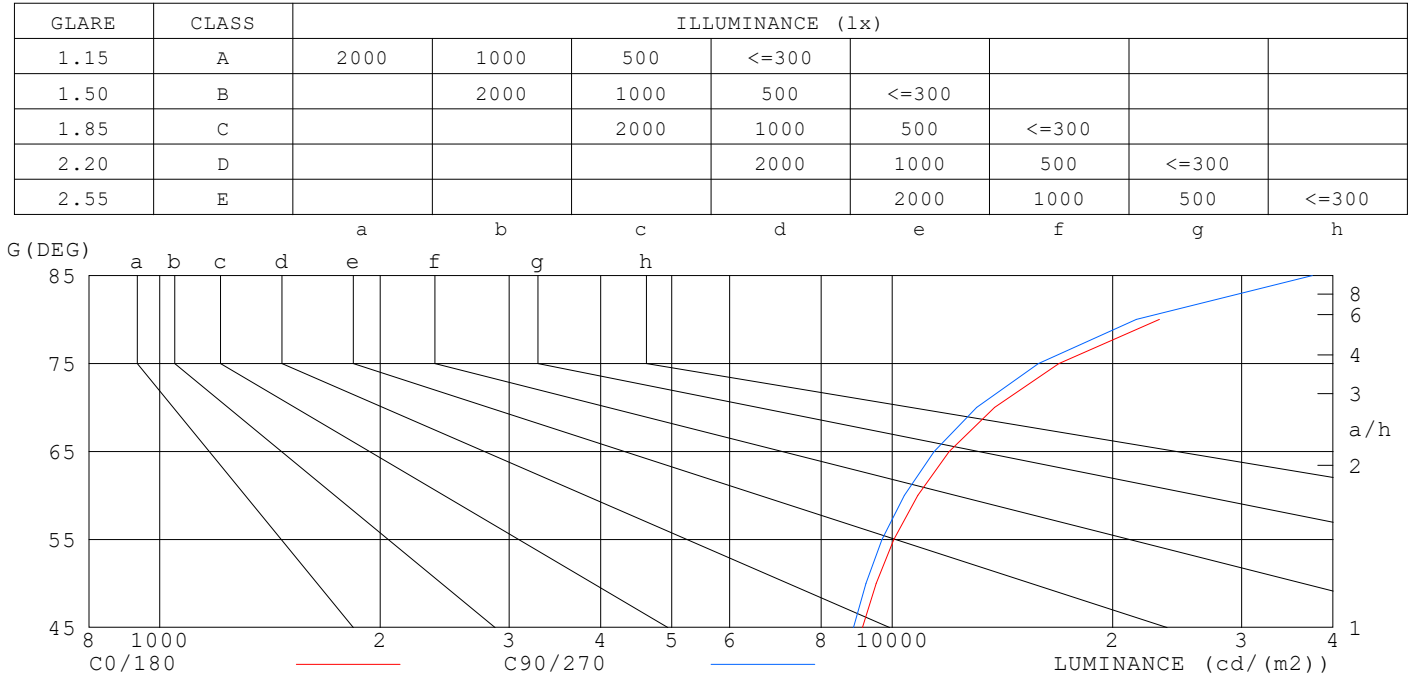
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	40454	37486
80	23171	21544
75	16894	15836
70	13796	13044
65	11969	11410
60	10837	10395
55	10051	9682
50	9513	9212
45	9110	8858

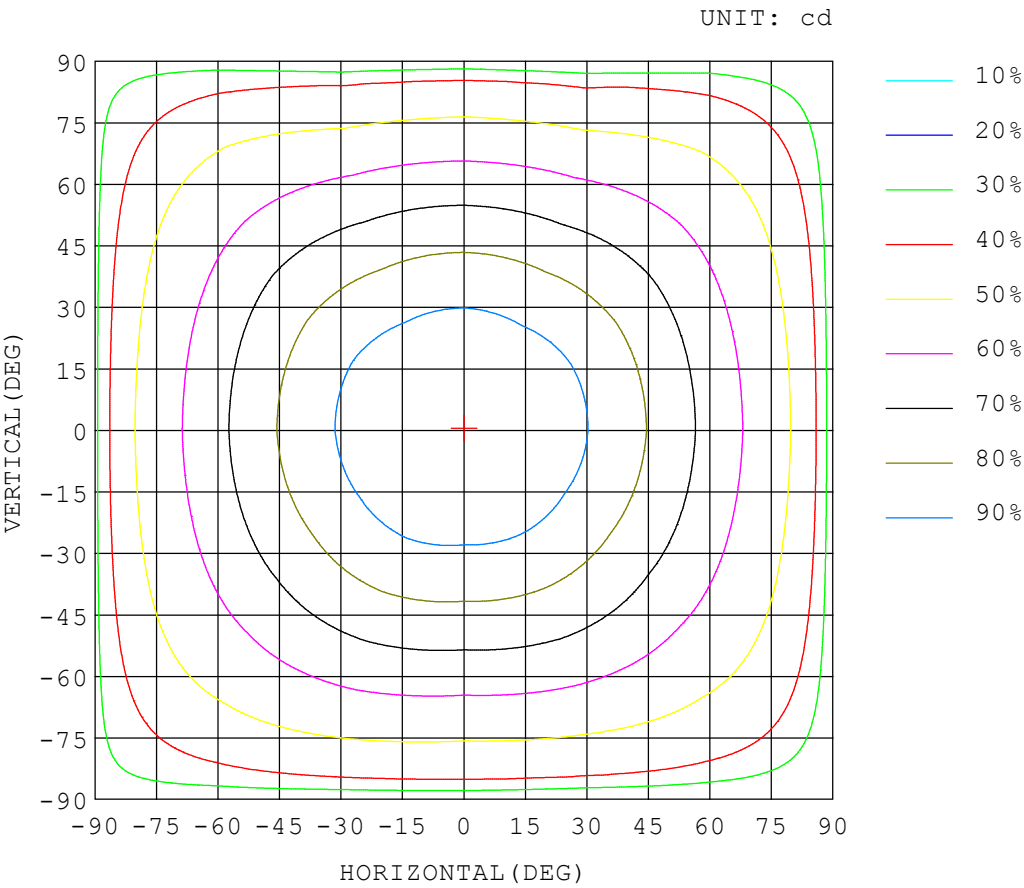
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Temperature:25.3DEG
Operators:
Test Date:07-12-2025

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
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NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



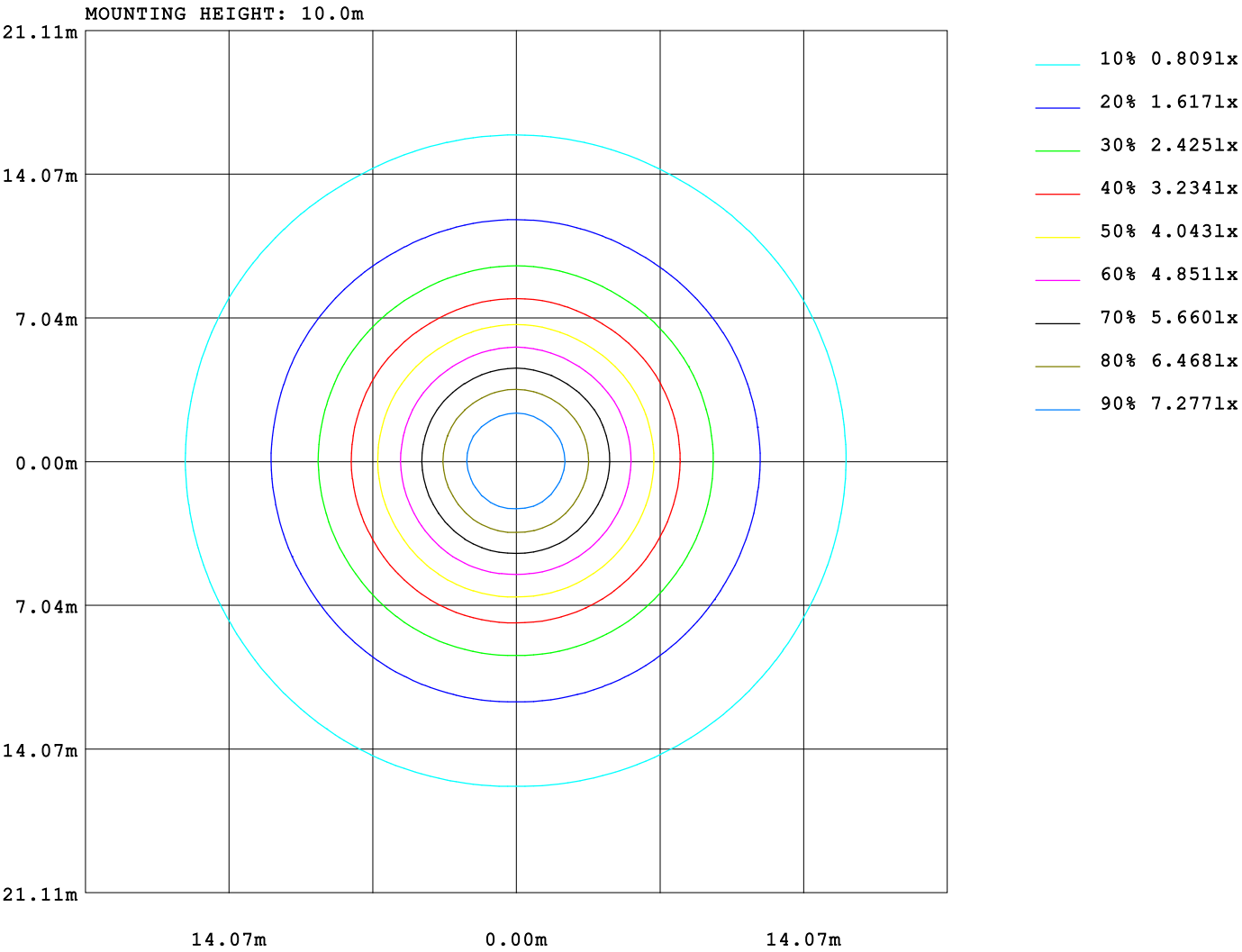
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: RING 360										TYPE: 4000K CRI-90							WEIGHT:			
SPECIFICATION: FULHAM 800 MA										DIMENSION: D-630 W-61 H-55 MM							SERIAL No.:			

90 80 70 60 50 40 30
--

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 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: RING 360

TYPE: 4000K CRI-90

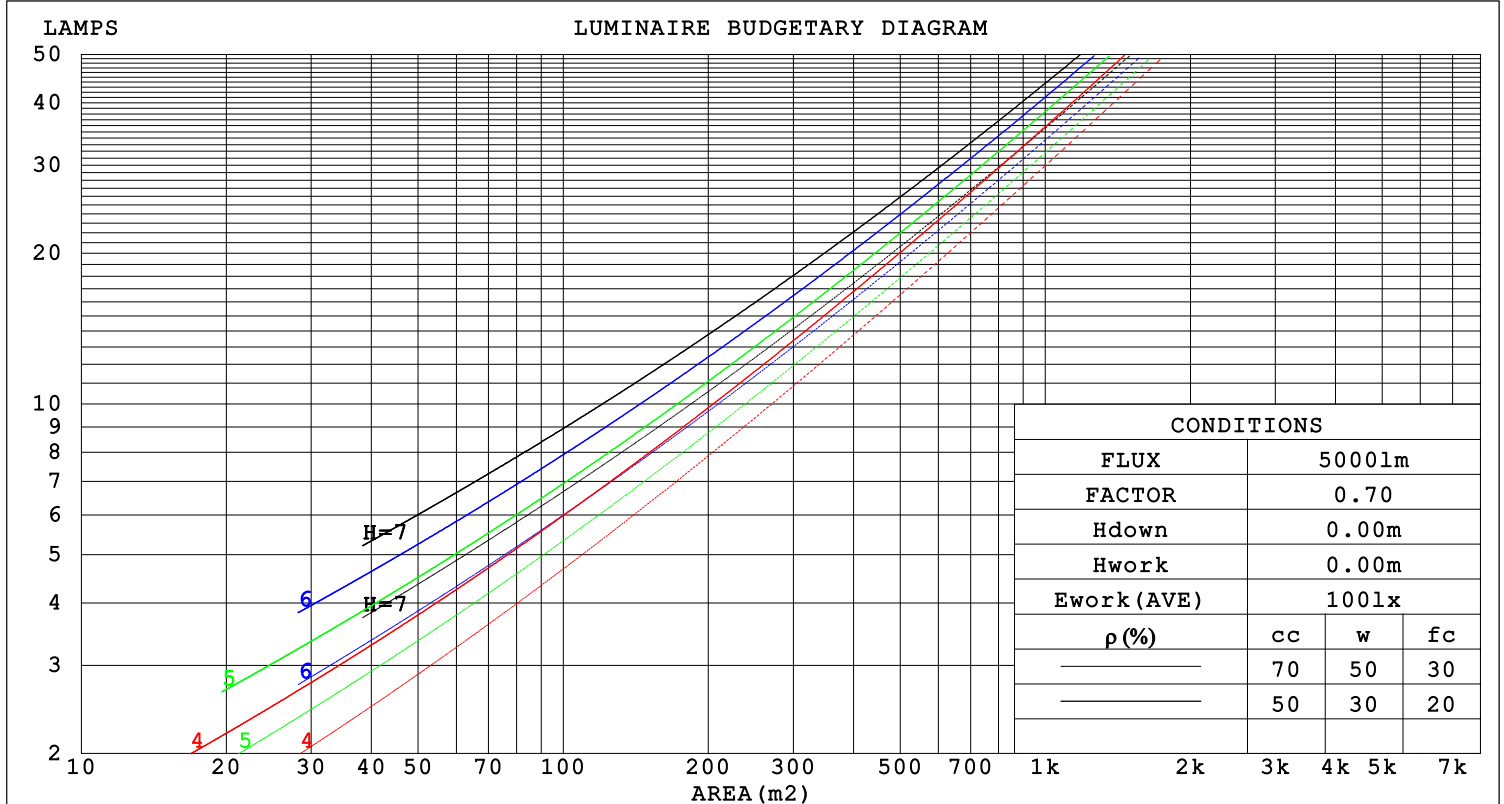
WEIGHT:

SPECIFICATION: FULHAM 800 MA

DIMENSION: D-630 W-61 H-55 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	.97	.91	.86	.95	.89	.84	.91	.86	.82	.86	.83	.79	.83	.80	.77	.74
2.0	.82	.74	.66	.80	.72	.65	.77	.70	.64	.73	.67	.62	.70	.65	.61	.58
3.0	.71	.61	.53	.69	.60	.53	.66	.58	.52	.63	.56	.51	.60	.55	.50	.47
4.0	.62	.52	.44	.61	.51	.44	.58	.50	.43	.55	.48	.42	.53	.47	.42	.39
5.0	.55	.45	.37	.54	.44	.37	.51	.43	.36	.49	.42	.36	.47	.41	.35	.33
6.0	.49	.39	.32	.48	.39	.32	.46	.38	.31	.44	.37	.31	.43	.36	.31	.28
7.0	.44	.35	.28	.43	.34	.28	.42	.34	.28	.40	.33	.27	.39	.32	.27	.25
8.0	.40	.31	.25	.40	.31	.25	.38	.30	.24	.37	.30	.24	.36	.29	.24	.22
9.0	.37	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.33	.26	.21	.20
10.0	.34	.25	.20	.33	.25	.20	.32	.25	.20	.31	.24	.20	.30	.24	.19	.18



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.500 m
 Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: RING 360							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION: FULHAM 800 MA							DIMENSION: D-630 W-61 H-55 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	.435	.247	.078	.427	.244	.077	.413	.237	.076	.400	.231	.074	.389	.225	.073	
2.0	.369	.202	.062	.363	.200	.062	.350	.195	.061	.339	.190	.060	.328	.186	.059	
3.0	.324	.172	.052	.318	.170	.051	.307	.166	.051	.297	.163	.050	.288	.159	.049	
4.0	.289	.150	.044	.284	.148	.044	.274	.145	.043	.265	.142	.043	.256	.139	.042	
5.0	.261	.133	.038	.256	.131	.038	.247	.129	.038	.239	.126	.038	.232	.124	.037	
6.0	.237	.119	.034	.233	.118	.034	.226	.116	.034	.218	.114	.033	.212	.111	.033	
7.0	.218	.108	.031	.214	.107	.030	.207	.105	.030	.201	.103	.030	.195	.101	.030	
8.0	.201	.098	.028	.198	.098	.028	.192	.096	.027	.186	.094	.027	.181	.093	.027	
9.0	.187	.090	.025	.184	.090	.025	.179	.088	.025	.173	.087	.025	.169	.086	.025	
10.0	.174	.084	.023	.172	.083	.023	.167	.082	.023	.162	.081	.023	.158	.079	.023	

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	.189	.155	.124	.162	.133	.107	.111	.092	.074	.064	.053	.043	.020	.017	.014	
2.0	.183	.132	.089	.156	.113	.077	.107	.078	.053	.062	.046	.031	.020	.015	.010	
3.0	.175	.115	.067	.150	.099	.058	.103	.069	.041	.059	.040	.024	.019	.013	.008	
4.0	.167	.102	.052	.143	.088	.046	.098	.061	.032	.057	.036	.019	.018	.012	.006	
5.0	.158	.092	.043	.136	.079	.037	.094	.055	.026	.054	.033	.016	.017	.011	.005	
6.0	.150	.084	.036	.129	.072	.031	.089	.051	.022	.052	.030	.013	.017	.010	.004	
7.0	.143	.077	.031	.123	.067	.027	.085	.047	.019	.049	.027	.011	.016	.009	.004	
8.0	.135	.071	.027	.117	.062	.023	.081	.043	.017	.047	.025	.010	.015	.008	.003	
9.0	.129	.066	.024	.111	.057	.021	.077	.040	.015	.045	.024	.009	.014	.008	.003	
10.0	.122	.062	.021	.105	.054	.019	.073	.038	.013	.043	.022	.008	.014	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS										
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019										
NAME: RING 360					TYPE: 4000K CRI-90			WEIGHT:		
SPECIFICATION: FULHAM 800 MA					DIMENSION: D-630 W-61 H-55 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	20.8	22.5	21.1	22.8	23.0	20.7	22.4	21.0	22.6	22.9
3H	23.5	25.1	23.8	25.3	25.6	23.2	24.9	23.6	25.1	25.4
4H	24.9	26.5	25.3	26.7	27.0	24.7	26.2	25.0	26.5	26.8
6H	26.7	28.1	27.0	28.4	28.7	26.3	27.8	26.7	28.1	28.4
8H	27.8	29.2	28.2	29.5	29.8	27.4	28.9	27.8	29.2	29.5
12H	28.7	30.1	29.1	30.4	30.7	28.3	29.7	28.7	30.0	30.3
4H 2H	21.7	23.2	22.0	23.5	23.8	21.6	23.2	21.9	23.4	23.7
3H	24.5	25.9	24.9	26.2	26.5	24.4	25.8	24.7	26.1	26.4
4H	26.2	27.5	26.6	27.8	28.1	26.0	27.3	26.4	27.6	27.9
6H	28.2	29.3	28.6	29.7	30.1	27.9	29.0	28.3	29.4	29.8
8H	29.4	30.5	29.8	30.9	31.3	29.1	30.2	29.5	30.6	31.0
12H	30.4	31.4	30.8	31.8	32.2	30.0	31.0	30.5	31.4	31.9
8H 4H	26.8	27.9	27.3	28.3	28.7	26.7	27.8	27.1	28.1	28.5
6H	29.2	30.1	29.6	30.5	31.0	29.0	29.9	29.4	30.3	30.8
8H	30.6	31.4	31.0	31.9	32.3	30.3	31.2	30.8	31.6	32.1
12H	31.7	32.4	32.2	32.9	33.4	31.4	32.2	31.9	32.6	33.1
12H 4H	27.0	28.1	27.5	28.5	28.9	26.9	27.9	27.3	28.3	28.7
6H	29.5	30.4	30.0	30.8	31.3	29.3	30.2	29.8	30.6	31.1
8H	31.0	31.7	31.5	32.2	32.7	30.8	31.5	31.3	32.0	32.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 3365 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.2)

Test System:HOPOO HPG1800
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Operators:
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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: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 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) $k(RI) \times RCR = 5$									
$k = 0.60$	51	38	31	50	38	30	49	37	30	23
0.80	60	47	39	59	47	39	57	46	38	30
1.00	68	55	46	67	54	46	64	56	46	37
1.25	75	62	54	73	62	53	70	60	53	44
1.50	80	68	59	78	67	59	75	65	58	49
2.00	88	77	68	85	75	68	82	73	66	57
2.50	92	82	74	90	80	73	86	78	71	62
3.00	96	87	79	93	85	78	89	82	76	66
4.00	101	93	86	98	91	85	93	87	82	72
5.00	104	97	91	101	95	90	96	91	87	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

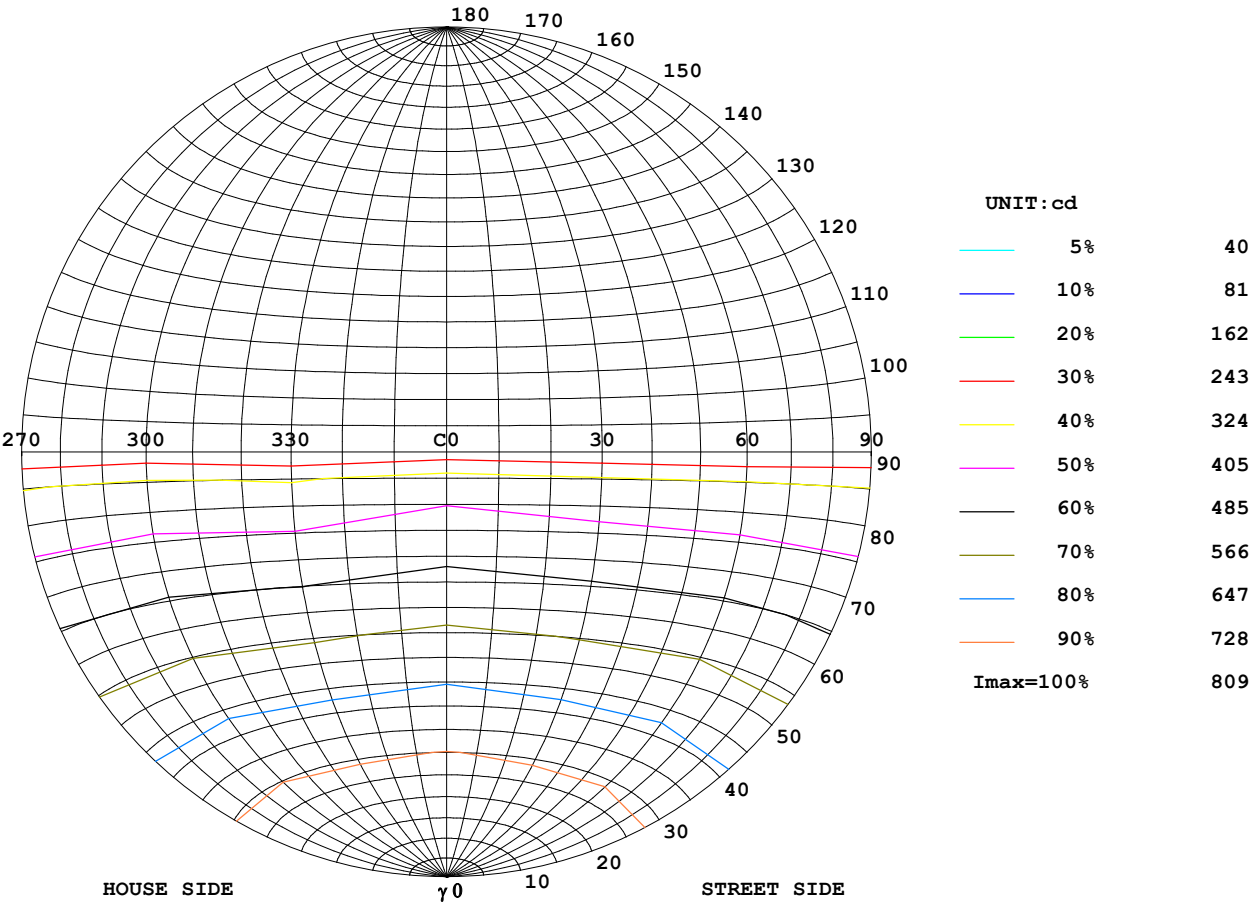
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 Operators:
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Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



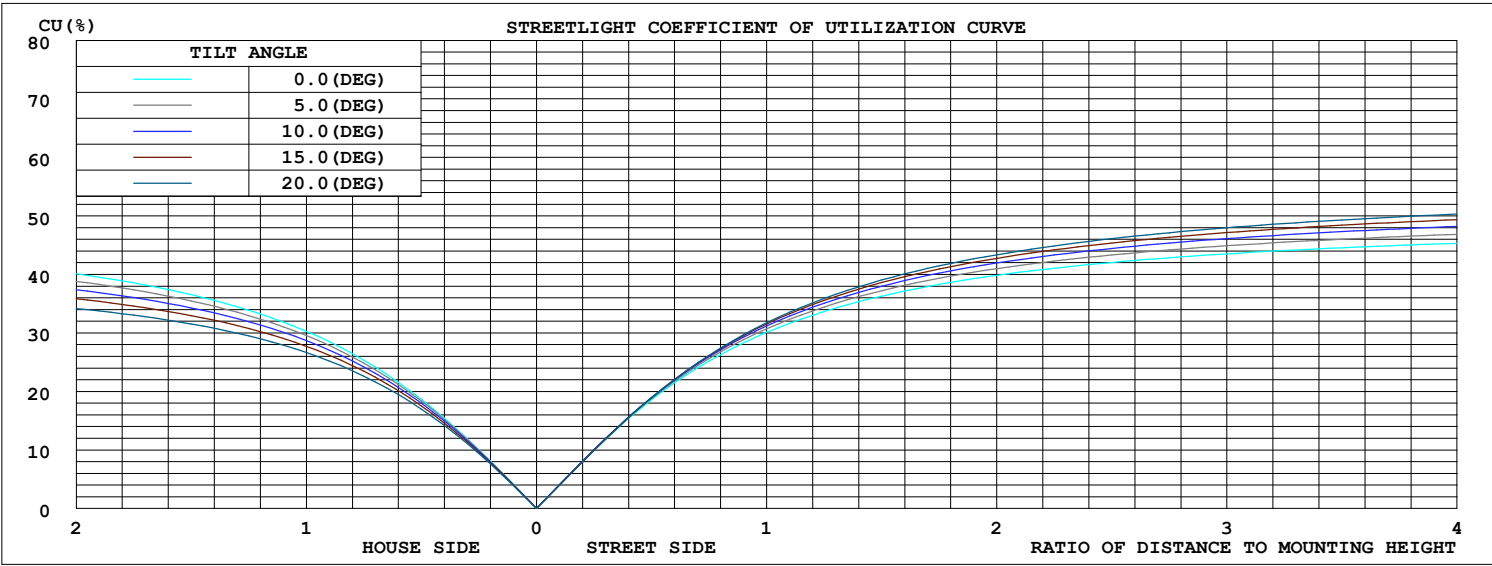
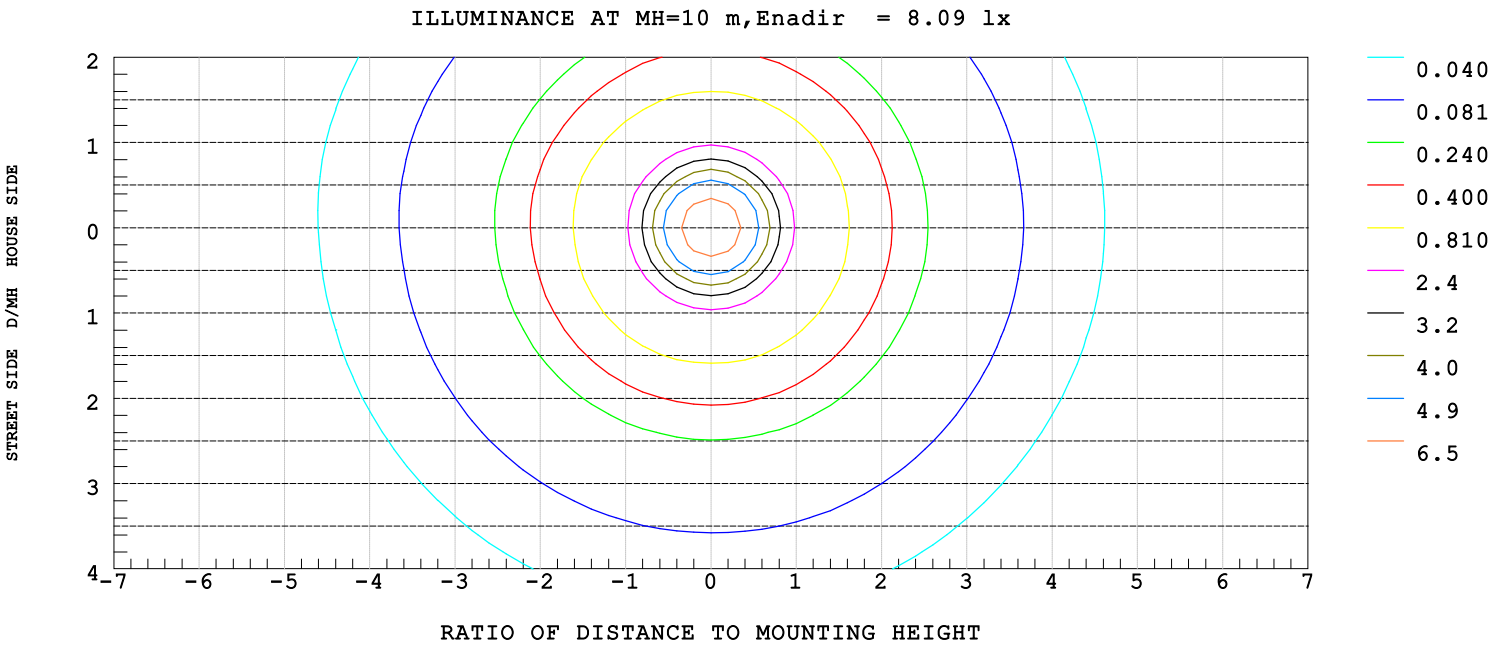
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Temperature:25.3DEG
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



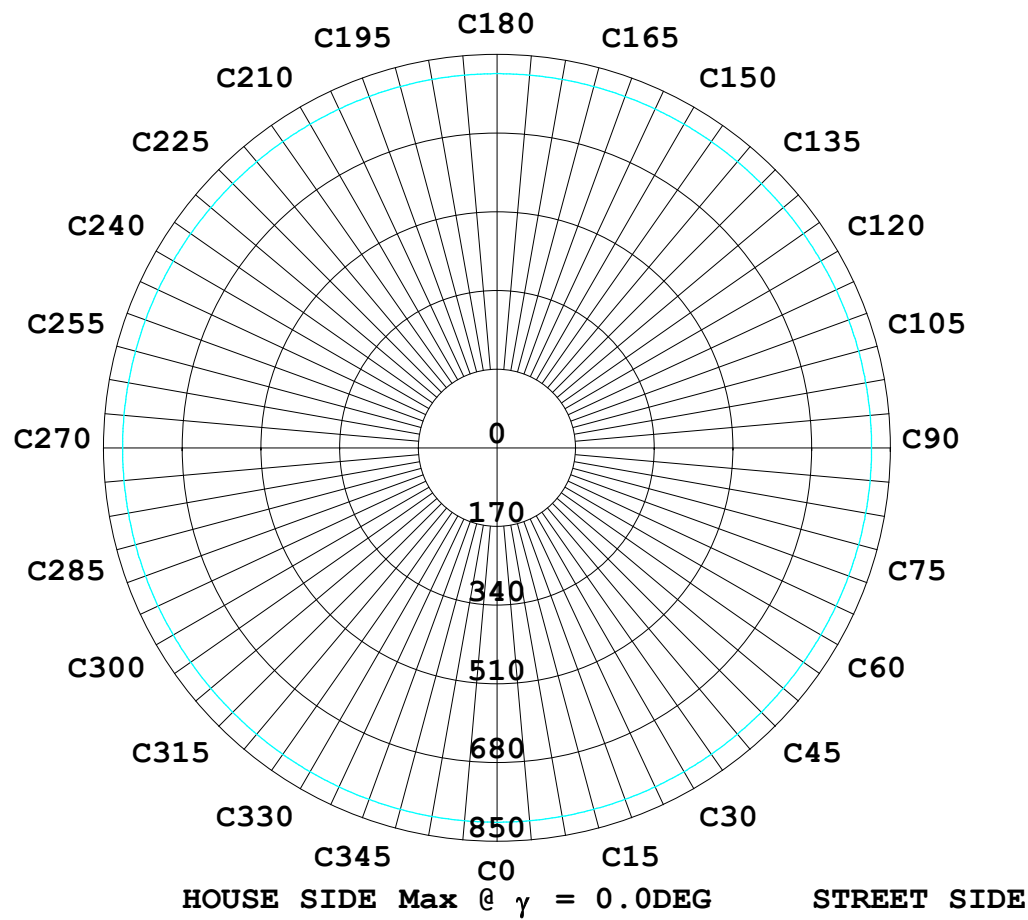
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: D-630 W-61 H-55 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	809	808	808	809	808	808	809	808	808	809	808	808
5.0	806	804	804	804	806	805	807	807	806	805	804	806
10.0	798	796	797	794	797	798	801	802	799	798	797	798
15.0	787	783	784	782	786	787	790	791	787	787	785	787
20.0	771	766	768	764	769	771	776	777	771	771	768	772
25.0	752	745	745	742	749	751	757	759	751	751	747	753
30.0	729	722	722	718	726	728	735	736	726	727	723	730
35.0	703	694	694	689	698	701	710	711	699	699	696	704
40.0	674	663	663	658	667	671	682	682	669	669	665	675
45.0	644	633	631	626	637	639	651	650	636	636	632	643
50.0	611	599	599	592	603	606	619	617	601	601	597	611
55.0	576	564	564	555	568	571	583	581	565	565	560	575
60.0	542	529	528	520	533	536	546	545	526	527	523	539
65.0	506	492	489	482	495	499	511	507	489	490	485	503
70.0	472	457	452	446	458	462	476	470	449	453	446	464
75.0	437	420	414	410	420	426	441	434	410	414	407	428
80.0	402	383	377	374	382	389	406	398	372	379	369	394
85.0	353	332	325	327	333	340	362	352	321	332	316	347
90.0	195	178	163	180	179	195	225	212	175	188	163	198

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