

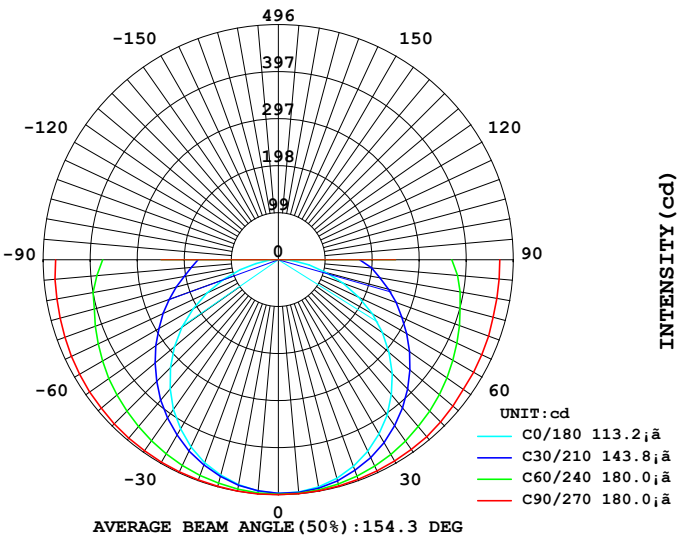
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

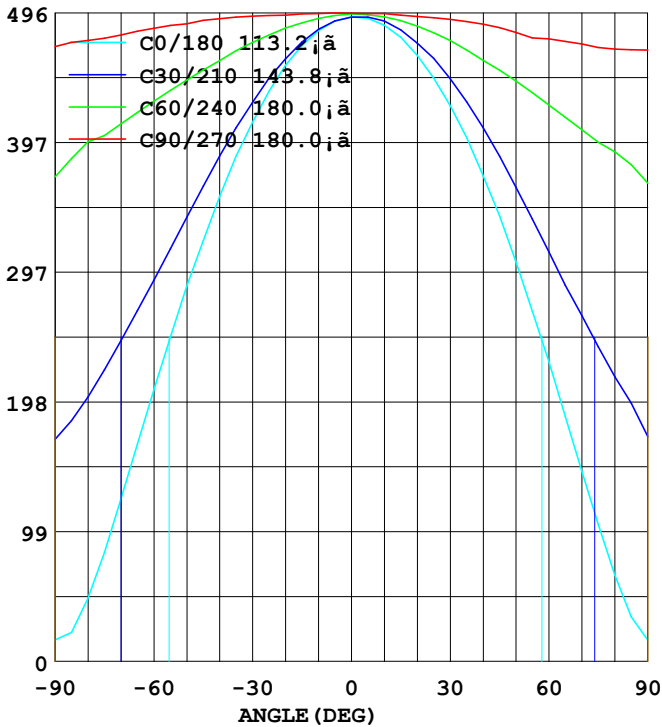
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	496.3	S/MH (C0/180)	1.24
MODEL	CYLIN GLOW	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.52
NOMINAL POWER (W)	20	TOTAL FLUX (lm)	2293.6	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	116.4	Current (A)	0.088
NOMINAL FLUX (lm)	2293.6	η up (%)	0.0	Power (W)	19.70
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.978
TEST VOLTAGE (V)	219.8	Effictive Flux(lm)	2290.0	EEI	0.117

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:

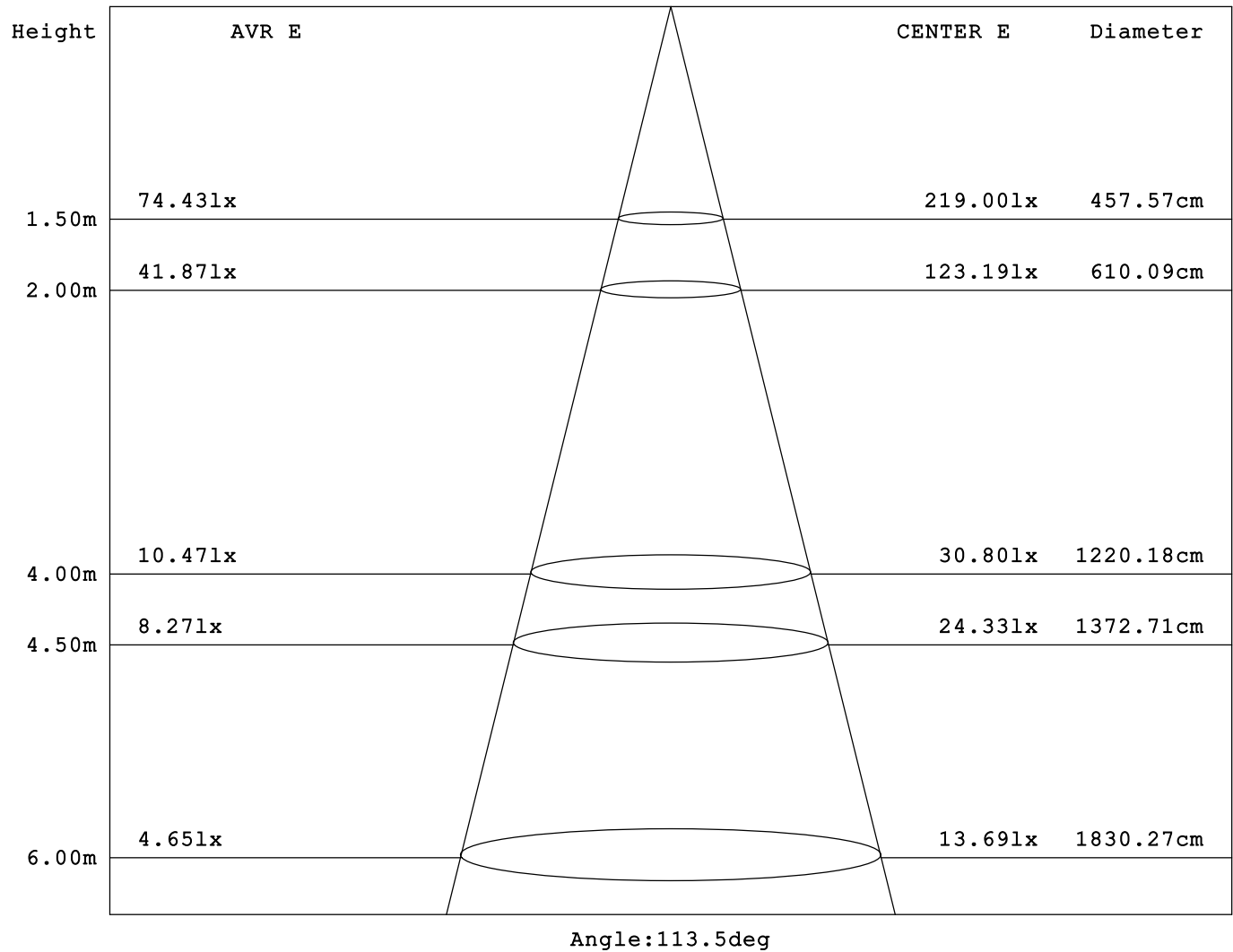
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Temperature:25.3DEG
Operators:
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Humidity:65.0%
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Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

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NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	482.1	487.3	495.1	491.4	486.2	491.0	495.0	490.2	0- 10	46.97	46.97
20.0	455.6	472.3	493.8	478.4	463.4	479.1	493.0	475.8	10- 20	136.9	183.9
30.0	412.1	450.1	493.1	458.6	424.8	459.9	490.6	454.0	20- 30	215.6	399.6
40.0	355.5	422.7	491.1	433.2	371.2	433.7	486.9	426.2	30- 40	277.5	677.1
50.0	286.7	391.8	487.2	402.6	305.4	402.9	480.6	393.7	40- 50	318.7	995.9
60.0	207.2	359.6	483.8	369.5	229.0	368.9	475.8	359.4	50- 60	338.2	1334
70.0	123.7	327.7	478.7	336.2	145.1	335.2	471.7	326.1	60- 70	338.1	1672
80.0	48.17	299.4	474.5	303.9	65.79	303.5	467.8	295.8	70- 80	322.5	1995
90.0	16.55	270.0	469.8	269.4	16.28	268.7	467.3	265.4	80- 90	298.7	2294
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:05-31-2025

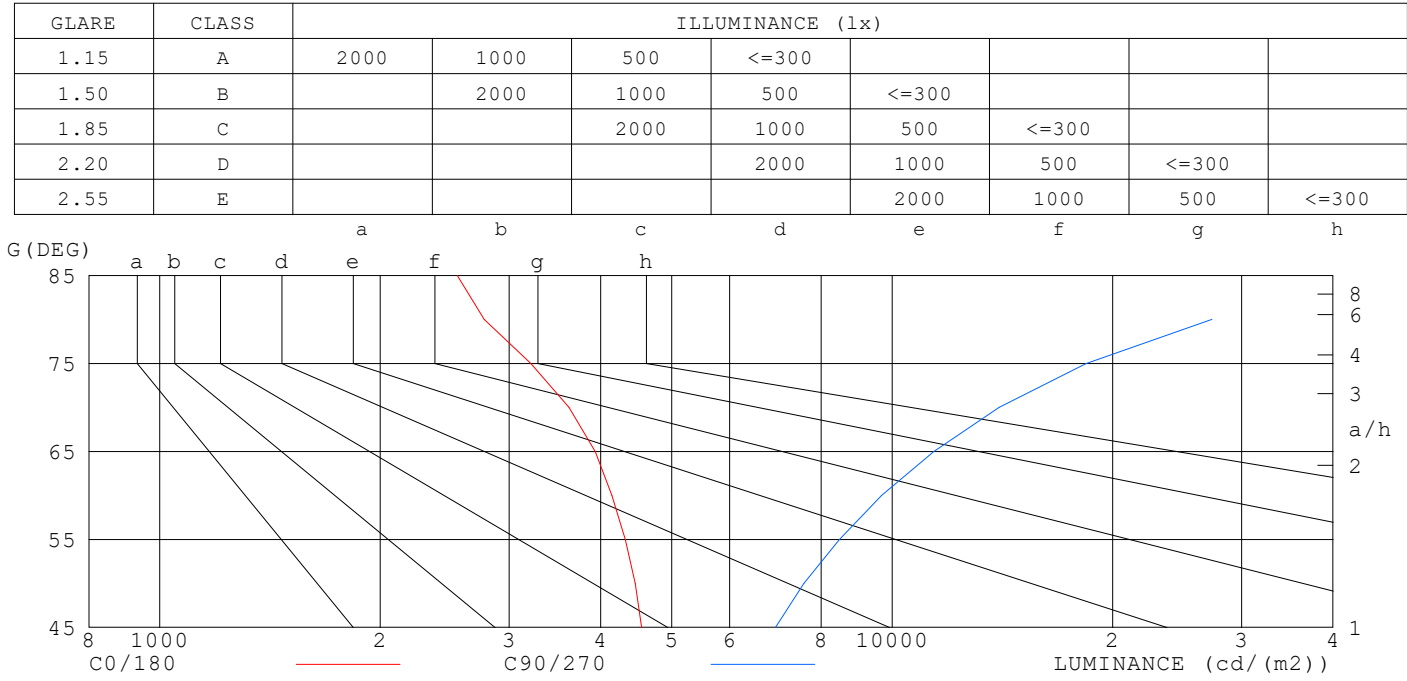
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	2547	54268
80	2774	27331
75	3213	18404
70	3620	13998
65	3932	11395
60	4144	9678
55	4321	8476
50	4461	7580
45	4550	6931

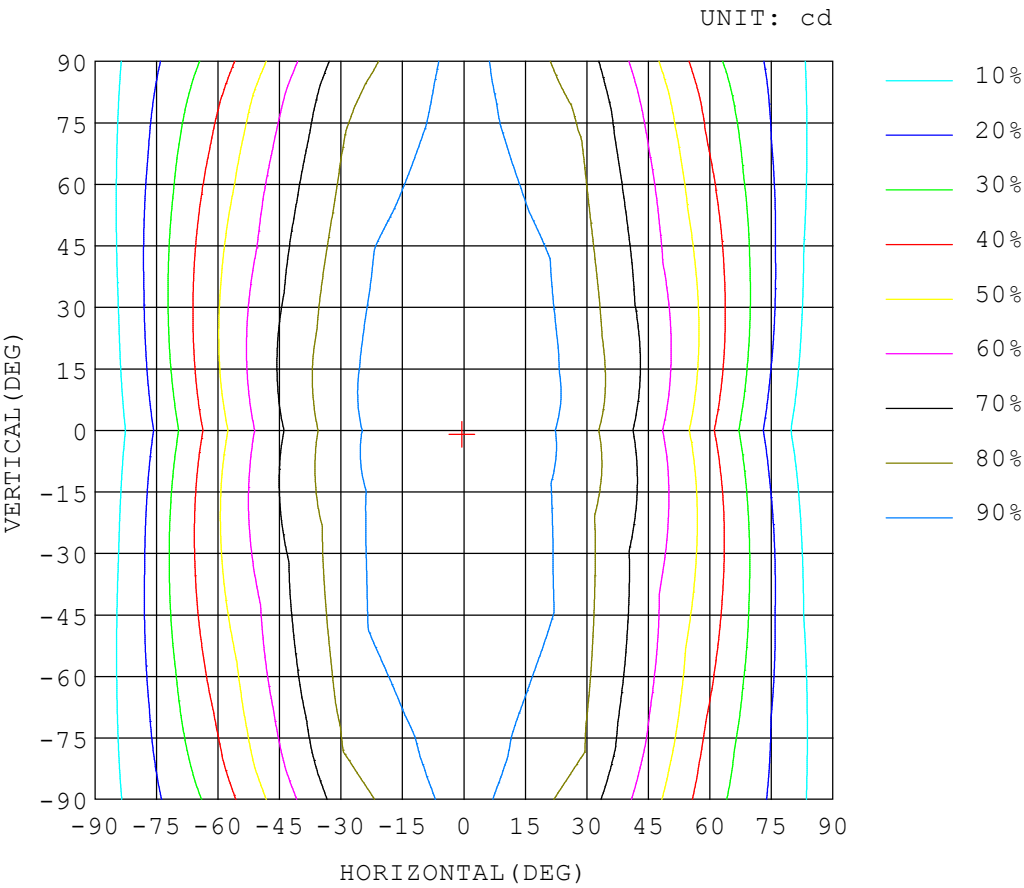
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Temperature:25.3DEG
Operators:
Test Date:05-31-2025

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:



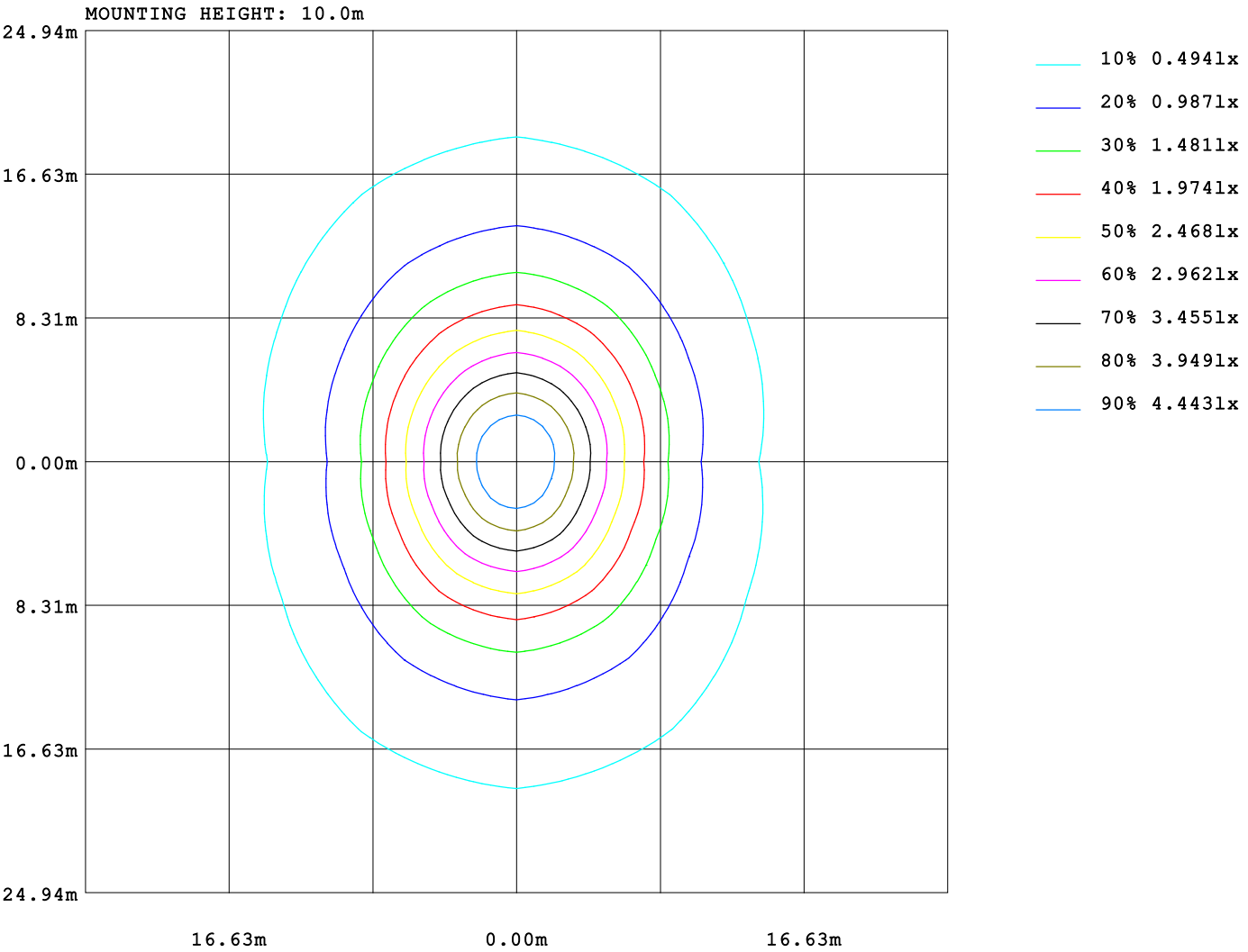
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Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: CYLIN GLOW

TYPE: 5700K CRI-90

WEIGHT:

SPECIFICATION:

DIMENSION: L-1200 D-32 MM

SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90			
90 80 70 60 50 40 30 <																						

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.600 m
 Remarks: 5700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: CYLIN GLOW

TYPE: 5700K CRI-90

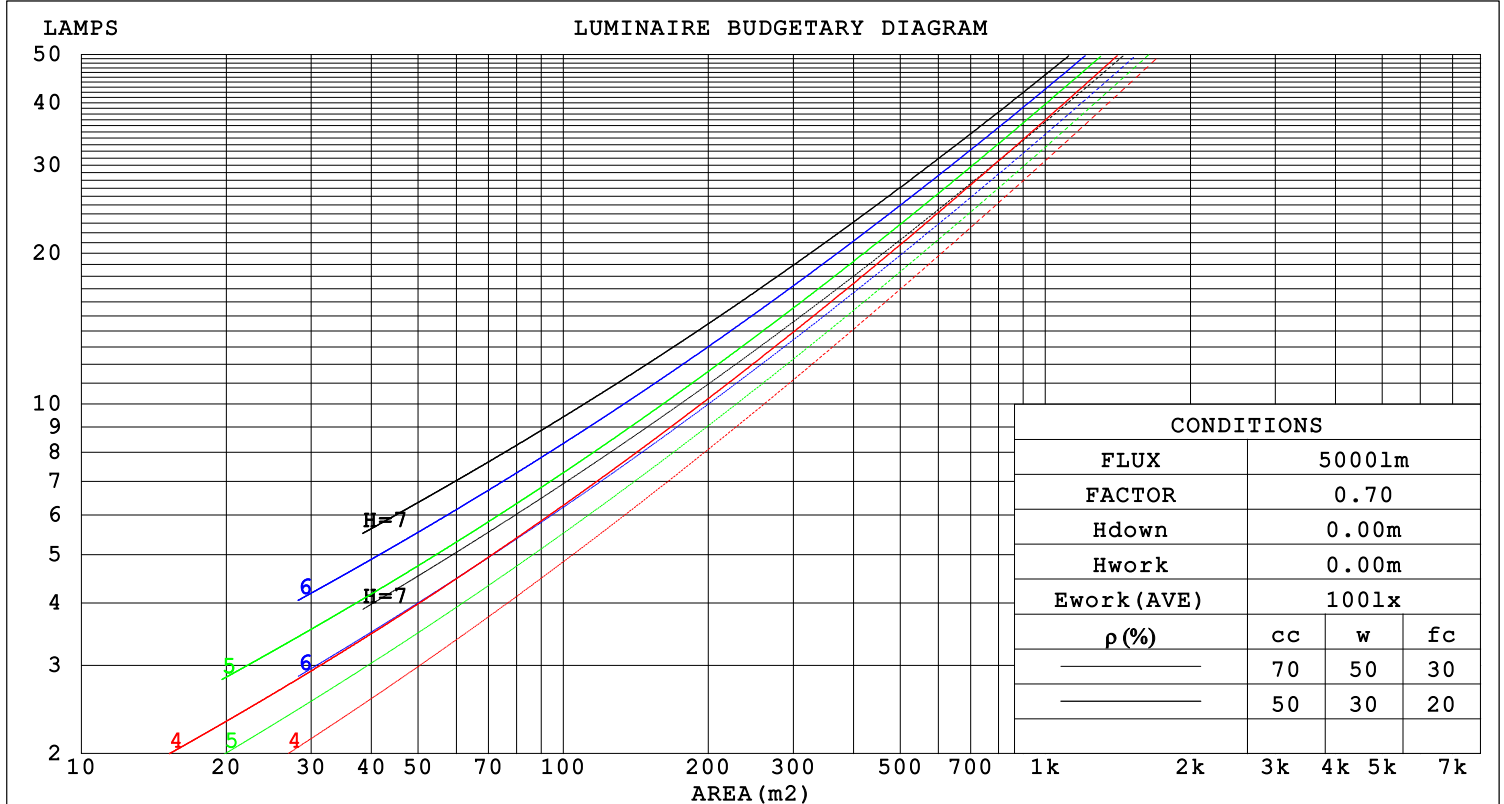
WEIGHT:

SPECIFICATION:

DIMENSION: L-1200 D-32 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															



Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 11.600 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS															
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019															
NAME: CYLIN GLOW								TYPE: 5700K CRI-90				WEIGHT:			
SPECIFICATION:								DIMENSION: L-1200 D-32 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	.470	.267	.085	.462	.264	.084	.448	.257	.082	.435	.251	.081	.423	.245	.079	
2.0	.389	.213	.065	.382	.211	.065	.370	.206	.064	.358	.201	.063	.348	.197	.062	
3.0	.337	.179	.054	.331	.177	.053	.320	.173	.053	.310	.170	.052	.300	.166	.051	
4.0	.298	.155	.046	.293	.153	.045	.283	.150	.045	.274	.147	.044	.265	.144	.044	
5.0	.267	.136	.039	.263	.135	.039	.254	.132	.039	.246	.130	.039	.238	.127	.038	
6.0	.243	.122	.035	.239	.120	.035	.231	.118	.034	.224	.116	.034	.217	.114	.034	
7.0	.222	.110	.031	.218	.109	.031	.212	.107	.031	.205	.105	.031	.199	.103	.030	
8.0	.205	.100	.028	.201	.099	.028	.195	.098	.028	.189	.096	.028	.184	.094	.028	
9.0	.190	.092	.026	.187	.091	.026	.181	.090	.025	.176	.088	.025	.171	.087	.025	
10.0	.177	.085	.024	.174	.084	.023	.169	.083	.023	.165	.082	.023	.160	.081	.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	.191	.155	.122	.164	.133	.105	.112	.091	.072	.064	.053	.042	.021	.017	.014	
2.0	.185	.131	.086	.159	.113	.075	.109	.078	.052	.063	.046	.030	.020	.015	.010	
3.0	.177	.115	.065	.152	.099	.056	.104	.069	.039	.060	.040	.023	.019	.013	.008	
4.0	.169	.102	.051	.145	.088	.044	.100	.061	.031	.058	.036	.018	.019	.012	.006	
5.0	.160	.092	.042	.138	.080	.036	.095	.056	.026	.055	.033	.015	.018	.011	.005	
6.0	.152	.084	.035	.131	.073	.030	.090	.051	.022	.052	.030	.013	.017	.010	.004	
7.0	.144	.077	.030	.124	.067	.026	.086	.047	.019	.050	.028	.011	.016	.009	.004	
8.0	.137	.071	.026	.118	.062	.023	.081	.043	.016	.047	.026	.010	.015	.008	.003	
9.0	.130	.066	.023	.112	.058	.020	.078	.040	.014	.045	.024	.009	.015	.008	.003	
10.0	.123	.062	.021	.106	.054	.018	.074	.038	.013	.043	.022	.008	.014	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: CYLIN GLOW						TYPE: 5700K CRI-90			WEIGHT:		
SPECIFICATION:						DIMENSION: L-1200 D-32 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	17.4	19.1	17.7	19.4	19.6	20.7	22.5	21.0	22.7	23.0
	3H	19.0	20.7	19.3	20.9	21.2	24.0	25.7	24.3	25.9	26.2
	4H	19.7	21.3	20.0	21.5	21.8	25.9	27.5	26.2	27.8	28.0
	6H	20.1	21.6	20.5	21.9	22.2	28.0	29.5	28.4	29.8	30.1
	8H	20.2	21.7	20.6	22.0	22.3	29.2	30.7	29.6	31.0	31.3
	12H	20.3	21.8	20.7	22.1	22.4	30.5	32.0	30.9	32.3	32.6
4H	2H	19.0	20.6	19.4	20.9	21.2	21.4	23.0	21.7	23.2	23.5
	3H	21.0	22.4	21.3	22.7	23.0	24.9	26.4	25.3	26.7	27.0
	4H	21.9	23.2	22.3	23.5	23.9	27.0	28.4	27.4	28.7	29.0
	6H	22.6	23.8	23.0	24.2	24.6	29.4	30.6	29.8	30.9	31.3
	8H	22.9	24.0	23.3	24.4	24.8	30.7	31.8	31.1	32.2	32.6
	12H	23.1	24.2	23.5	24.5	25.0	32.1	33.2	32.6	33.6	34.0
8H	4H	23.6	24.7	24.0	25.1	25.5	27.4	28.6	27.9	29.0	29.4
	6H	24.8	25.8	25.2	26.2	26.6	30.1	31.1	30.6	31.5	32.0
	8H	25.3	26.2	25.8	26.7	27.1	31.7	32.6	32.1	33.0	33.5
	12H	25.8	26.6	26.3	27.0	27.5	33.4	34.2	33.9	34.7	35.1
12H	4H	24.2	25.3	24.7	25.7	26.1	27.5	28.5	27.9	28.9	29.4
	6H	25.7	26.6	26.2	27.1	27.5	30.3	31.2	30.7	31.6	32.1
	8H	26.5	27.3	27.0	27.8	28.2	31.9	32.7	32.4	33.2	33.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 2294 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.9)

Test System:HOPOO HPG1800

Temperature:25.3DEG

Operators:

Test Date:05-31-2025

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

Humidity:65.0%

Test Distance:11.600 m

Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 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) $k(RI) \times RCR = 5$									
$k = 0.60$	50	37	29	49	36	29	47	36	28	21
0.80	59	45	36	57	45	36	55	44	36	28
1.00	66	53	44	65	52	44	62	54	43	35
1.25	73	60	51	72	59	51	68	58	50	41
1.50	78	66	57	76	65	56	73	63	55	46
2.00	86	74	65	84	73	65	80	70	63	54
2.50	90	80	71	88	78	70	84	75	69	58
3.00	94	84	77	92	83	76	87	80	73	63
4.00	99	91	84	97	89	82	92	85	80	69
5.00	102	95	89	100	93	87	95	89	84	73
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

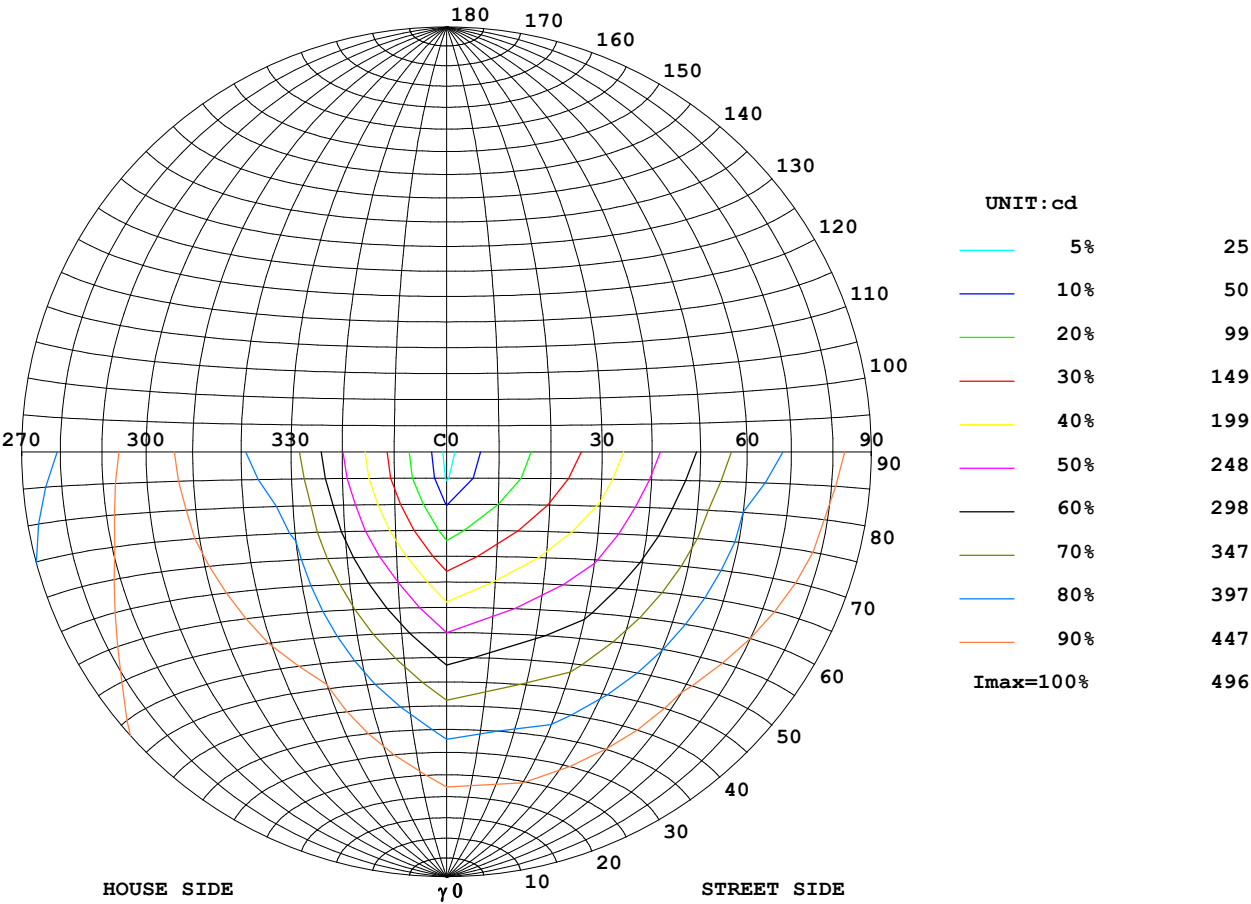
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
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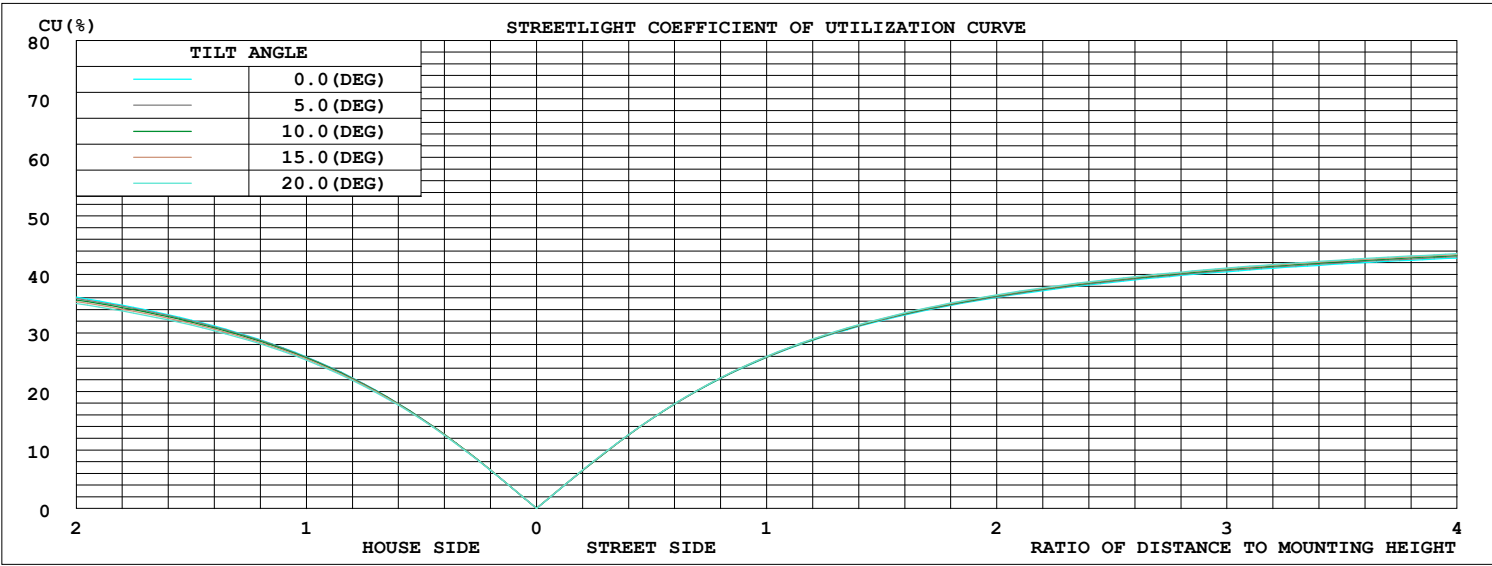
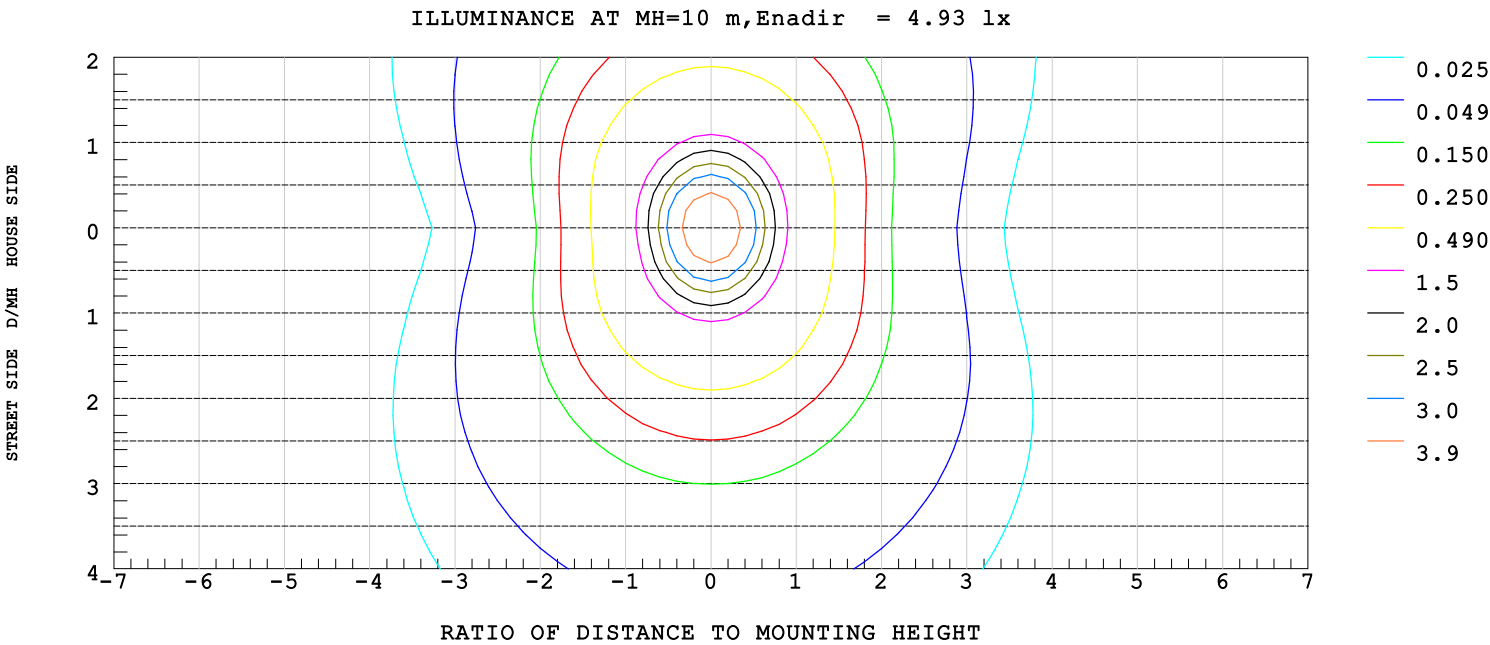
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Temperature:25.3DEG
Operators:
Test Date:05-31-2025

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ISOLUX DIAGRAM

Report number:

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NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:



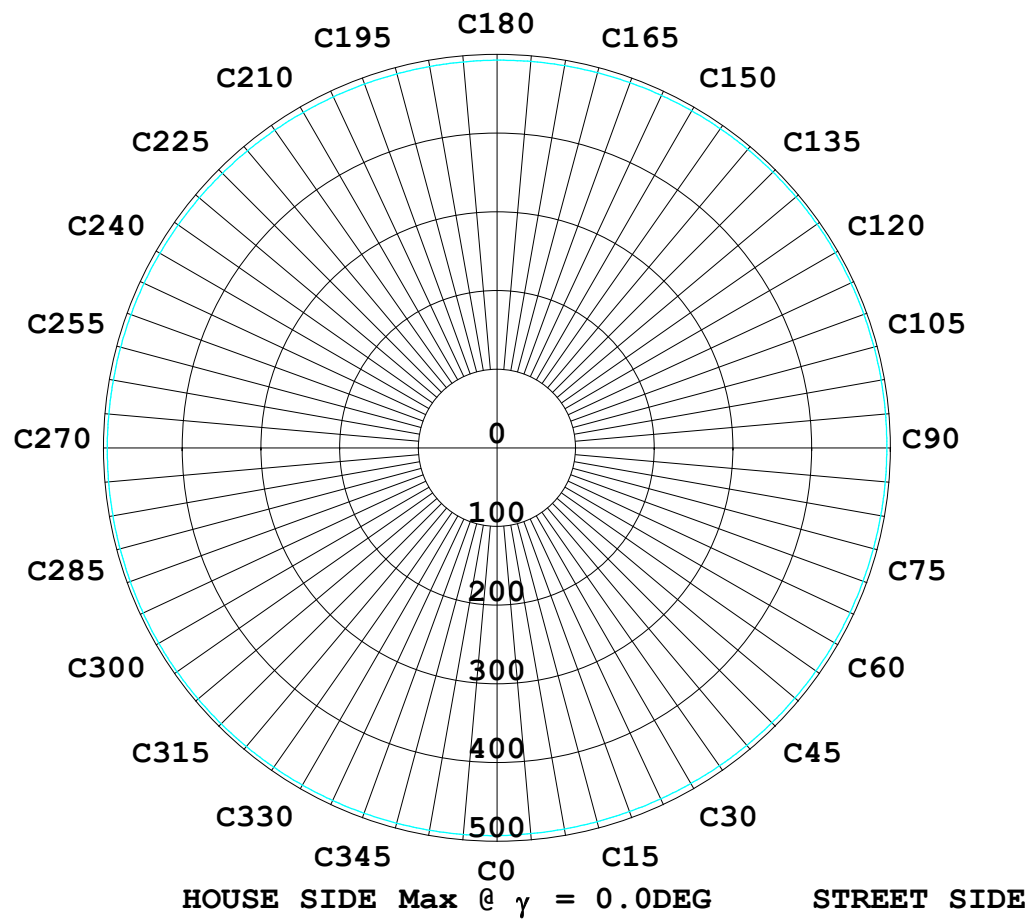
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: CYLIN GLOW	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: L-1200 D-32 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	493	492	495	495	496	495	493	492	495	495	496	495
5.0	490	489	494	496	496	493	492	492	494	495	495	493
10.0	482	483	491	495	494	489	486	489	493	495	493	488
15.0	471	473	488	495	491	481	477	483	490	494	489	480
20.0	456	461	484	494	487	469	463	473	486	493	484	468
25.0	436	446	479	494	483	456	446	461	481	492	478	454
30.0	412	427	473	493	478	439	425	446	474	491	471	437
35.0	386	408	467	492	472	421	400	427	467	489	464	417
40.0	356	386	459	491	466	401	371	408	460	487	456	396
45.0	322	363	452	490	459	378	340	386	452	484	448	373
50.0	287	339	444	487	451	355	305	362	444	481	439	348
55.0	248	315	437	486	443	330	268	338	435	476	430	323
60.0	207	291	428	484	434	305	229	313	425	476	421	297
65.0	166	268	420	482	425	281	187	288	416	474	412	272
70.0	124	245	411	479	416	256	145	264	406	472	403	249
75.0	83.1	223	402	476	404	233	105	240	397	469	394	226
80.0	48.1	202	397	475	397	211	65.7	218	389	468	388	203
85.0	22.2	184	384	473	384	193	34.0	197	380	467	377	186
90.0	16.5	170	370	470	370	169	16.2	172	366	467	367	164

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.600 m
Remarks: 5700K