

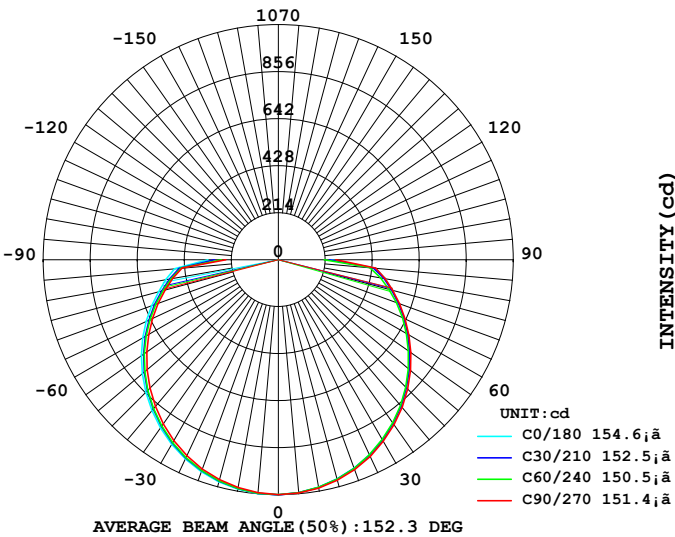
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

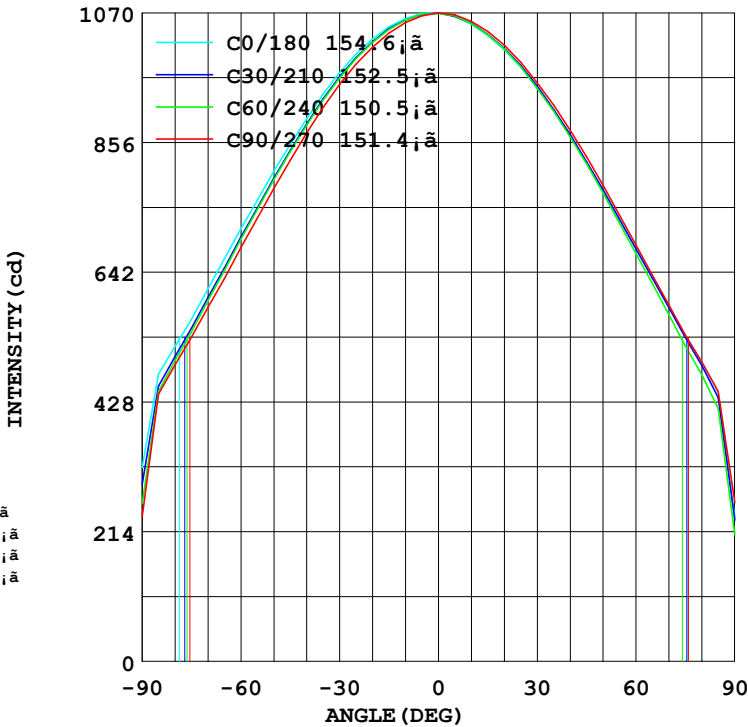
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: RING 360	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1070	S/MH (C0/180)	1.36
MODEL	RING 360	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.33
NOMINAL POWER (W)	50	TOTAL FLUX (lm)	4388.1	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	87.0	Current (A)	0.223
NOMINAL FLUX (lm)	4388.2	η up (%)	0.0	Power (W)	50.45
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	219.6	Effictive Flux(lm)	4388.2	EEI	0.157

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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:8.000 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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:

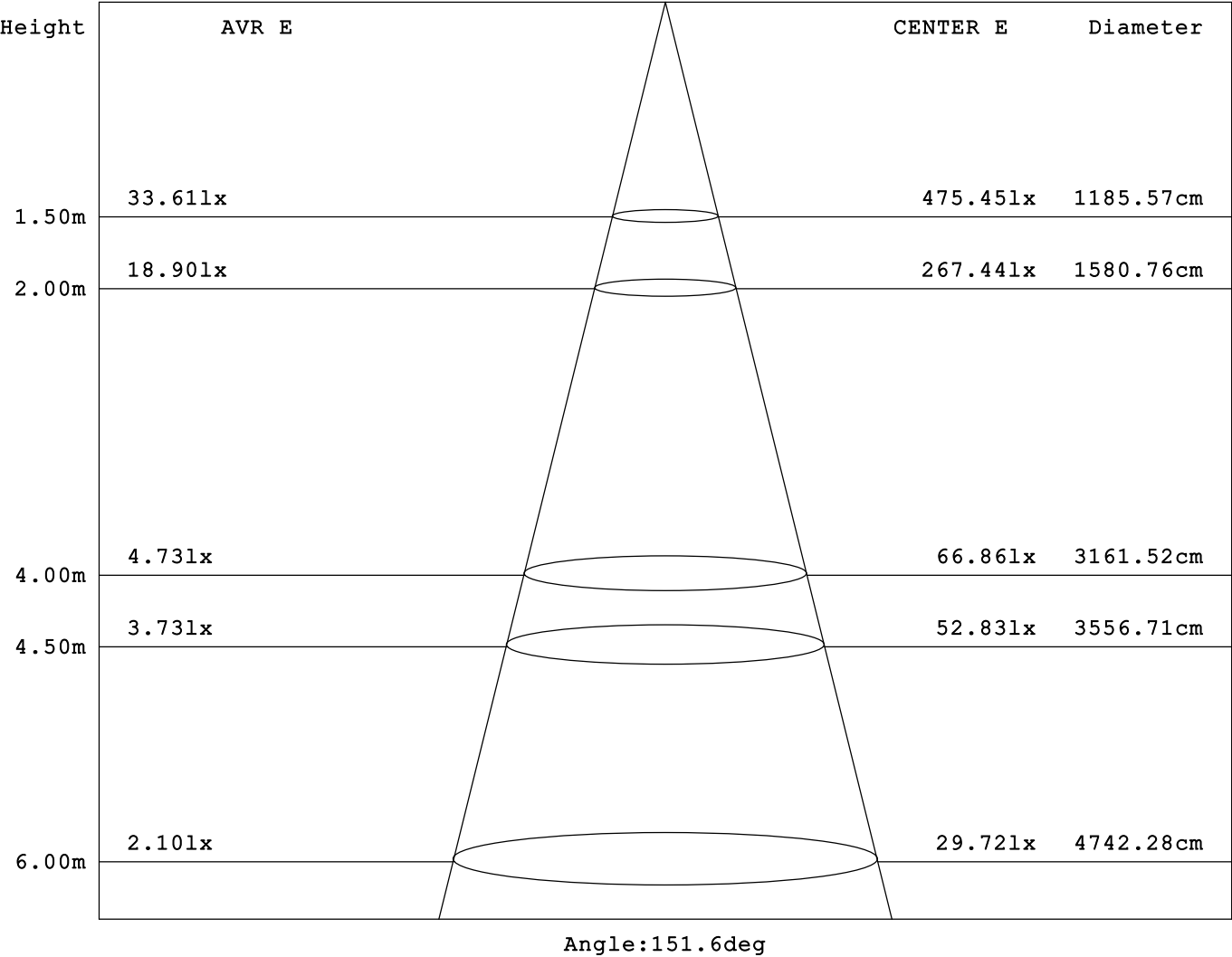
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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 1050 MA	DIMENSION: D-930 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:8.000 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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1060	1058	1054	1052	1052	1053	1056	1059	0- 10	101.4	101.4
20.0	1027	1022	1014	1010	1010	1011	1017	1024	10- 20	293.6	395.1
30.0	971.5	963.9	952.0	947.7	946.4	947.7	955.0	965.2	20- 30	456.5	851.6
40.0	895.4	885.5	871.8	866.9	867.8	867.7	876.6	888.3	30- 40	575.7	1427
50.0	808.3	795.7	780.0	776.9	777.7	775.9	785.7	798.8	40- 50	644.2	2072
60.0	713.5	697.9	682.3	679.9	680.5	677.0	687.3	700.8	50- 60	661.9	2734
70.0	614.0	597.2	583.4	580.9	584.0	577.6	587.6	600.9	60- 70	634.7	3368
80.0	519.0	499.1	488.8	485.8	493.6	480.4	493.7	502.8	70- 80	572.7	3941
90.0	320.3	276.3	238.8	214.1	237.5	220.9	262.2	301.0	80- 90	447.0	4388
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

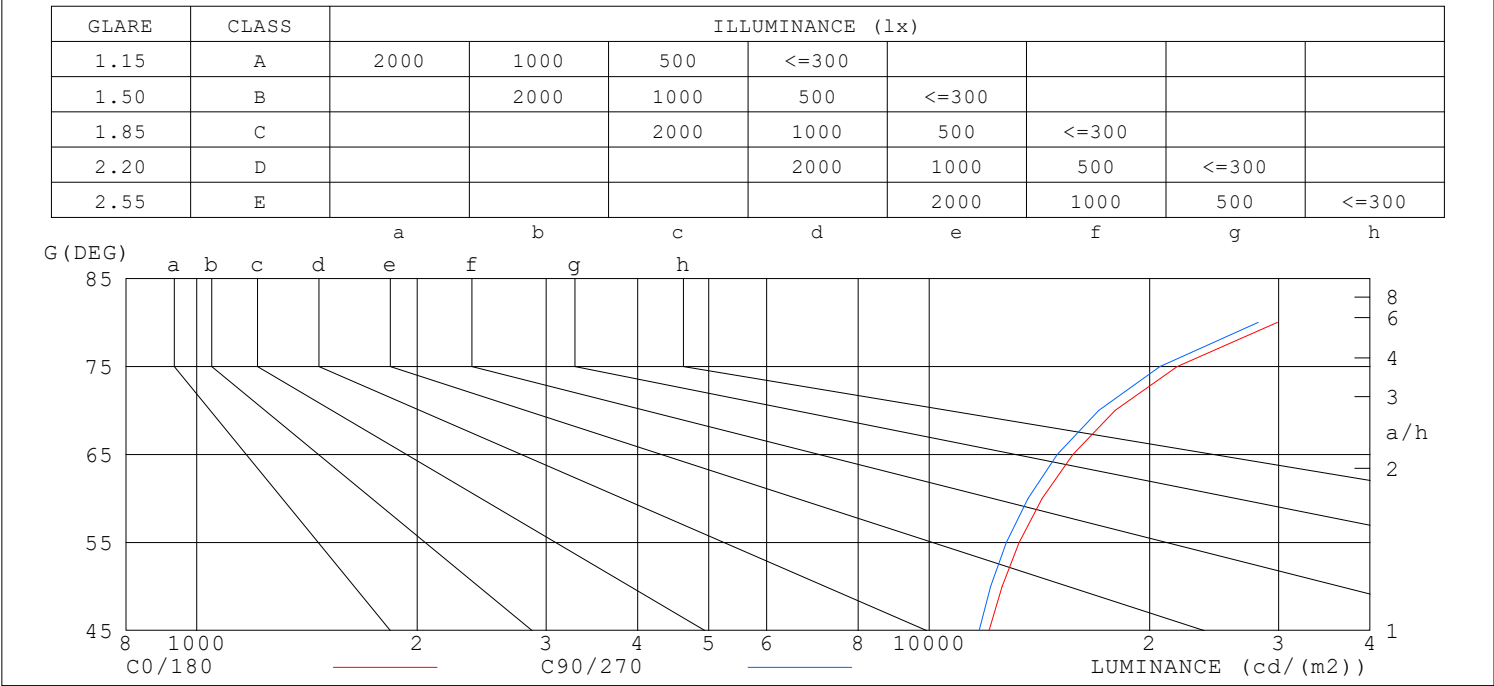
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	54413	50631
80	29890	28151
75	21815	20665
70	17954	17058
65	15719	14953
60	14271	13646
55	13270	12754
50	12576	12136
45	12072	11697

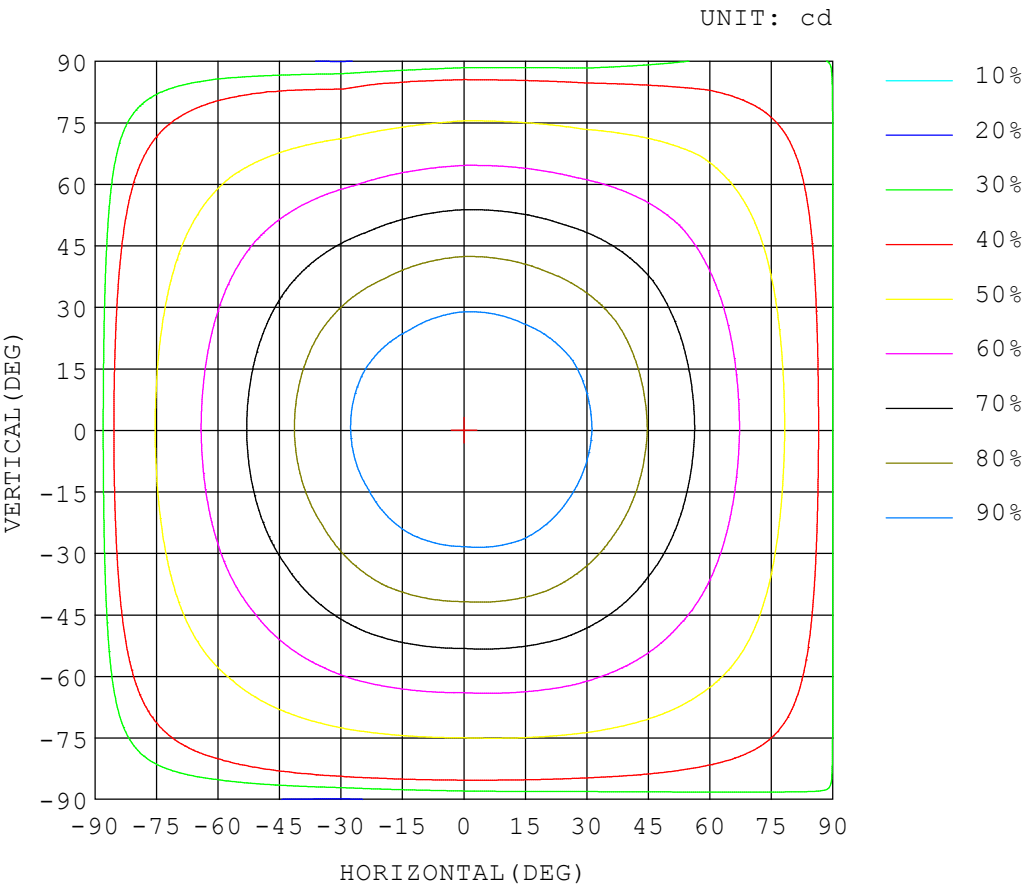
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:



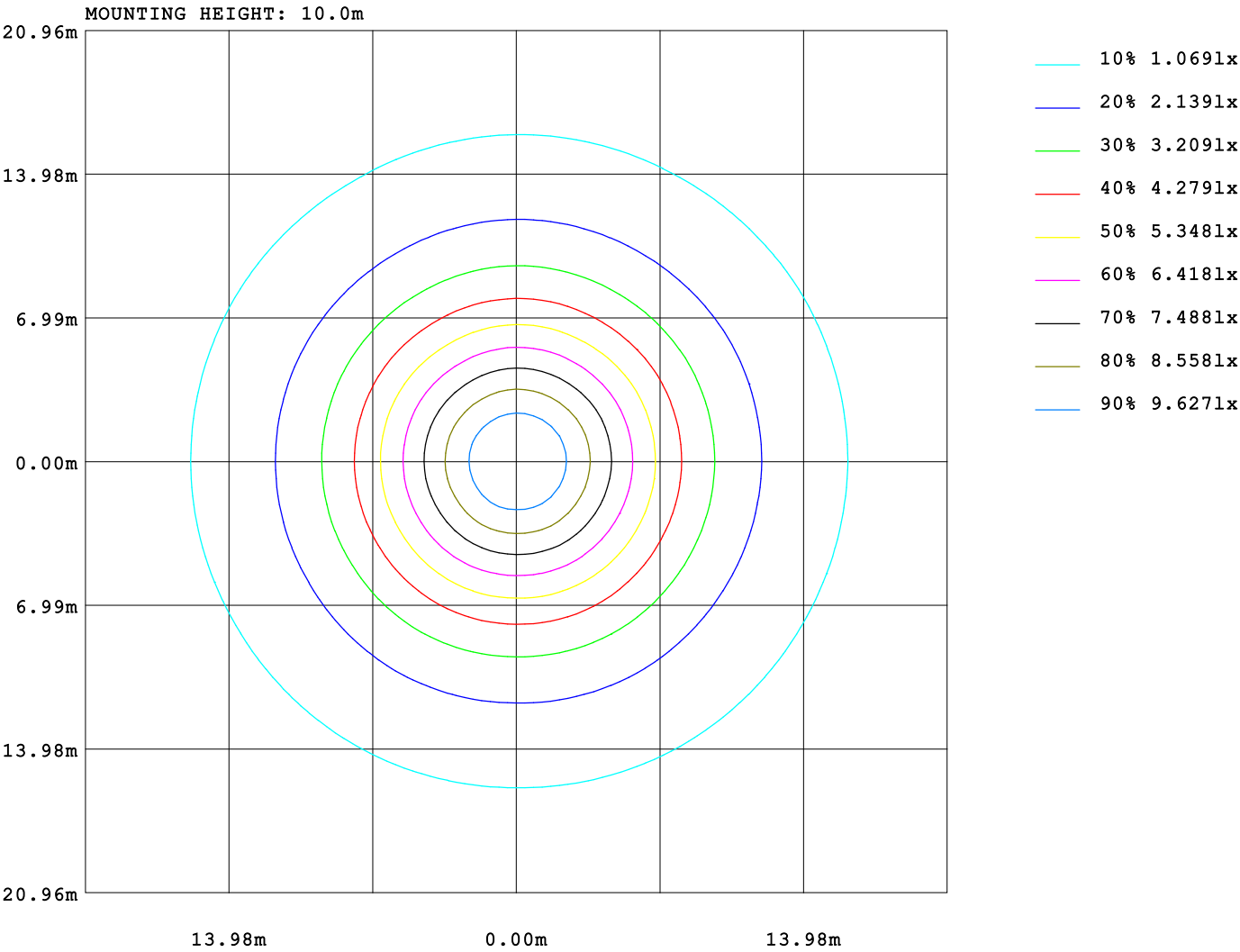
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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 1050 MA	DIMENSION: D-930 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:8.000 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 1050 MA										DIMENSION: D-930 W-61 H-55 MM					SERIAL No.:				

90 80 70 60 50 40 30
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Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

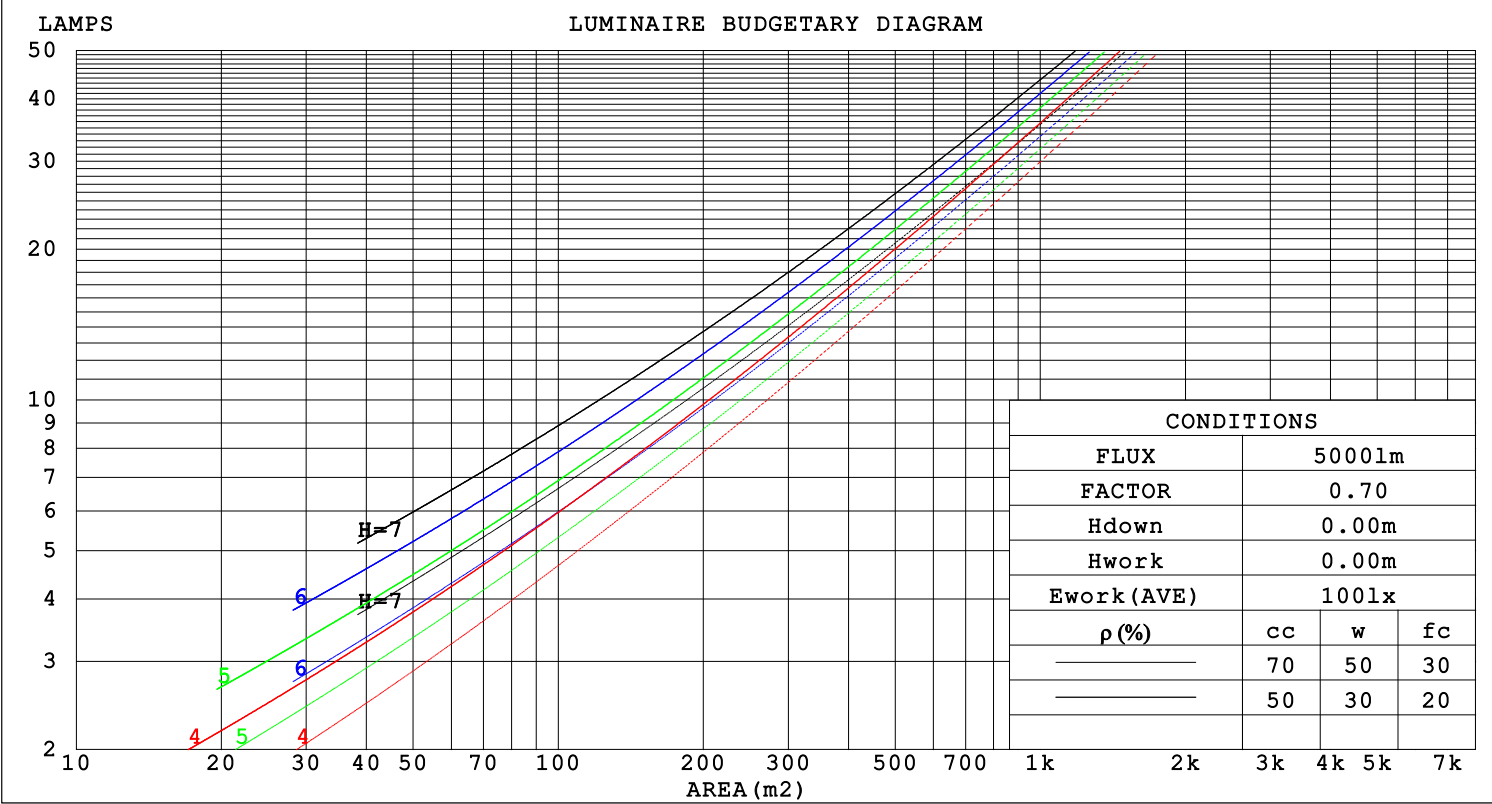
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 4000K

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 1050 MA								DIMENSION: D-930 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
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	.97	.91	.86	.95	.89	.84	.91	.86	.82	.86	.83	.79	.83	.80	.77	.74
2.0	.82	.74	.66	.80	.72	.66	.77	.70	.64	.73	.67	.62	.70	.65	.61	.58
3.0	.71	.61	.53	.69	.60	.53	.66	.58	.52	.63	.56	.51	.61	.55	.50	.47
4.0	.62	.52	.44	.61	.51	.44	.58	.50	.43	.56	.48	.42	.53	.47	.42	.39
5.0	.55	.45	.37	.54	.44	.37	.52	.43	.37	.50	.42	.36	.48	.41	.36	.33
6.0	.49	.39	.32	.48	.39	.32	.46	.38	.32	.45	.37	.31	.43	.36	.31	.29
7.0	.44	.35	.28	.44	.34	.28	.42	.34	.28	.40	.33	.27	.39	.32	.27	.25
8.0	.40	.31	.25	.40	.31	.25	.38	.30	.25	.37	.30	.24	.36	.29	.24	.22
9.0	.37	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.22	.33	.26	.22	.20
10.0	.34	.26	.20	.34	.25	.20	.32	.25	.20	.32	.25	.20	.31	.24	.20	.18



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:8.000 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 1050 MA								DIMENSION: D-930 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														
pf _c	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.434	.247	.078	.426	.243	.077	.413	.237	.076	.400	.231	.074	.388	.225	.073															
2.0	.368	.202	.062	.362	.199	.061	.349	.194	.060	.338	.190	.059	.327	.185	.058															
3.0	.323	.172	.052	.317	.170	.051	.306	.166	.050	.296	.162	.050	.287	.159	.049															
4.0	.288	.150	.044	.283	.148	.044	.273	.145	.043	.264	.142	.043	.256	.139	.042															
5.0	.260	.132	.038	.255	.131	.038	.247	.128	.038	.239	.126	.037	.231	.124	.037															
6.0	.237	.119	.034	.233	.118	.034	.225	.115	.034	.218	.113	.033	.211	.111	.033															
7.0	.217	.107	.030	.214	.107	.030	.207	.105	.030	.201	.103	.030	.195	.101	.030															
8.0	.201	.098	.028	.198	.097	.028	.192	.096	.027	.186	.094	.027	.180	.093	.027															
9.0	.187	.090	.025	.184	.090	.025	.178	.088	.025	.173	.087	.025	.168	.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
pf _c	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	.125	.162	.133	.107	.111	.092	.074	.064	.053	.043	.020	.017	.014	
2.0	.182	.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	.166	.102	.053	.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	.142	.077	.031	.123	.066	.027	.085	.047	.019	.049	.027	.011	.016	.009	.004	
8.0	.135	.071	.027	.116	.062	.023	.081	.043	.017	.047	.025	.010	.015	.008	.003	
9.0	.128	.066	.024	.111	.057	.021	.077	.040	.015	.045	.024	.009	.014	.008	.003	
10.0	.122	.062	.021	.105	.053	.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:8.000 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 1050 MA	DIMENSION: D-930 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	21.8	23.6	22.1	23.8	24.0	21.7	23.4	22.0	23.6	23.9
3H	24.4	26.0	24.7	26.3	26.5	24.2	25.8	24.5	26.1	26.3
4H	25.9	27.4	26.2	27.7	27.9	25.6	27.2	25.9	27.4	27.7
6H	27.5	29.0	27.9	29.3	29.6	27.3	28.8	27.6	29.0	29.3
8H	28.6	30.0	29.0	30.3	30.6	28.4	29.9	28.8	30.2	30.5
12H	29.6	31.0	29.9	31.3	31.6	29.4	30.7	29.7	31.0	31.4
4H 2H	22.7	24.3	23.0	24.5	24.8	22.6	24.2	22.9	24.4	24.7
3H	25.5	26.9	25.9	27.2	27.5	25.4	26.7	25.7	27.0	27.4
4H	27.1	28.4	27.5	28.7	29.1	26.9	28.2	27.3	28.5	28.9
6H	29.0	30.2	29.4	30.5	30.9	28.8	30.0	29.2	30.4	30.7
8H	30.2	31.3	30.6	31.7	32.1	30.1	31.2	30.5	31.6	32.0
12H	31.3	32.3	31.7	32.7	33.1	31.1	32.1	31.5	32.5	32.9
8H 4H	27.7	28.8	28.2	29.2	29.6	27.6	28.7	28.0	29.1	29.5
6H	30.0	31.0	30.5	31.4	31.8	29.9	30.8	30.3	31.3	31.7
8H	31.4	32.3	31.9	32.7	33.1	31.3	32.2	31.8	32.6	33.1
12H	32.6	33.4	33.1	33.8	34.3	32.4	33.2	32.9	33.7	34.1
12H 4H	27.9	29.0	28.4	29.4	29.8	27.8	28.8	28.2	29.2	29.6
6H	30.4	31.2	30.8	31.6	32.1	30.3	31.1	30.7	31.5	32.0
8H	31.8	32.6	32.3	33.0	33.5	31.8	32.5	32.2	33.0	33.5

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 4388 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.1)

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

Test Set: 5.0 deg/s C-Gamma (TYPE C)
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 Test Distance: 8.000 m
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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 1050 MA	DIMENSION: D-930 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	31	49	38	31	23
0.80	60	47	39	59	47	39	57	46	38	31
1.00	68	55	47	67	55	46	64	57	46	38
1.25	75	63	54	74	62	54	71	60	53	44
1.50	80	68	60	78	67	59	75	65	58	49
2.00	88	77	68	86	75	68	82	73	66	57
2.50	92	82	74	90	81	73	86	78	71	62
3.00	96	87	79	94	85	78	89	82	76	66
4.00	101	93	86	98	91	85	93	88	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		

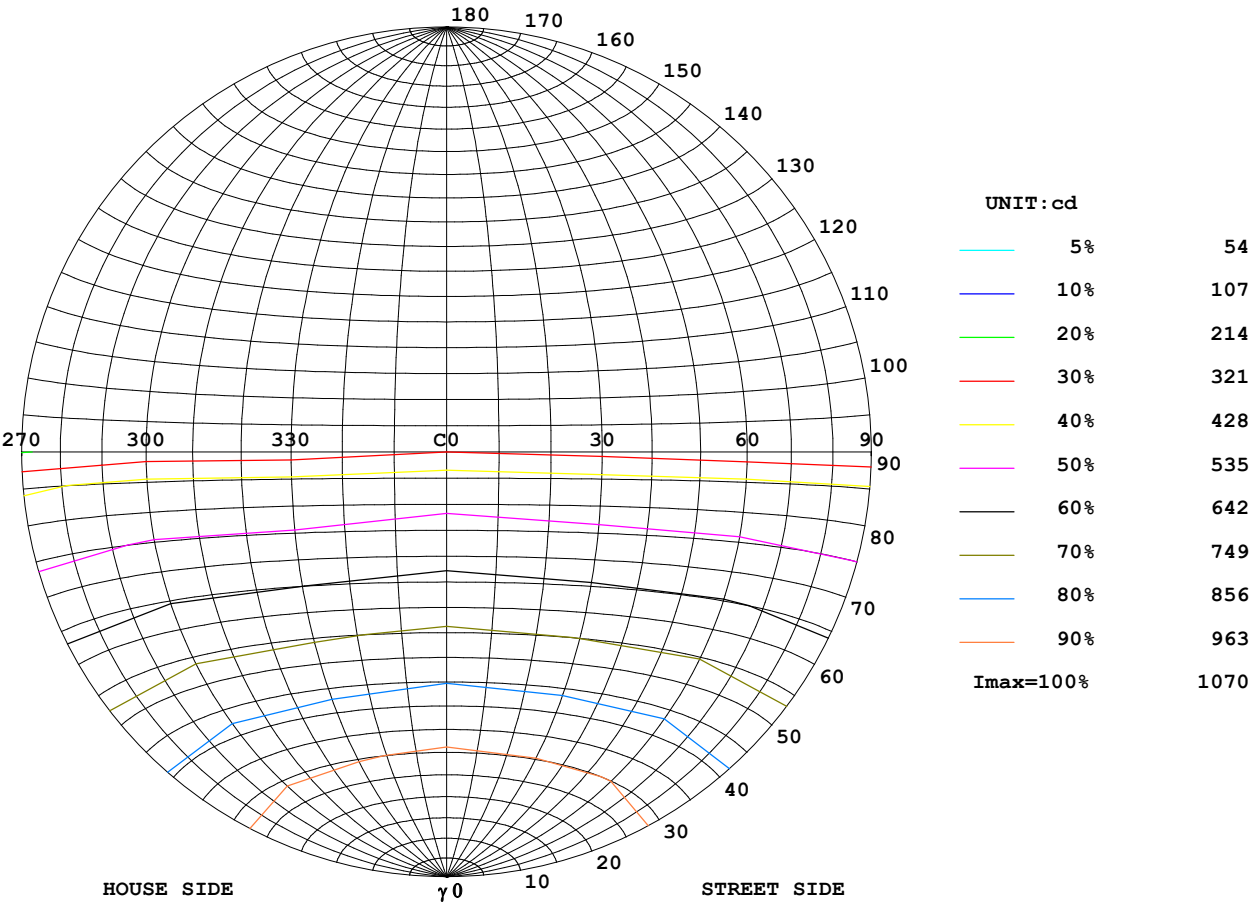
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 Temperature: 25.3 DEG
 Operators:
 Test Date: 07-12-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.000 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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:



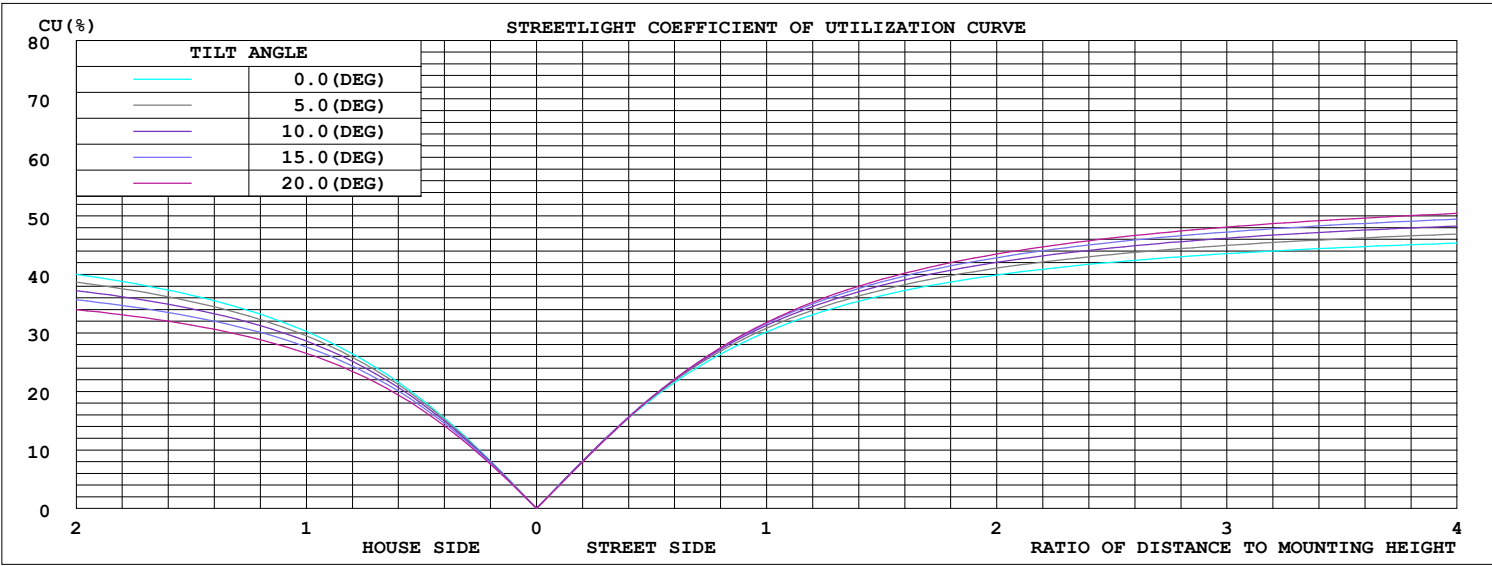
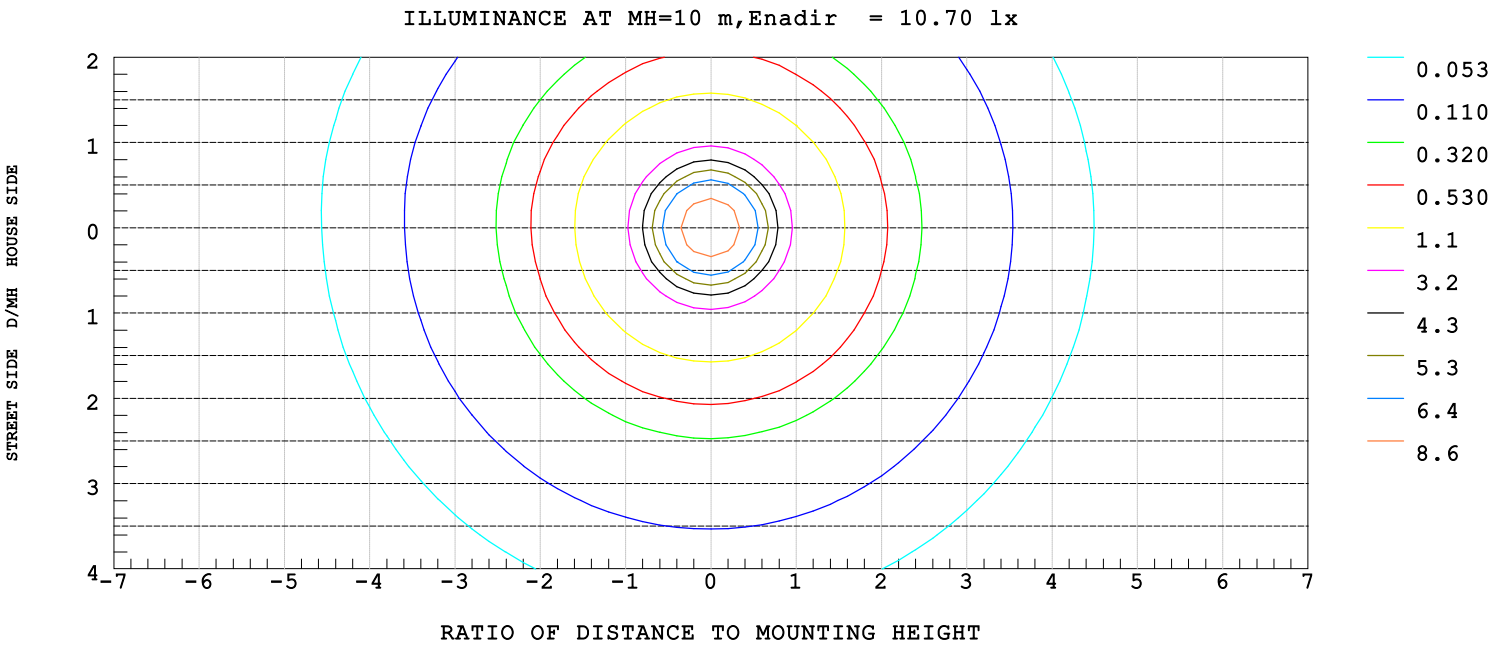
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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 1050 MA	DIMENSION: D-930 W-61 H-55 MM	SERIAL No.:



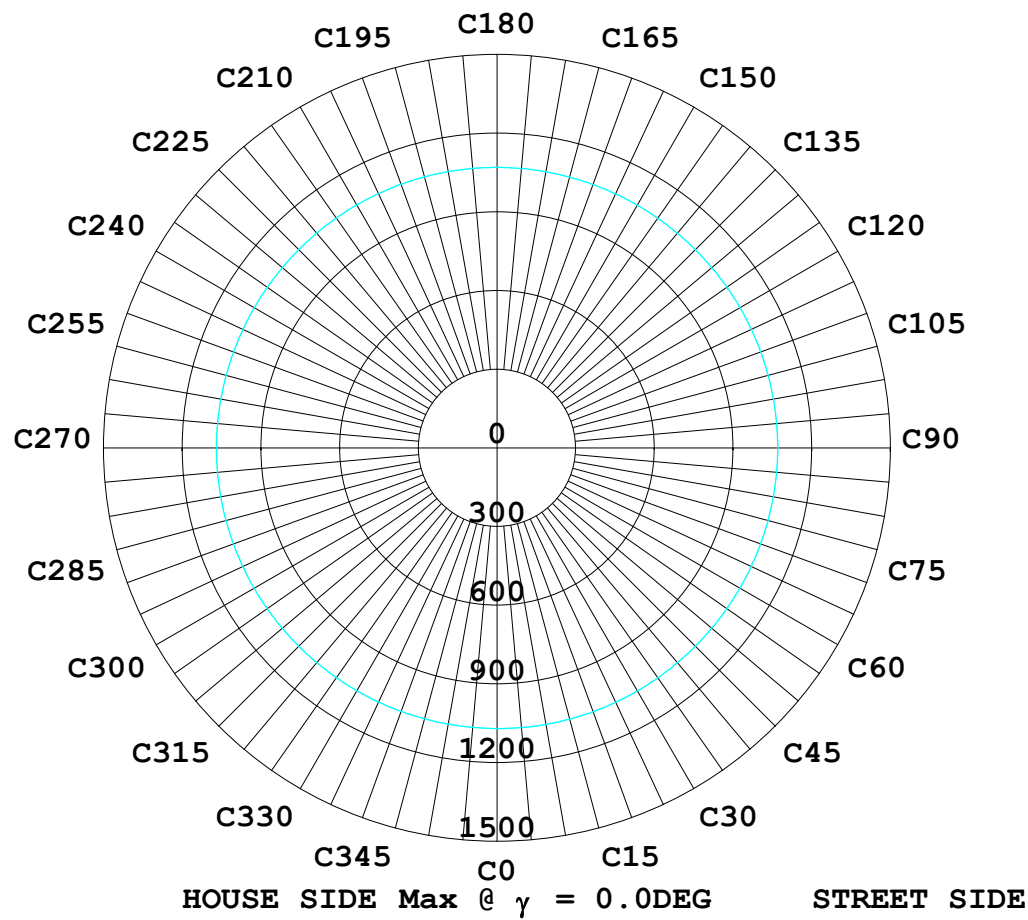
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-12-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 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 1050 MA	DIMENSION: D-930 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:8.000 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 1050 MA	DIMENSION: D-930 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	1070	1070	1069	1070	1070	1069	1070	1070	1069	1070	1070	1069
5.0	1069	1067	1068	1065	1065	1063	1065	1064	1065	1067	1067	1069
10.0	1060	1058	1058	1054	1053	1050	1052	1053	1053	1056	1058	1061
15.0	1047	1044	1043	1037	1038	1032	1033	1035	1034	1039	1041	1047
20.0	1027	1022	1021	1014	1013	1007	1010	1012	1011	1017	1019	1028
25.0	1002	996	994	985	984	977	981	983	981	989	992	1002
30.0	972	965	963	952	951	944	946	950	946	955	959	971
35.0	936	928	926	914	913	905	909	911	908	918	922	936
40.0	895	887	885	872	871	862	868	870	865	877	881	896
45.0	854	844	841	827	829	819	823	824	821	832	836	851
50.0	808	797	794	780	782	772	778	778	773	786	790	808
55.0	761	748	746	732	732	725	730	730	723	737	742	759
60.0	714	700	696	682	684	676	681	681	673	687	692	710
65.0	664	649	645	632	633	626	633	633	624	637	642	662
70.0	614	600	595	583	584	578	584	583	572	588	591	611
75.0	565	550	544	535	535	530	538	535	521	539	540	562
80.0	519	502	496	489	488	484	494	488	473	494	491	515
85.0	474	454	446	441	436	431	444	435	418	445	440	467
90.0	320	292	260	239	209	220	238	233	209	262	271	331

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