

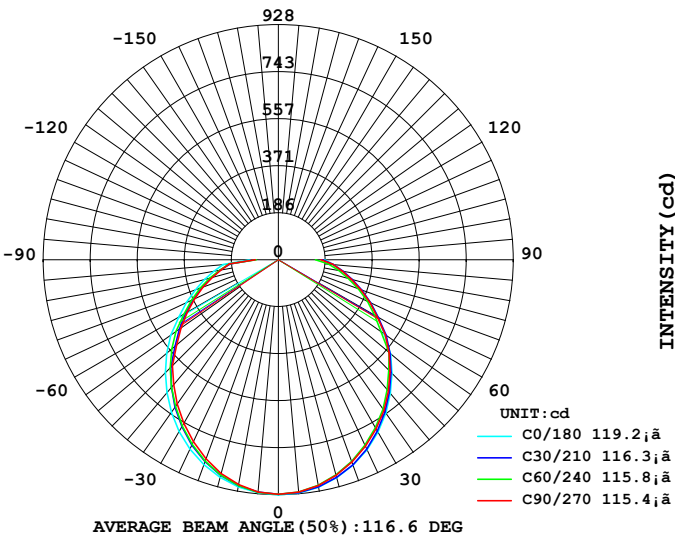
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

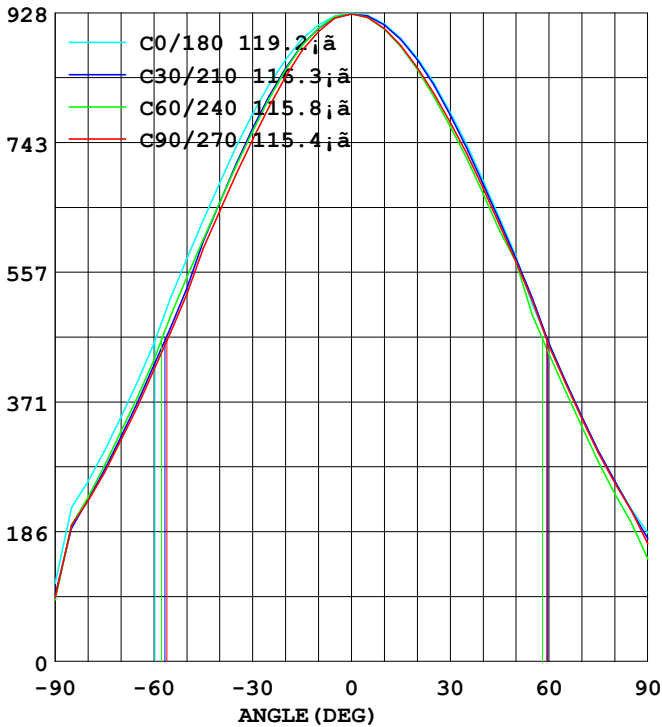
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	928.2	S/MH (C0/180)	1.26
MODEL	SLIM RING	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.21
NOMINAL POWER (W)	30	TOTAL FLUX (lm)	2984.8	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	100.2	Current (A)	0.255
NOMINAL FLUX (lm)	2984.9	η up (%)	0.0	Power (W)	29.79
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.565
TEST VOLTAGE (V)	219.8	Effictive Flux (lm)	2984.9	EEI	0.136

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

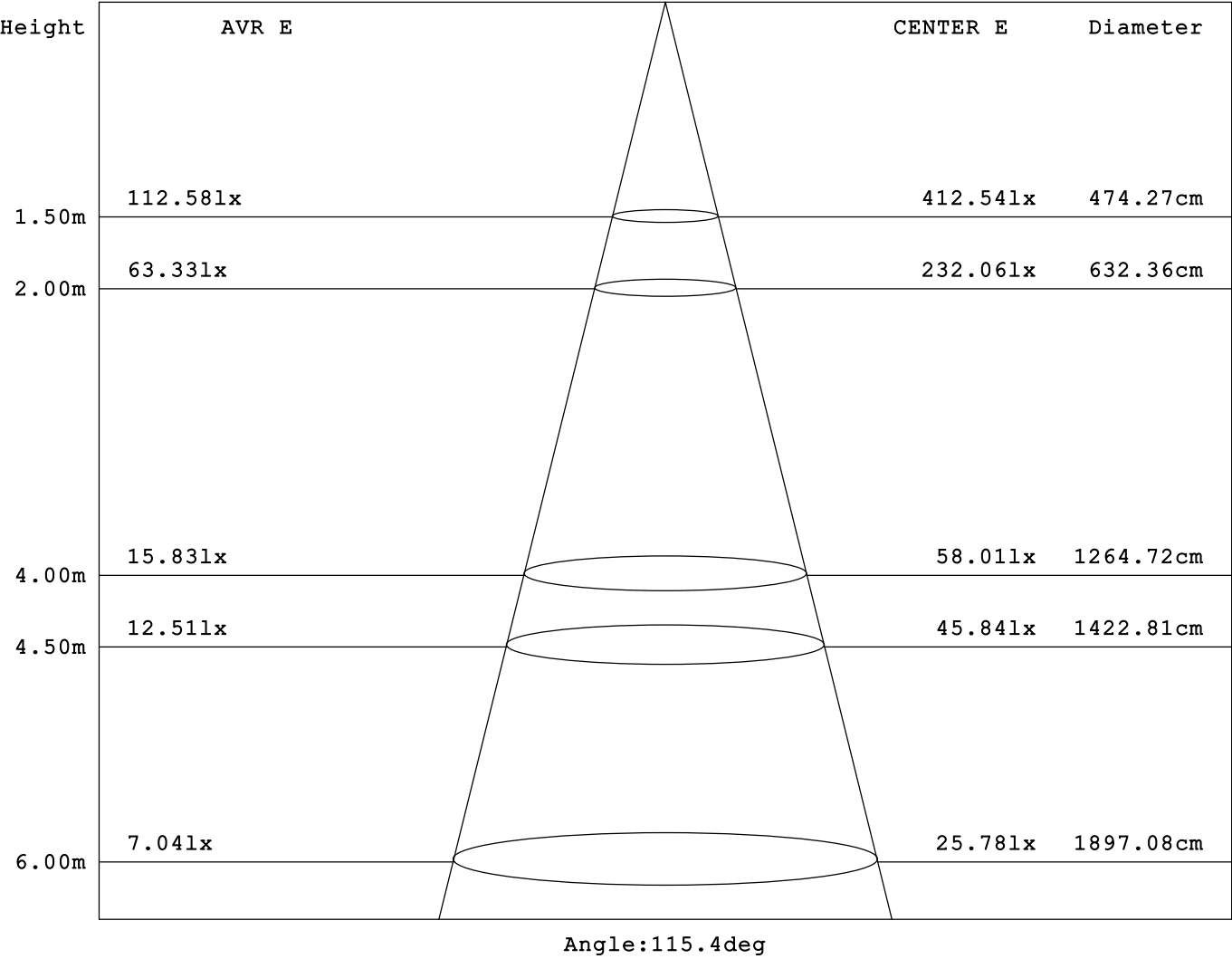
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Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 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: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	910.9	906.2	901.5	907.6	912.2	908.1	906.0	906.9	0- 10	87.56	87.56
20.0	861.2	847.6	836.9	850.6	863.8	854.7	850.1	852.0	10- 20	249.2	336.8
30.0	783.7	760.6	746.6	764.6	786.0	774.0	771.8	769.7	20- 30	374.7	711.5
40.0	684.5	656.4	643.9	660.5	688.4	676.5	677.5	670.3	30- 40	451.0	1163
50.0	575.7	541.0	525.0	544.8	579.6	574.0	571.5	556.5	40- 50	474.4	1637
60.0	454.6	427.0	416.8	429.9	455.0	447.6	451.5	440.4	50- 60	446.2	2083
70.0	349.3	324.7	316.0	327.6	349.1	343.0	347.1	336.4	60- 70	383.2	2467
80.0	257.1	232.7	229.1	237.3	257.1	249.0	255.4	243.7	70- 80	304.9	2772
90.0	111.7	91.58	91.00	112.7	183.8	161.0	168.3	139.3	80- 90	213.3	2985
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:07-08-2025

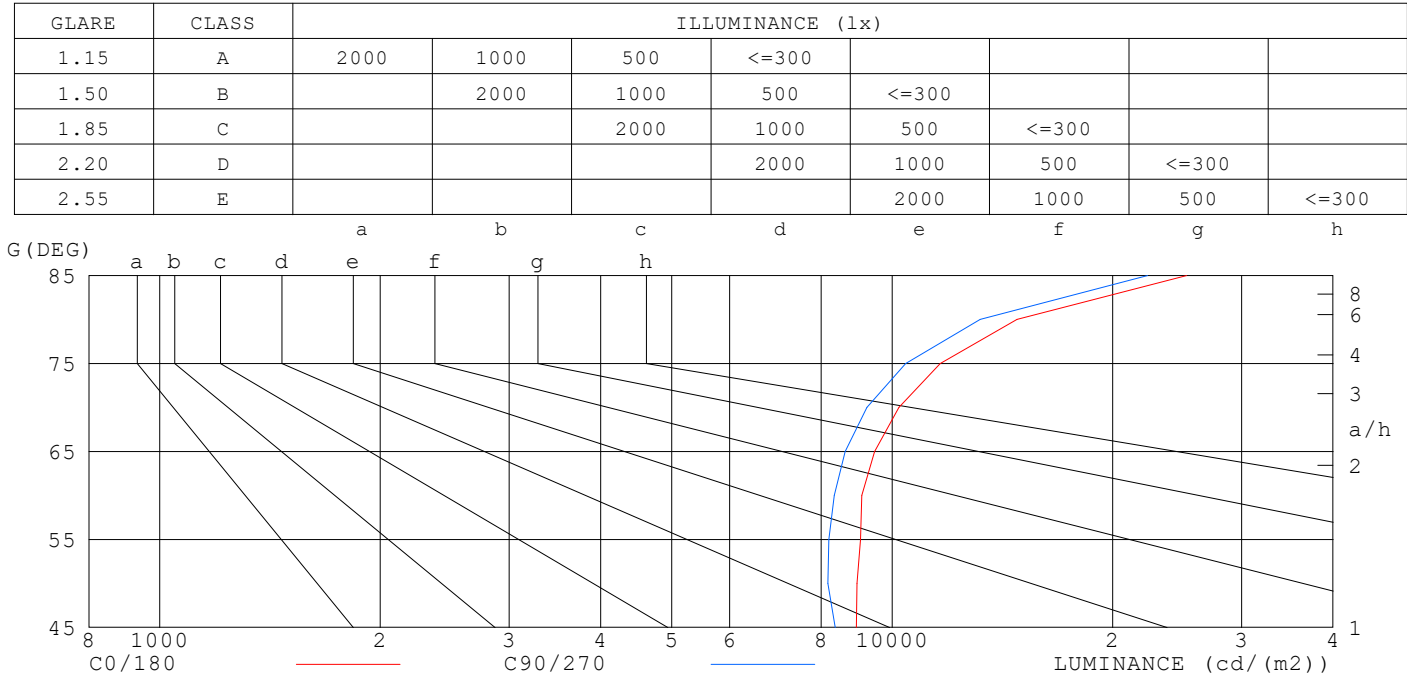
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

G (DEG)	C0/180	C90/270
85	25246	22338
80	14811	13194
75	11628	10438
70	10214	9242
65	9469	8624
60	9092	8338
55	9056	8192
50	8956	8168
45	8934	8362

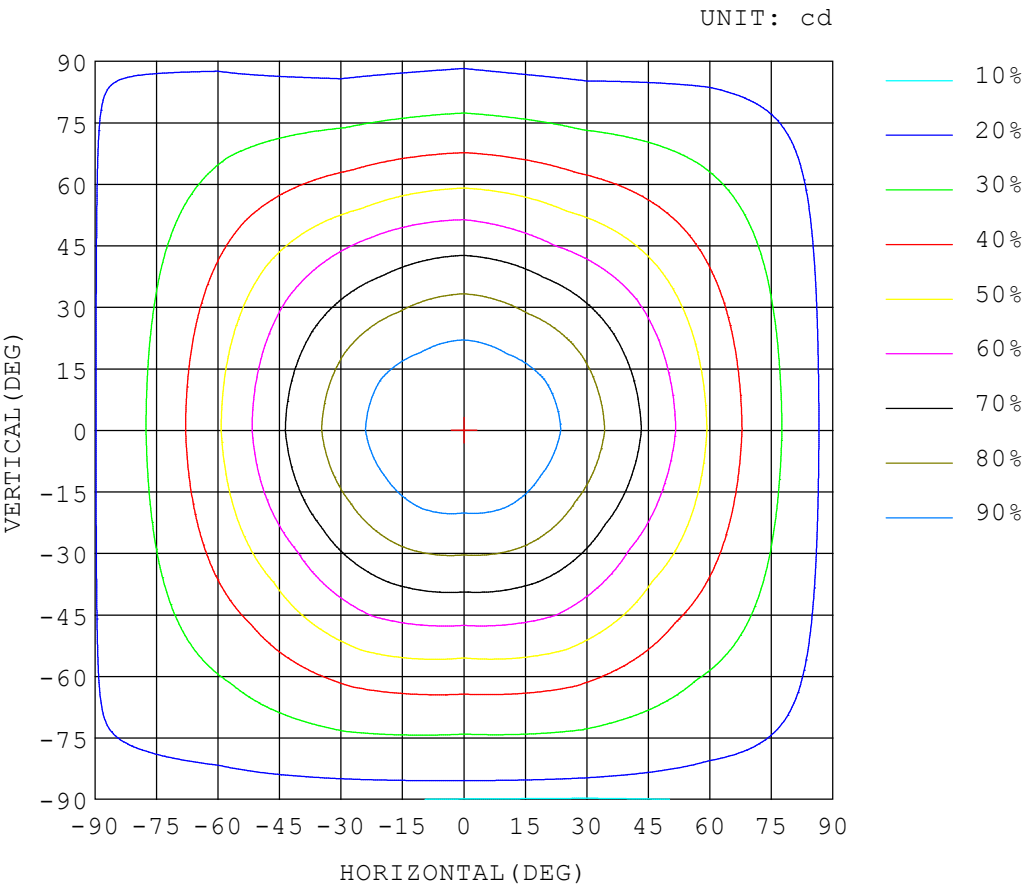
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:



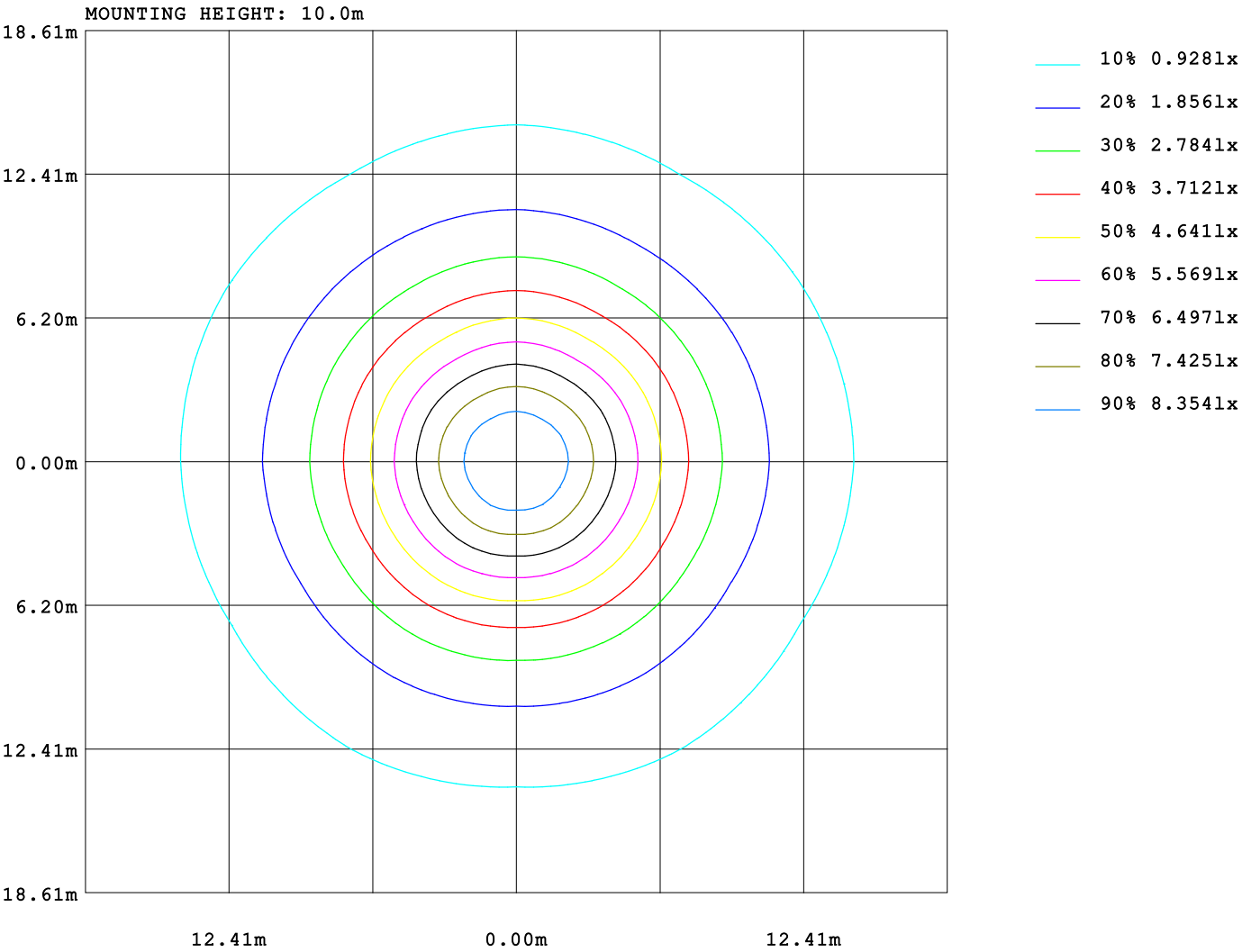
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																				
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																				
NAME: SLIM RING										TYPE: 5700K CRI-90					WEIGHT:					
SPECIFICATION: MEANWELL 100-24										DIMENSION: D-400 H-20 MM					SERIAL No.:					

90 80 70 60 50 40 30
--

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 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: SLIM RING

TYPE: 5700K CRI-90

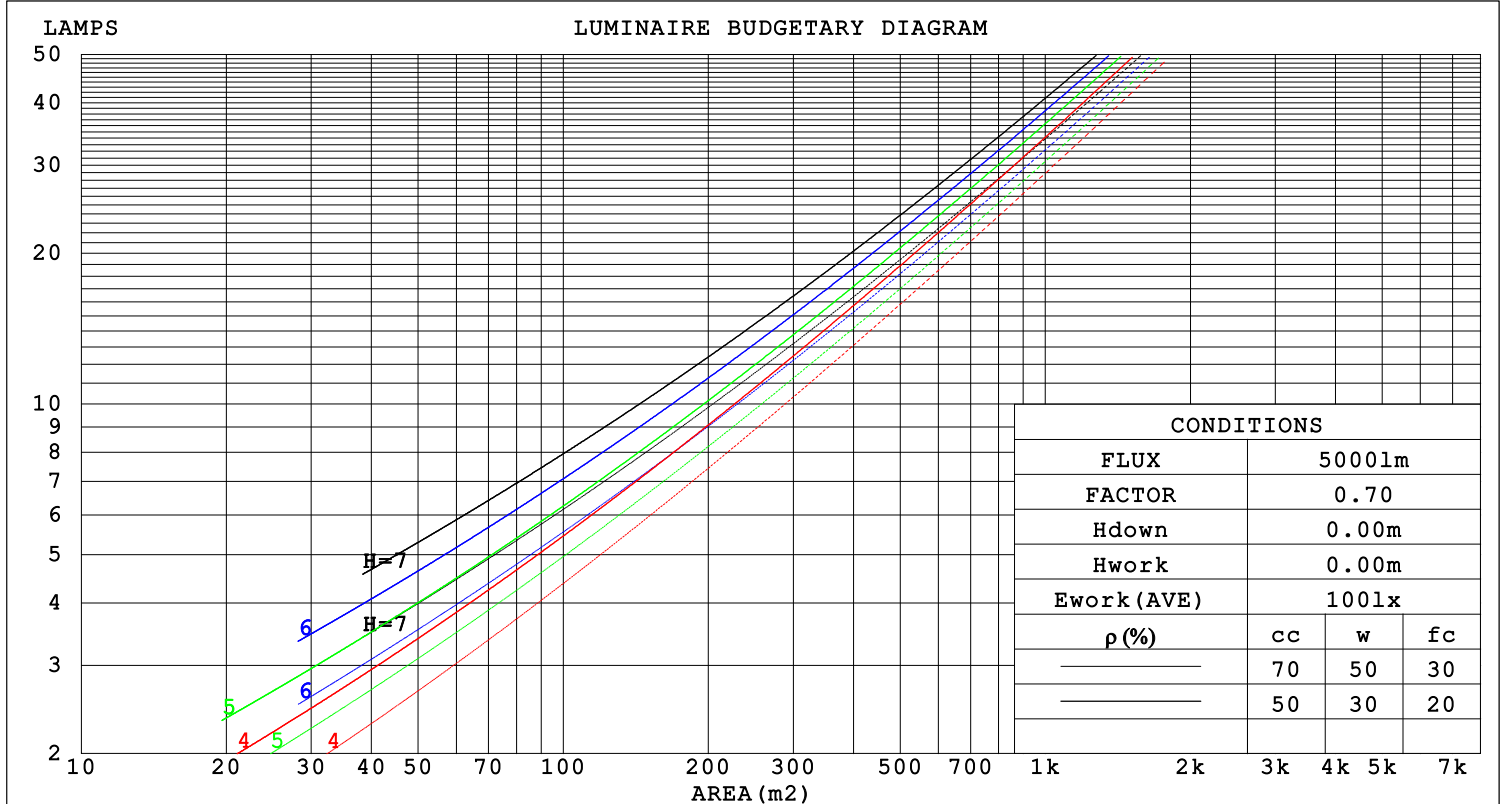
WEIGHT:

SPECIFICATION: MEANWELL 100-24

DIMENSION: D-400 H-20 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: 07-08-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 12.000 m
Remarks: 5700K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: SLIM RING								TYPE: 5700K CRI-90				WEIGHT:		
SPECIFICATION: MEANWELL 100-24								DIMENSION: D-400 H-20 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	.382	.217	.069	.374	.214	.068	.361	.207	.066	.348	.201	.064	.337	.195	.063	
2.0	.334	.183	.056	.328	.181	.056	.316	.176	.055	.304	.171	.053	.294	.166	.052	
3.0	.298	.159	.048	.293	.157	.047	.282	.153	.046	.272	.149	.046	.263	.146	.045	
4.0	.269	.140	.041	.264	.138	.041	.255	.135	.040	.246	.132	.040	.238	.129	.039	
5.0	.245	.125	.036	.241	.124	.036	.233	.121	.036	.225	.119	.035	.217	.116	.035	
6.0	.225	.113	.032	.221	.112	.032	.214	.110	.032	.207	.107	.032	.200	.105	.031	
7.0	.208	.103	.029	.204	.102	.029	.198	.100	.029	.191	.098	.029	.186	.096	.028	
8.0	.193	.094	.027	.190	.093	.026	.184	.092	.026	.178	.090	.026	.173	.089	.026	
9.0	.180	.087	.024	.177	.086	.024	.172	.085	.024	.167	.084	.024	.162	.082	.024	
10.0	.169	.081	.022	.166	.080	.022	.161	.079	.022	.157	.078	.022	.152	.077	.022	

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	.185	.155	.129	.159	.133	.111	.108	.092	.077	.062	.053	.045	.020	.017	.014	
2.0	.178	.132	.093	.152	.113	.080	.104	.078	.056	.060	.046	.033	.019	.015	.011	
3.0	.170	.114	.070	.146	.099	.061	.100	.069	.043	.058	.040	.025	.019	.013	.008	
4.0	.162	.101	.055	.139	.088	.048	.095	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.154	.091	.045	.132	.079	.039	.091	.055	.028	.053	.032	.016	.017	.011	.005	
6.0	.146	.083	.037	.126	.072	.033	.087	.050	.023	.050	.030	.014	.016	.010	.005	
7.0	.139	.076	.032	.119	.066	.028	.083	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.132	.070	.028	.114	.061	.024	.079	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.126	.065	.024	.108	.057	.021	.075	.040	.015	.044	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.014	.007	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:12.000 m
 Remarks: 5700K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: SLIM RING					TYPE: 5700K CRI-90			WEIGHT:			
SPECIFICATION: MEANWELL 100-24					DIMENSION: D-400 H-20 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	20.1	21.8	20.4	22.0	22.2	20.0	21.6	20.2	21.8	22.0
	3H	22.3	23.8	22.6	24.0	24.3	22.0	23.5	22.3	23.7	24.0
	4H	23.4	24.8	23.7	25.1	25.4	23.0	24.5	23.4	24.7	25.0
	6H	24.7	26.1	25.0	26.3	26.6	24.3	25.6	24.6	25.9	26.2
	8H	25.6	27.0	26.0	27.2	27.5	25.2	26.5	25.5	26.8	27.1
	12H	26.4	27.7	26.7	28.0	28.3	25.9	27.1	26.2	27.4	27.8
4H	2H	20.8	22.3	21.2	22.5	22.8	20.7	22.2	21.0	22.4	22.7
	3H	23.2	24.4	23.5	24.7	25.1	23.0	24.3	23.3	24.6	24.9
	4H	24.4	25.6	24.8	26.0	26.3	24.2	25.4	24.6	25.7	26.1
	6H	26.0	27.1	26.4	27.4	27.8	25.7	26.8	26.1	27.1	27.5
	8H	27.1	28.1	27.5	28.4	28.8	26.7	27.7	27.1	28.1	28.5
	12H	27.9	28.8	28.3	29.2	29.6	27.5	28.4	27.9	28.8	29.2
8H	4H	24.9	25.9	25.3	26.3	26.7	24.7	25.7	25.2	26.1	26.5
	6H	26.8	27.7	27.3	28.1	28.5	26.6	27.5	27.1	27.9	28.3
	8H	28.0	28.8	28.5	29.2	29.7	27.8	28.6	28.3	29.0	29.5
	12H	29.0	29.7	29.5	30.2	30.6	28.7	29.4	29.2	29.9	30.3
12H	4H	25.1	26.0	25.5	26.4	26.8	24.9	25.8	25.3	26.2	26.6
	6H	27.1	27.9	27.6	28.3	28.8	26.9	27.7	27.4	28.1	28.6
	8H	28.4	29.1	28.9	29.5	30.0	28.2	28.9	28.7	29.3	29.8
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		+ 0.3 / - 0.4					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 2985 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 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	55	43	35	54	42	35	53	42	35	28
0.80	64	52	44	63	51	44	61	51	43	36
1.00	72	60	52	71	59	52	68	61	51	44
1.25	79	67	60	78	67	59	75	65	58	50
1.50	84	73	65	82	72	65	79	70	64	55
2.00	91	81	74	89	80	73	85	78	72	63
2.50	95	86	79	93	85	78	89	82	76	67
3.00	99	91	84	96	89	83	92	86	81	72
4.00	103	96	91	101	94	89	96	91	86	77
5.00	106	100	95	103	98	93	99	94	90	80
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

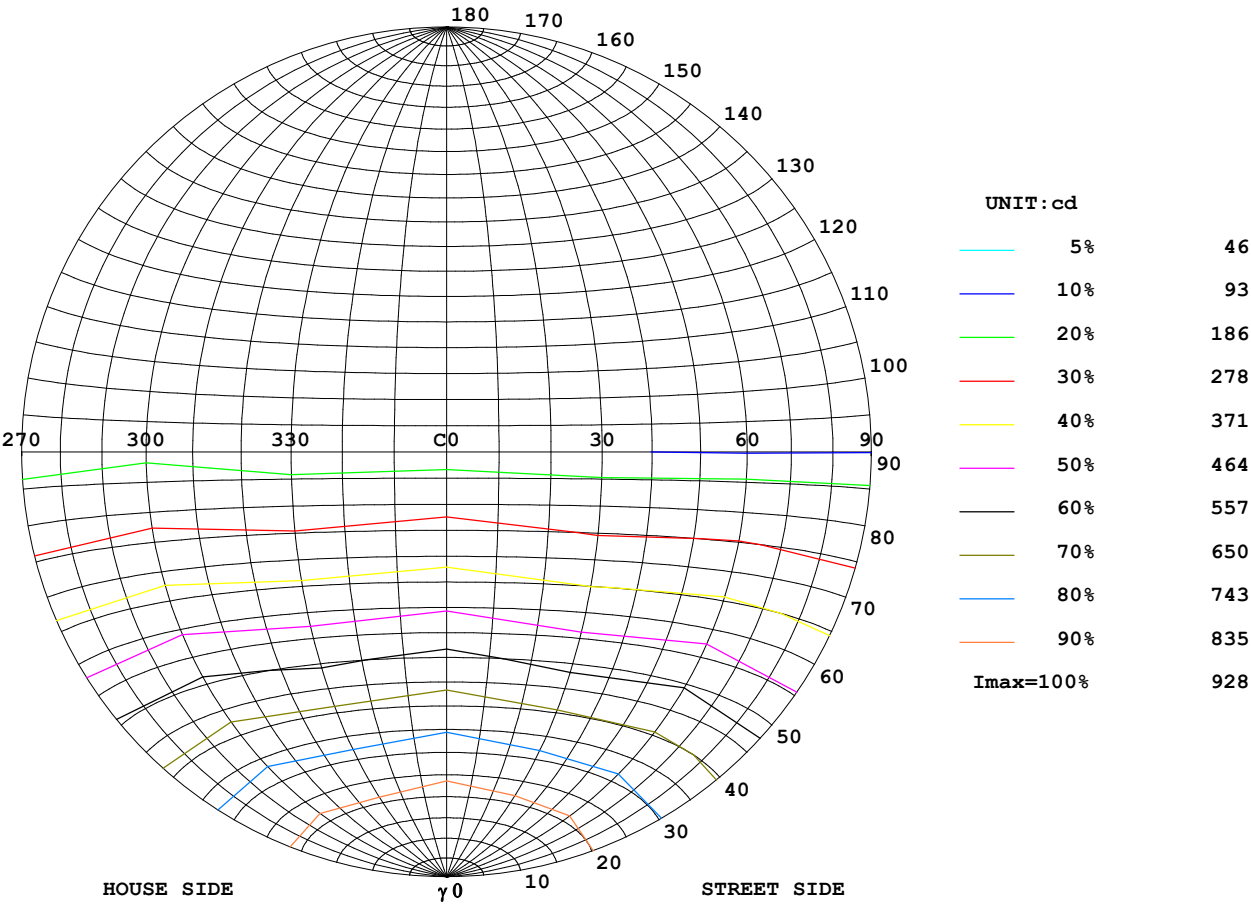
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

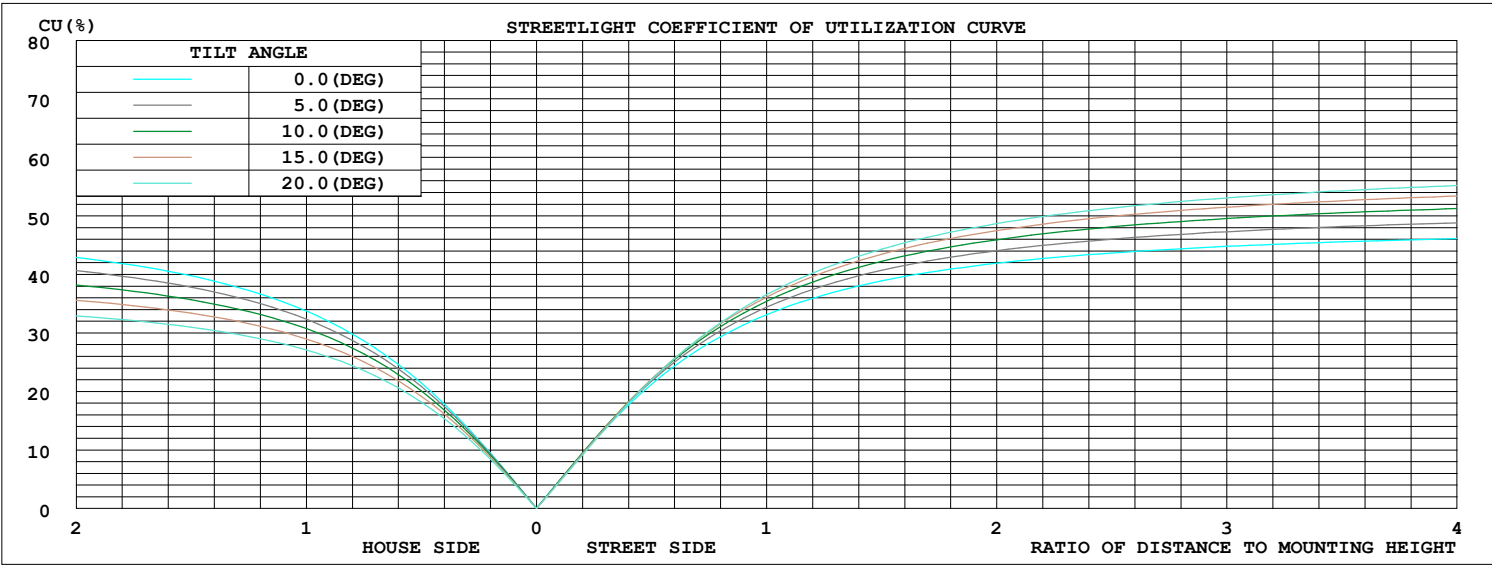
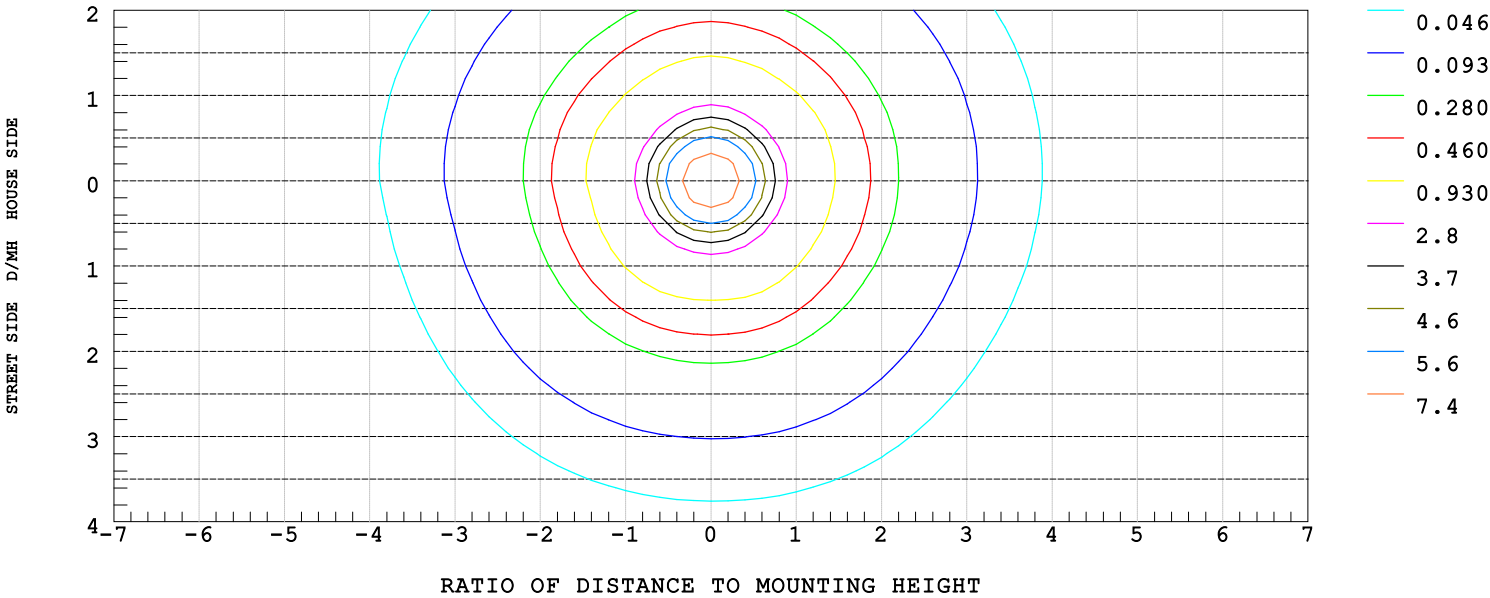
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 9.28 lx



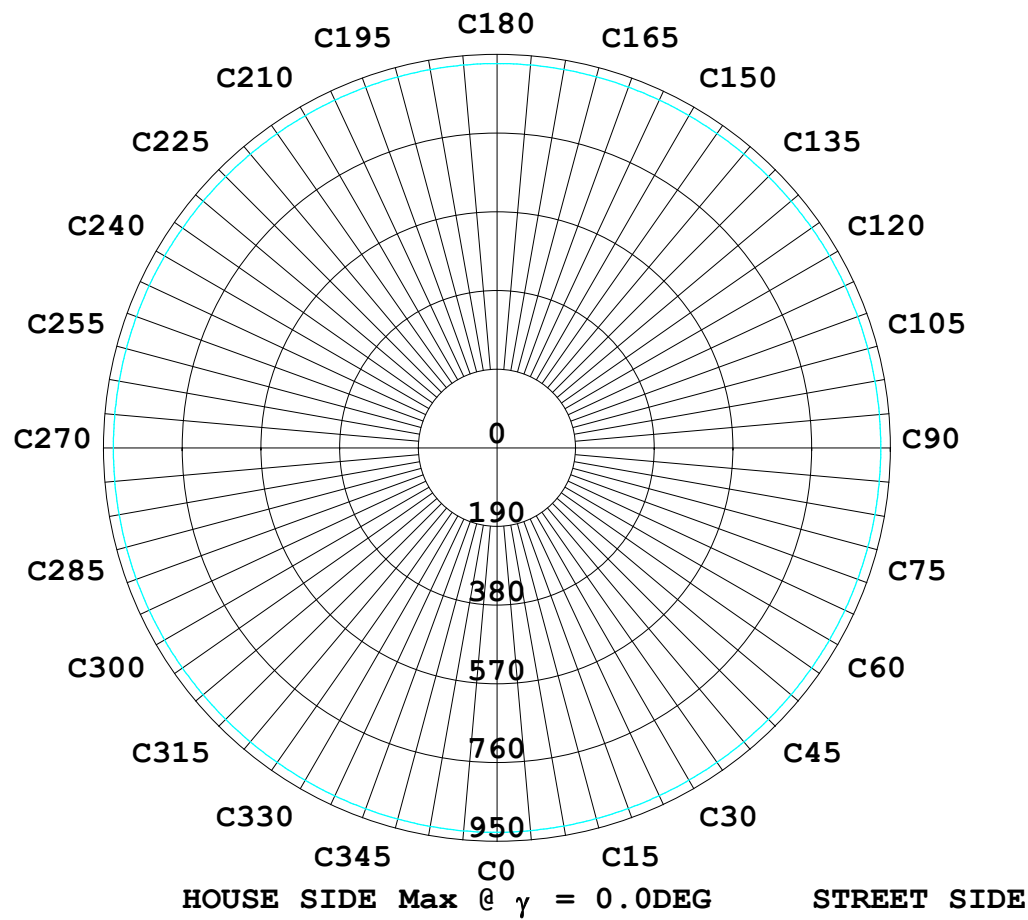
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Temperature:25.3DEG
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: SLIM RING	TYPE: 5700K CRI-90	WEIGHT:
SPECIFICATION: MEANWELL 100-24	DIMENSION: D-400 H-20 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	928	926	927	926	927	927	928	926	927	926	927	927
5.0	924	921	923	920	923	922	924	924	921	921	921	923
10.0	911	906	907	902	908	907	912	911	905	906	904	910
15.0	890	882	881	874	883	885	892	890	880	881	878	888
20.0	861	849	847	837	849	852	864	862	848	850	846	859
25.0	825	808	805	793	807	813	828	825	809	813	806	821
30.0	784	762	759	747	761	768	786	782	766	772	762	777
35.0	736	711	709	697	711	717	740	735	720	727	716	729
40.0	685	656	656	644	658	663	688	683	670	678	664	676
45.0	632	601	604	591	606	608	634	630	616	625	611	622
50.0	576	533	549	525	551	539	580	576	572	572	545	568
55.0	519	477	494	470	496	482	511	520	496	516	490	511
60.0	455	423	431	417	432	428	455	455	440	452	435	446
65.0	400	370	378	364	379	374	401	402	388	399	382	393
70.0	349	321	329	316	330	325	349	350	336	347	331	342
75.0	301	274	280	270	283	278	300	302	286	299	282	294
80.0	257	231	234	229	238	236	257	258	240	255	236	251
85.0	220	191	195	195	199	197	218	216	199	216	196	208
90.0	112	95.1	87.9	91.0	96.7	129	184	176	147	168	133	146

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:07-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:12.000 m
Remarks: 5700K