

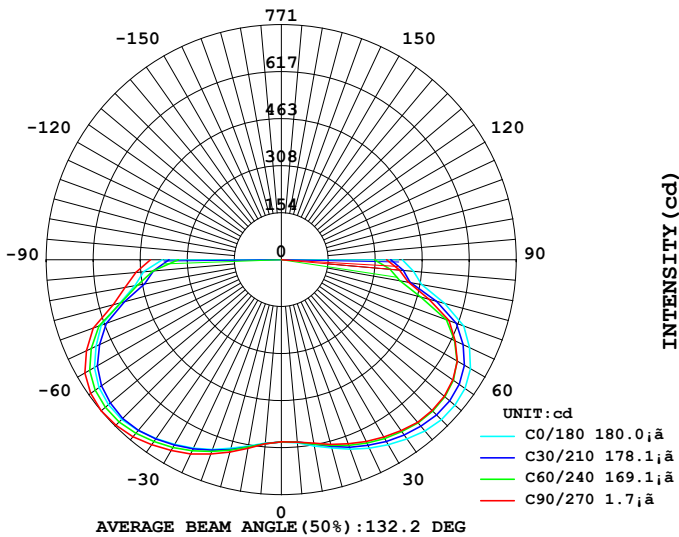
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

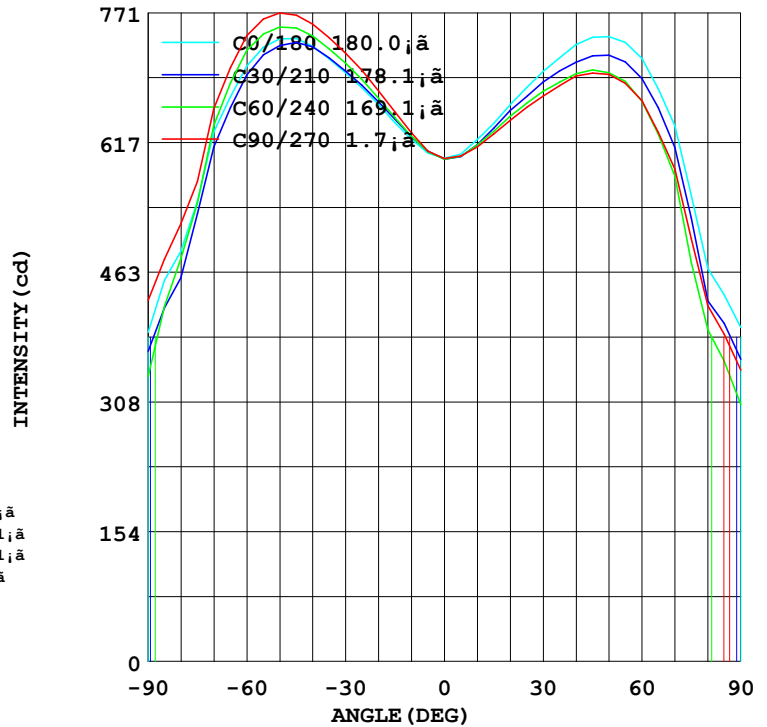
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	773.1	S/MH (C0/180)	1.82
MODEL	FIRE FOX RING	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.87
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	3897.2	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	98.4	Current (A)	0.186
NOMINAL FLUX (lm)	3897.3	η up (%)	0.0	Power (W)	39.59
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.992
TEST VOLTAGE (V)	219.8	Effective Flux (lm)	3897.3	EEI	0.138

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-18-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 11.500 m
 Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:

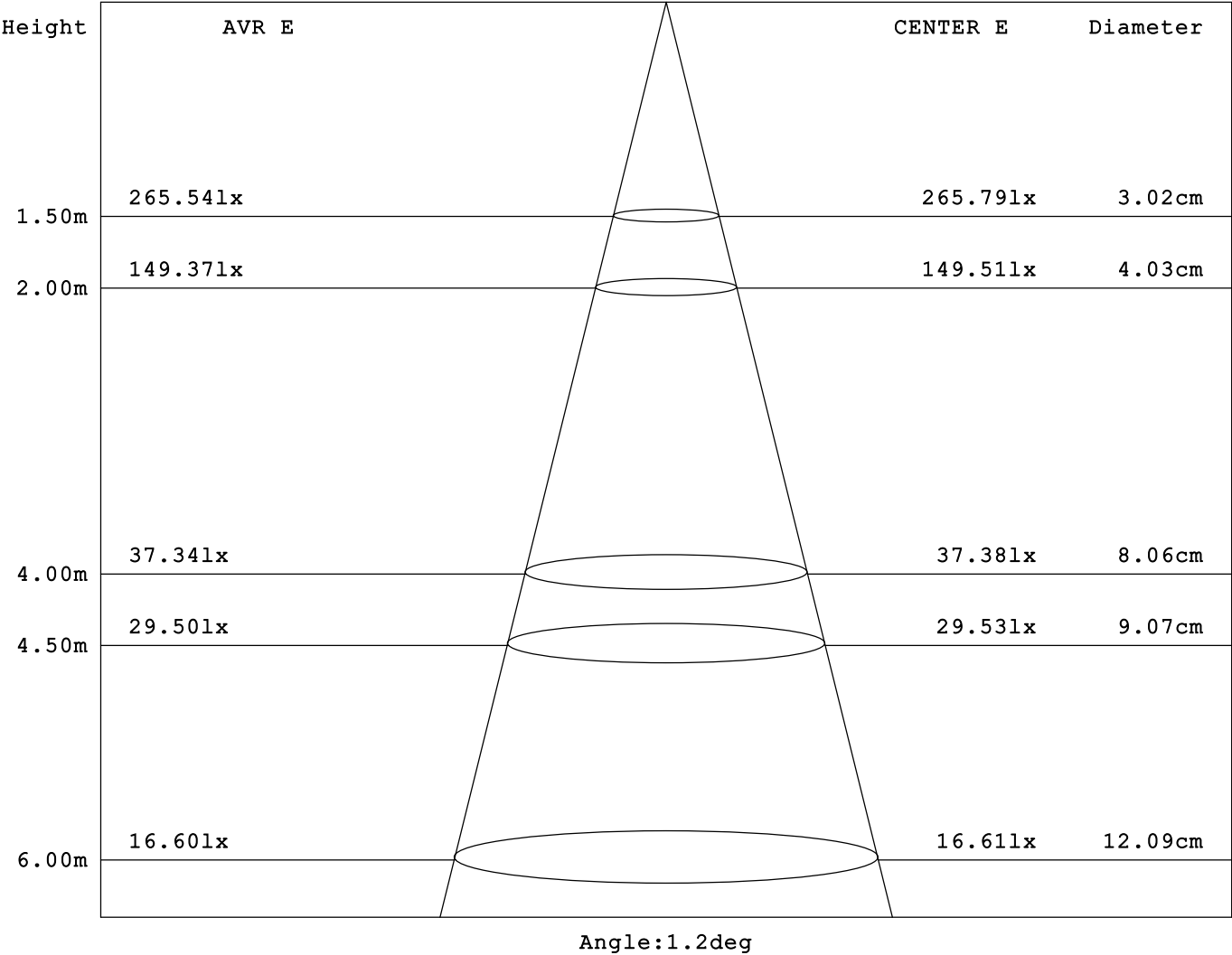
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 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: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	620.3	623.8	628.0	624.5	619.9	613.9	611.2	613.1	0- 10	58.07	58.07
20.0	662.0	667.0	677.7	673.4	661.6	651.2	642.7	648.7	10- 20	181.7	239.8
30.0	699.7	706.2	722.6	718.7	700.9	682.9	671.9	680.2	20- 30	314.9	554.8
40.0	731.0	736.8	757.5	755.1	732.9	705.2	695.8	705.4	30- 40	447.9	1003
50.0	739.8	742.9	770.8	768.1	742.7	710.1	697.7	708.1	40- 50	567.3	1570
60.0	707.5	711.4	743.6	741.2	716.6	679.3	666.4	675.0	50- 60	647.6	2218
70.0	629.1	624.2	656.8	653.6	636.5	593.7	585.2	590.6	60- 70	658.5	2876
80.0	487.3	467.1	520.1	497.5	466.8	411.2	422.5	430.2	70- 80	566.2	3443
90.0	391.0	353.6	429.2	397.5	396.7	332.3	346.0	332.4	80- 90	454.7	3897
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:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

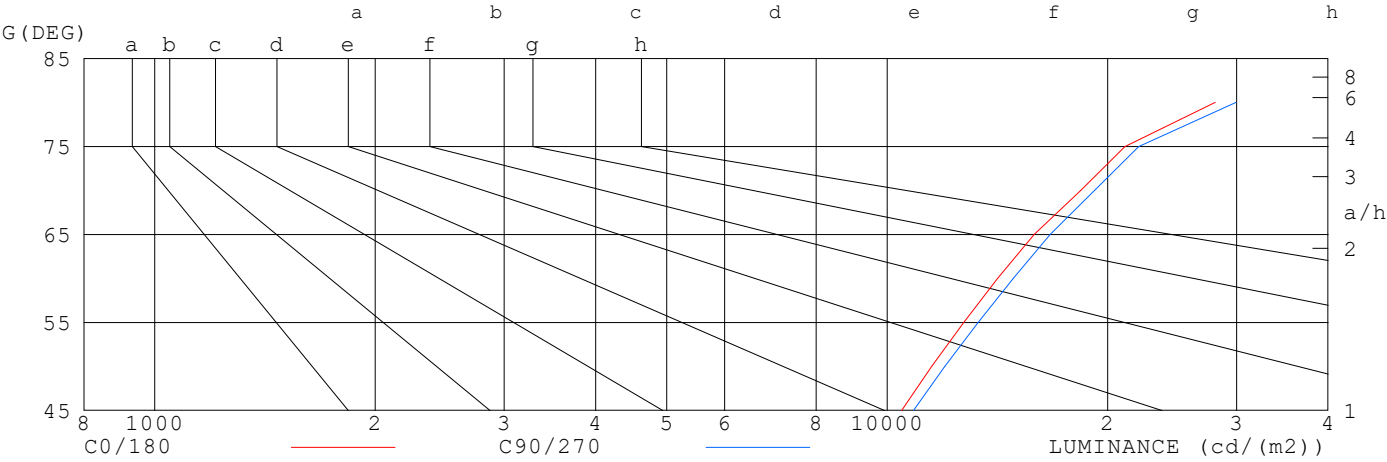
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 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	52001	54854
80	28065	29954
75	21134	22049
70	18394	19206
65	15881	16698
60	14151	14873
55	12725	13313
50	11509	11993
45	10468	10863

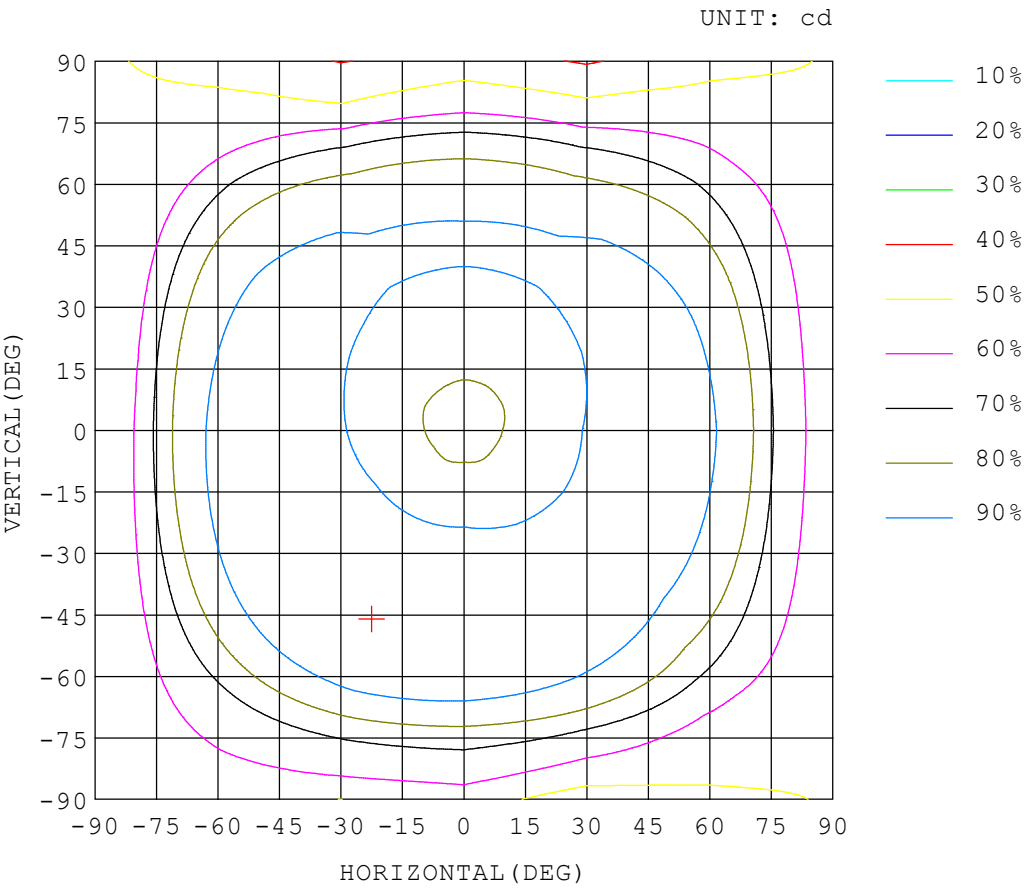
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



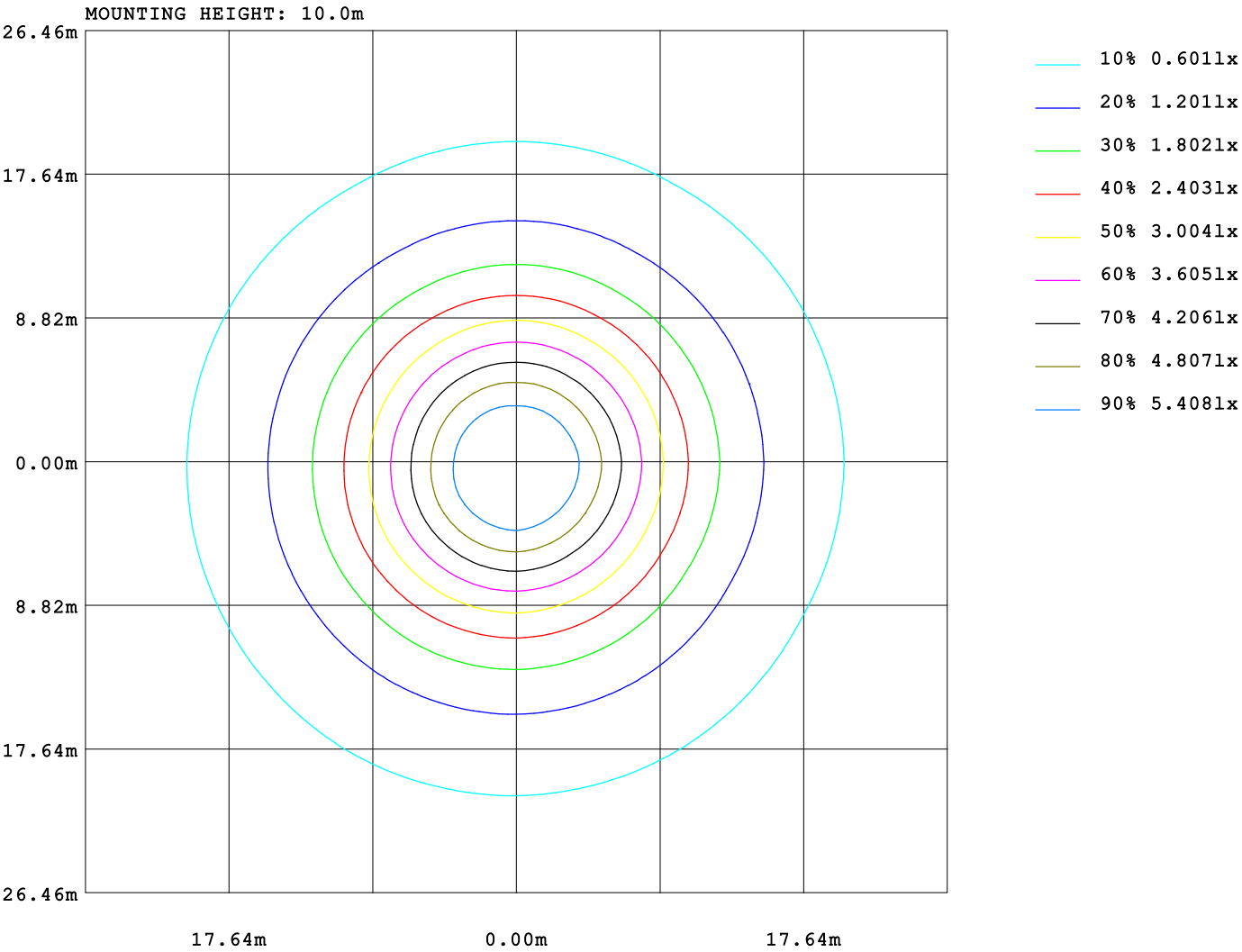
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: FIRE FOX RING										TYPE: 5700K CRI-90					WEIGHT:					
SPECIFICATION:										DIMENSION: D-495 H-90 MM					SERIAL No.:					

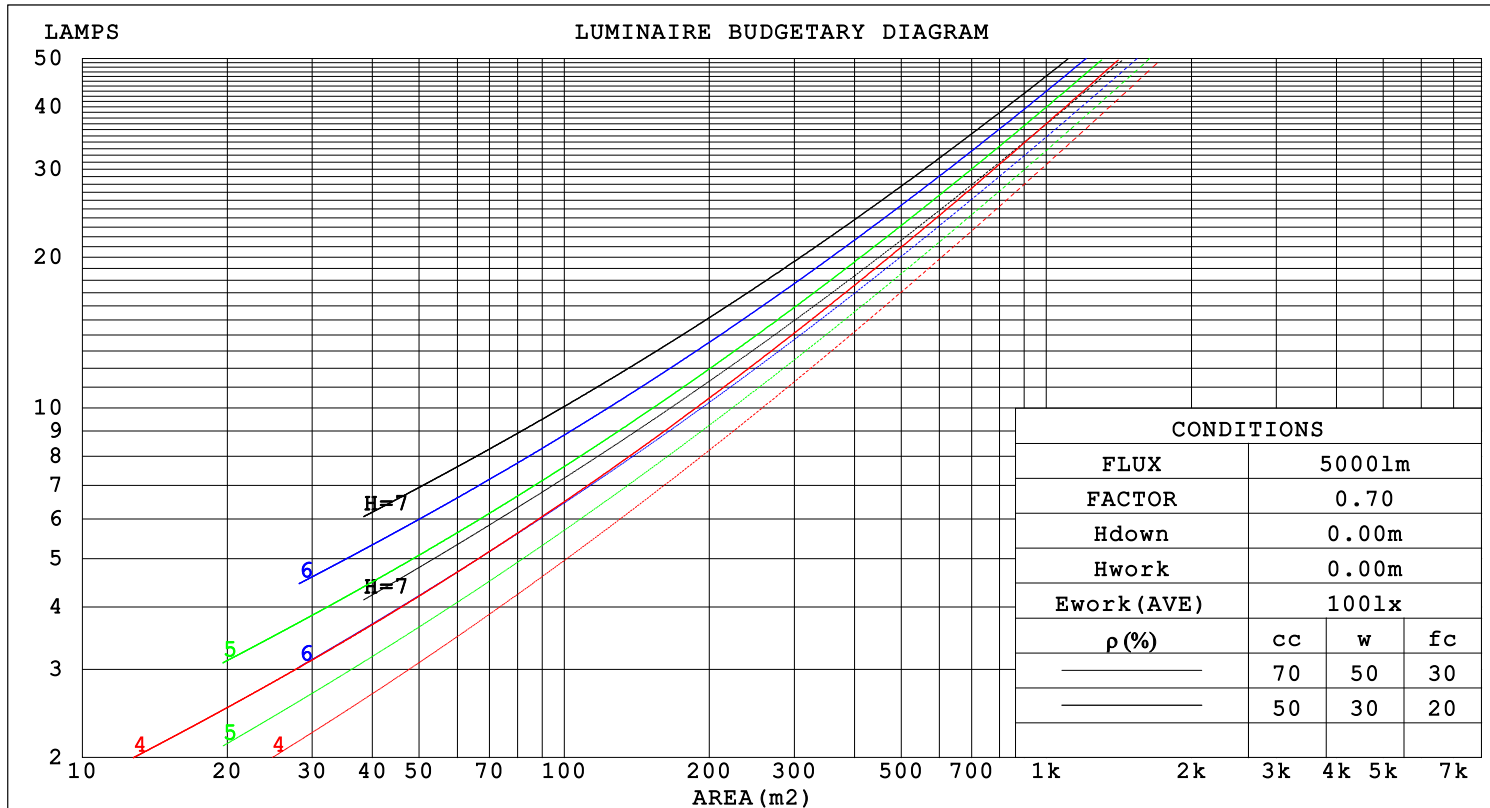
90 80 70 60 50 40 30 <

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

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	.96	.89	.83	.93	.87	.82	.89	.84	.79	.85	.80	.77	.81	.77	.74	.72														
2.0	.80	.71	.63	.78	.69	.62	.74	.67	.60	.70	.64	.59	.67	.62	.57	.55														
3.0	.68	.58	.49	.66	.57	.49	.63	.55	.48	.60	.53	.47	.57	.51	.46	.43														
4.0	.59	.48	.40	.57	.47	.39	.55	.46	.39	.52	.44	.38	.50	.43	.38	.35														
5.0	.52	.41	.33	.50	.40	.33	.48	.39	.32	.46	.38	.32	.44	.37	.31	.29														
6.0	.46	.35	.28	.45	.35	.28	.43	.34	.27	.41	.33	.27	.39	.32	.27	.24														
7.0	.41	.31	.24	.40	.31	.24	.38	.30	.24	.37	.29	.23	.35	.28	.23	.21														
8.0	.37	.27	.21	.36	.27	.21	.35	.27	.21	.34	.26	.20	.32	.25	.20	.18														
9.0	.34	.25	.18	.33	.24	.18	.32	.24	.18	.31	.23	.18	.30	.23	.18	.16														
10.0	.31	.22	.16	.30	.22	.16	.29	.22	.16	.28	.21	.16	.27	.21	.16	.14														



Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: FIRE FOX RING							TYPE: 5700K CRI-90					WEIGHT:		
SPECIFICATION:							DIMENSION: D-495 H-90 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	.467	.266	.084	.460	.262	.083	.446	.256	.082	.433	.250	.080	.421	.244	.079	
2.0	.394	.216	.066	.387	.213	.066	.374	.208	.065	.363	.203	.064	.352	.199	.063	
3.0	.343	.183	.055	.337	.181	.054	.326	.177	.054	.315	.173	.053	.306	.169	.052	
4.0	.304	.158	.046	.299	.156	.046	.289	.153	.046	.280	.150	.045	.271	.147	.045	
5.0	.273	.139	.040	.269	.138	.040	.260	.135	.040	.252	.133	.039	.244	.130	.039	
6.0	.248	.124	.036	.244	.123	.035	.236	.121	.035	.229	.119	.035	.222	.117	.035	
7.0	.227	.112	.032	.223	.111	.032	.216	.109	.031	.210	.107	.031	.203	.106	.031	
8.0	.209	.102	.029	.206	.101	.029	.199	.100	.028	.194	.098	.028	.188	.097	.028	
9.0	.194	.094	.026	.191	.093	.026	.185	.091	.026	.180	.090	.026	.175	.089	.026	
10.0	.180	.086	.024	.178	.086	.024	.173	.085	.024	.168	.083	.024	.163	.082	.024	

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	.191	.155	.122	.164	.133	.105	.112	.091	.073	.064	.053	.042	.021	.017	.014	
2.0	.186	.131	.086	.159	.113	.074	.109	.078	.052	.063	.046	.030	.020	.015	.010	
3.0	.179	.115	.064	.153	.099	.055	.105	.069	.039	.061	.040	.023	.020	.013	.008	
4.0	.170	.102	.050	.146	.088	.044	.101	.062	.031	.058	.036	.018	.019	.012	.006	
5.0	.162	.092	.041	.139	.080	.035	.096	.056	.025	.056	.033	.015	.018	.011	.005	
6.0	.154	.084	.034	.132	.073	.030	.091	.051	.021	.053	.030	.013	.017	.010	.004	
7.0	.146	.077	.029	.126	.067	.026	.087	.047	.018	.050	.028	.011	.016	.009	.004	
8.0	.139	.072	.026	.119	.062	.022	.083	.044	.016	.048	.026	.009	.016	.008	.003	
9.0	.132	.067	.023	.113	.058	.020	.079	.041	.014	.046	.024	.008	.015	.008	.003	
10.0	.125	.062	.021	.108	.054	.018	.075	.038	.013	.044	.023	.008	.014	.007	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.500 m
 Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: FIRE FOX RING					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-495 H-90 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	22.0	23.8	22.3	24.1	24.3	22.3	24.1	22.6	24.3	24.6
	3H	24.8	26.5	25.1	26.8	27.0	25.1	26.8	25.4	27.1	27.3
	4H	26.2	27.8	26.5	28.1	28.3	26.4	28.1	26.8	28.3	28.6
	6H	27.6	29.1	27.9	29.4	29.7	27.9	29.5	28.3	29.8	30.1
	8H	28.5	30.0	28.8	30.3	30.6	28.8	30.3	29.2	30.6	30.9
	12H	29.4	30.9	29.8	31.2	31.5	29.8	31.2	30.1	31.5	31.9
4H	2H	23.1	24.7	23.4	25.0	25.2	23.3	24.9	23.6	25.2	25.4
	3H	25.9	27.4	26.3	27.7	28.0	26.2	27.6	26.5	27.9	28.3
	4H	27.4	28.7	27.8	29.1	29.4	27.6	29.0	28.0	29.3	29.7
	6H	29.0	30.2	29.4	30.6	31.0	29.3	30.6	29.7	30.9	31.3
	8H	30.0	31.2	30.4	31.5	31.9	30.3	31.5	30.7	31.8	32.2
	12H	31.1	32.2	31.5	32.6	33.0	31.4	32.5	31.8	32.9	33.3
8H	4H	28.0	29.1	28.4	29.5	29.9	28.2	29.4	28.6	29.7	30.1
	6H	29.9	30.9	30.3	31.3	31.7	30.2	31.2	30.6	31.6	32.0
	8H	31.1	32.0	31.5	32.4	32.9	31.3	32.3	31.8	32.7	33.2
	12H	32.4	33.2	32.8	33.6	34.1	32.6	33.4	33.1	33.9	34.4
12H	4H	28.1	29.2	28.6	29.6	30.0	28.3	29.4	28.8	29.8	30.2
	6H	30.2	31.1	30.6	31.5	32.0	30.4	31.3	30.9	31.8	32.2
	8H	31.4	32.3	31.9	32.7	33.2	31.7	32.5	32.2	33.0	33.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 3897 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.7)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

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: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 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) $k(RI) \times RCR = 5$									
$k = 0.60$	47	34	26	46	34	26	45	33	26	18
0.80	57	43	34	55	42	34	53	41	33	25
1.00	65	51	42	63	50	41	61	52	41	32
1.25	72	58	49	70	57	49	67	56	48	39
1.50	77	64	55	75	63	54	72	61	53	44
2.00	85	73	64	83	72	64	79	69	62	52
2.50	90	79	71	88	78	70	83	75	68	58
3.00	94	84	76	91	82	75	87	79	73	63
4.00	99	91	84	96	89	82	92	85	80	69
5.00	102	95	89	100	93	87	95	89	84	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

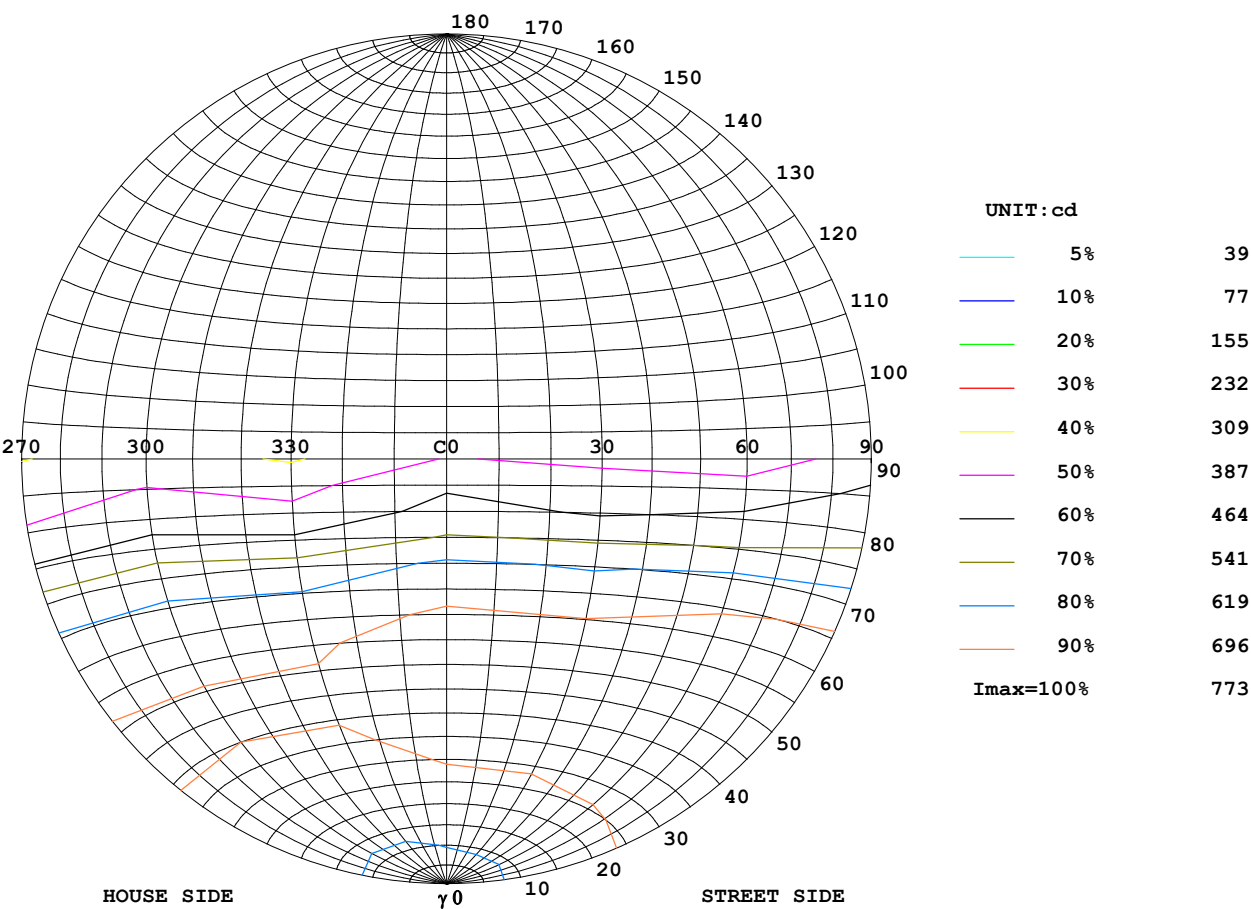
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ISOCANDELA DIAGRAM

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NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



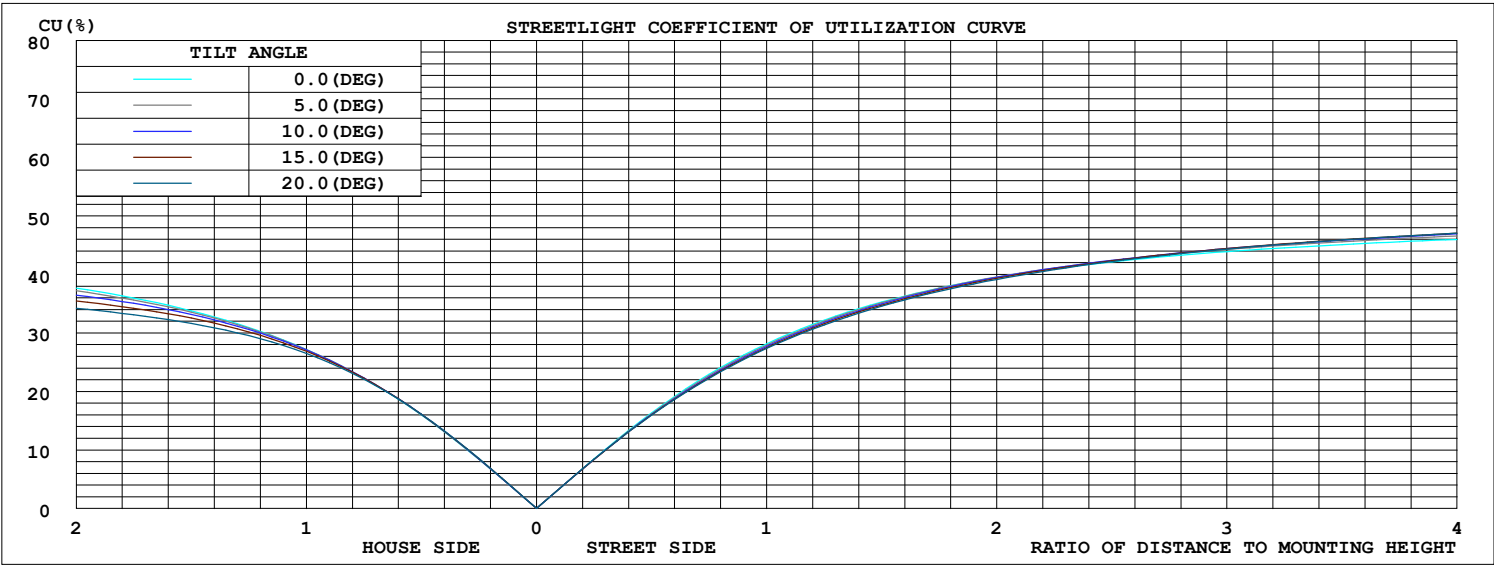
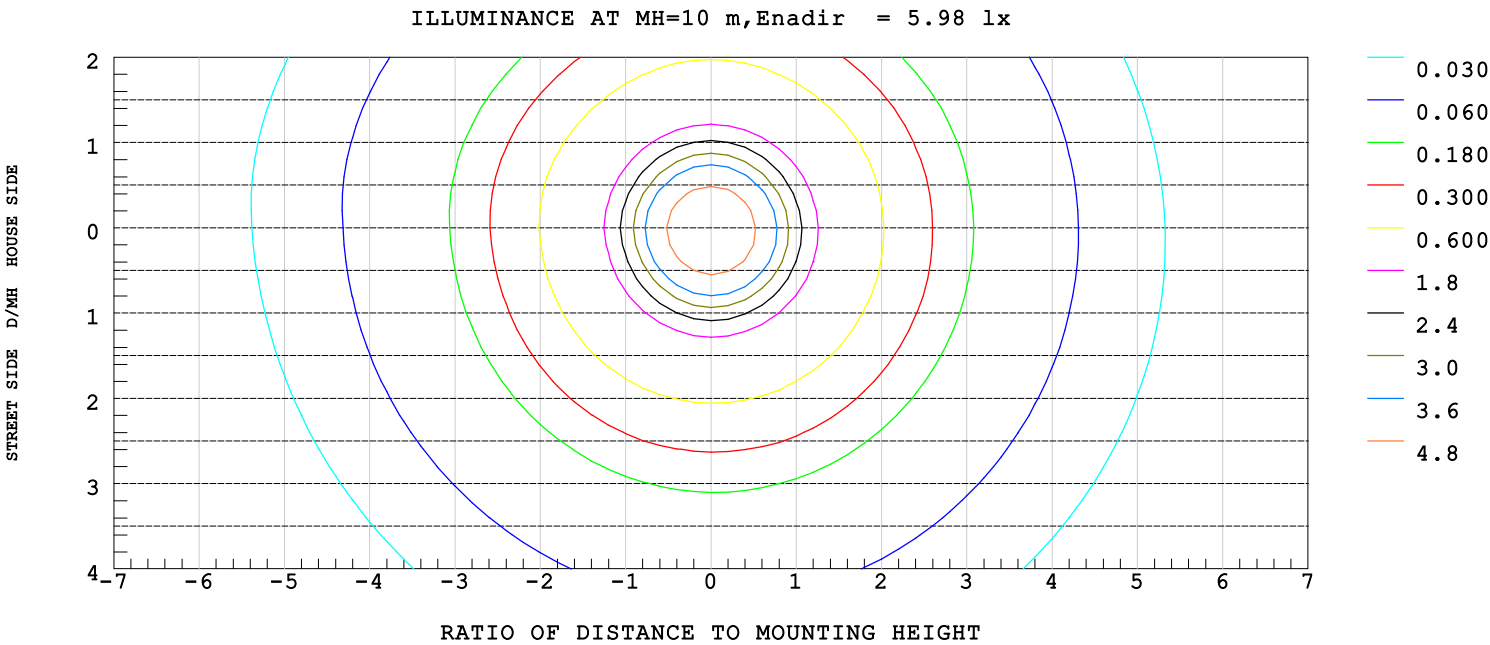
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ISOLUX DIAGRAM

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



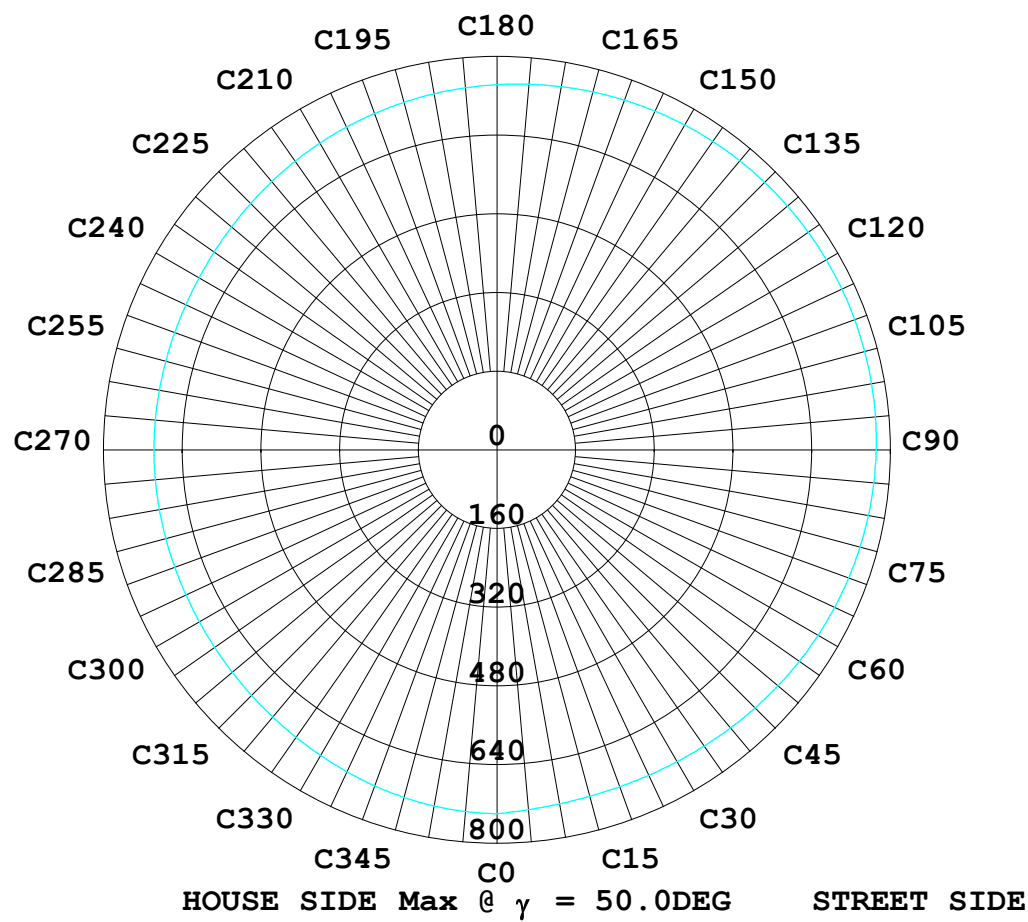
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.500 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: FIRE FOX RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-495 H-90 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	598	597	597	598	597	598	598	597	597	598	597	598
5.0	604	606	606	606	605	606	603	600	600	601	599	601
10.0	620	624	624	628	625	624	620	614	614	611	612	614
15.0	640	644	646	653	650	648	639	634	630	627	628	632
20.0	662	665	669	678	675	672	662	655	648	643	646	651
25.0	682	685	692	703	700	695	682	671	664	658	662	669
30.0	700	702	711	723	721	716	701	688	678	672	676	685
35.0	716	718	728	741	740	734	717	702	689	684	687	699
40.0	731	730	743	758	758	752	733	712	698	696	698	713
45.0	740	736	753	768	770	763	742	720	703	699	703	719
50.0	740	732	754	771	773	763	743	721	700	698	699	717
55.0	730	721	745	764	767	754	736	713	689	687	687	708
60.0	708	697	726	744	749	733	717	693	666	666	663	687
65.0	671	658	688	706	711	694	681	658	626	629	621	649
70.0	629	611	637	657	662	646	637	611	577	585	573	608
75.0	547	532	545	571	570	558	554	527	474	503	478	528
80.0	487	456	478	520	507	488	467	428	394	423	405	455
85.0	453	420	422	478	465	457	436	402	357	389	362	410
90.0	391	369	339	429	386	409	397	359	305	346	301	364

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