

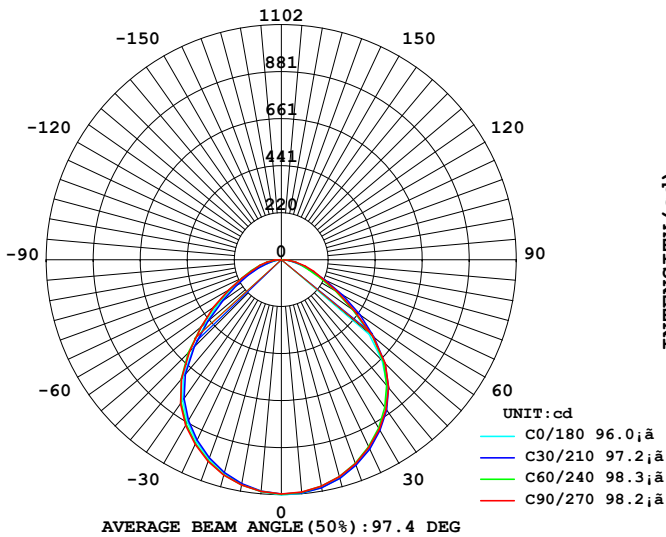
### LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

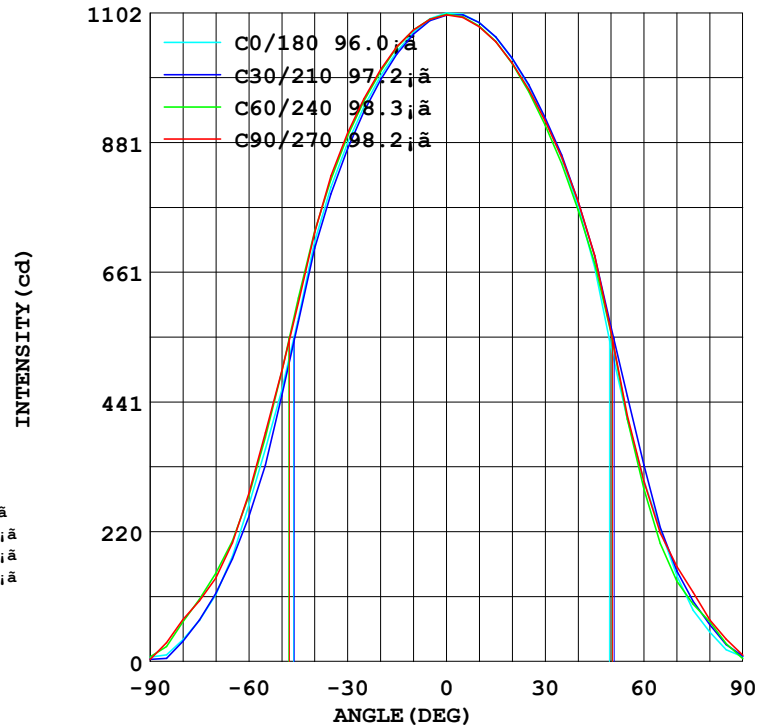
MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1102	S/MH (C0/180)	1.20
MODEL	1006-1-2-5-2	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.22
NOMINAL POWER (W)	20	TOTAL FLUX (lm)	2543.4	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	124.1	Current (A)	0.098
NOMINAL FLUX (lm)	2543.4	η up (%)	0.0	Power (W)	20.50
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.982
TEST VOLTAGE (V)	219.5	Effective Flux (lm)	2460.3	EET	0.114

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 05-20-2023

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.500 m  
 Remarks: 5700k

**Color Temperature Data List**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

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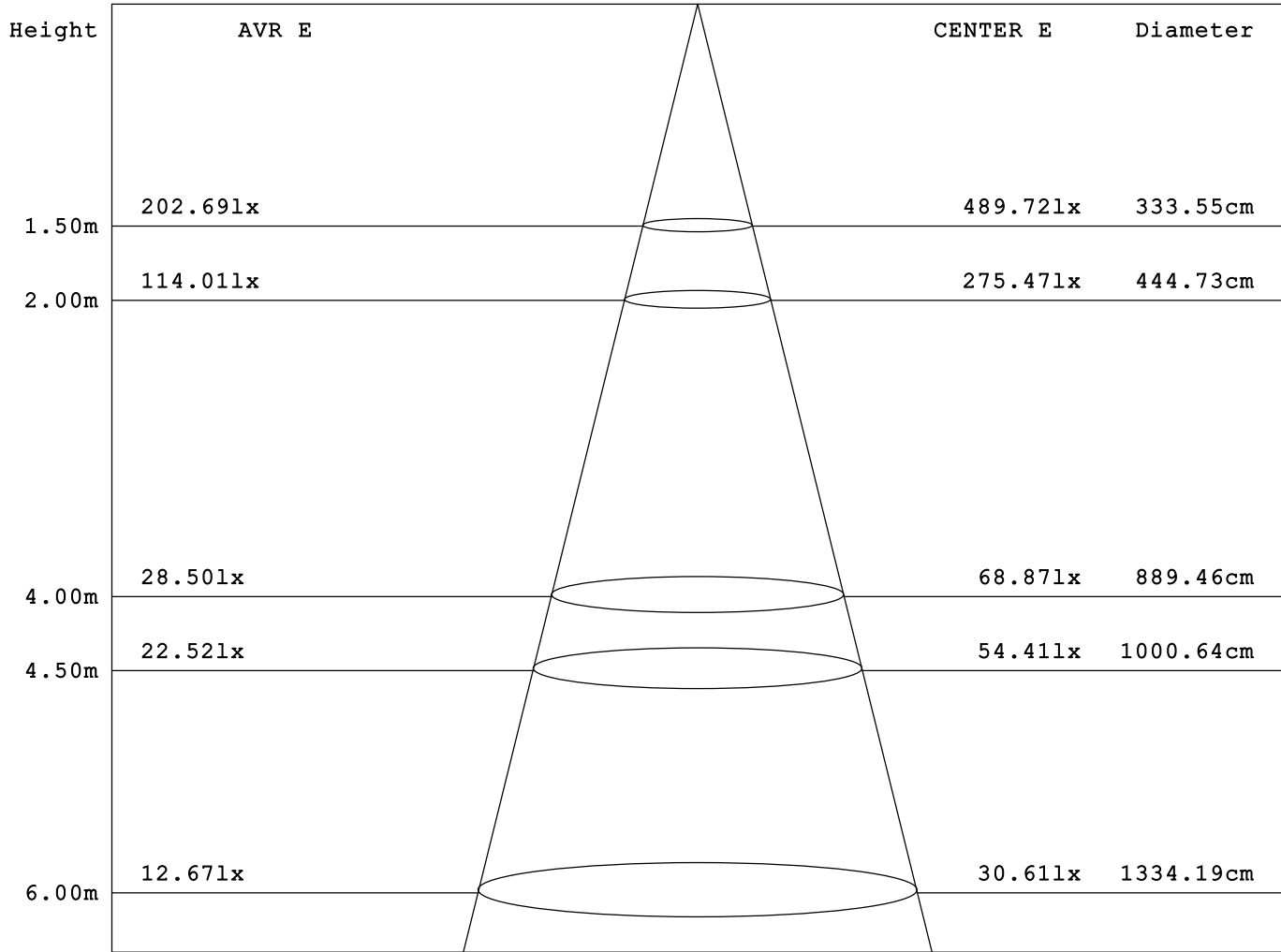
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 5700k

**AVERAGE AND CENTER E Figure**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:



Angle:96.1deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

### ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1069	1069	1073	1077	1085	1082	1078	1073	0- 10	103.7	103.7
20.0	994.3	994.9	1005	1011	1024	1020	1017	1003	10- 20	295.3	399.1
30.0	881.0	881.9	897.5	904.9	920.9	917.6	918.2	894.1	20- 30	441.8	841.0
40.0	713.6	716.3	728.6	749.4	773.6	774.7	781.7	745.1	30- 40	518.6	1360
50.0	460.3	471.1	492.8	512.0	533.3	563.2	560.1	522.8	40- 50	490.4	1850
60.0	265.1	262.9	284.8	294.2	307.0	313.2	305.7	273.6	50- 60	355.6	2206
70.0	113.4	132.8	141.5	149.3	145.3	144.9	161.1	129.9	60- 70	206.0	2412
80.0	36.73	50.67	70.84	60.73	49.63	64.48	70.21	54.05	70- 80	101.6	2514
90.0	7.490	5.821	3.700	5.776	7.851	6.633	10.55	5.685	80- 90	29.92	2543
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:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

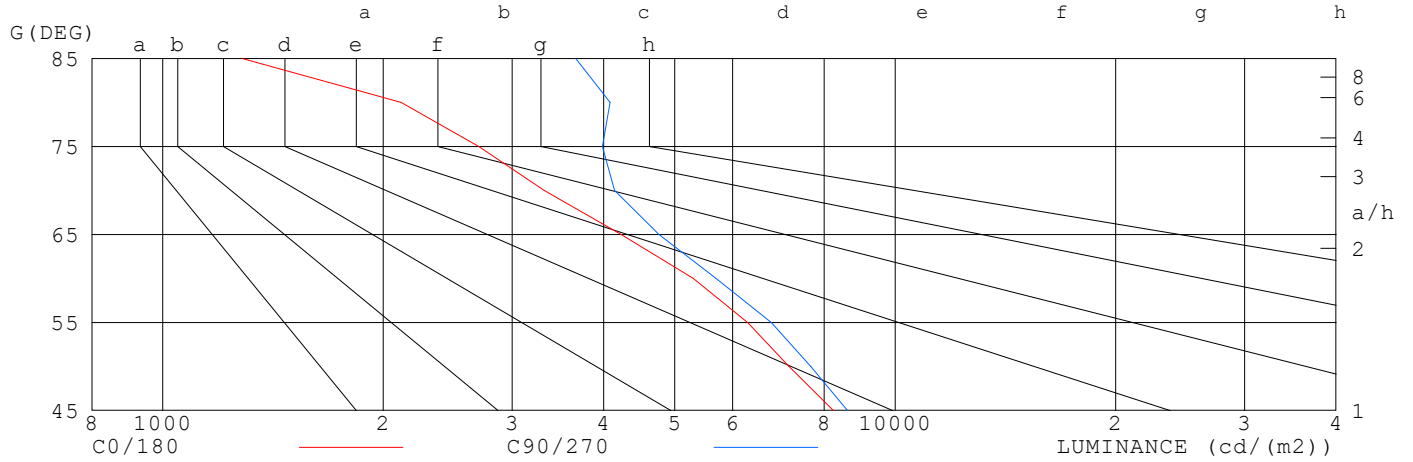
**LUMINANCE LIMITATION CURVES**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

**LUMINANCE LIMITATION CURVES**

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
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	1284	3666
80	2115	4080
75	2702	3986
70	3317	4138
65	4228	4760
60	5303	5697
55	6292	6774
50	7162	7667
45	8236	8611

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
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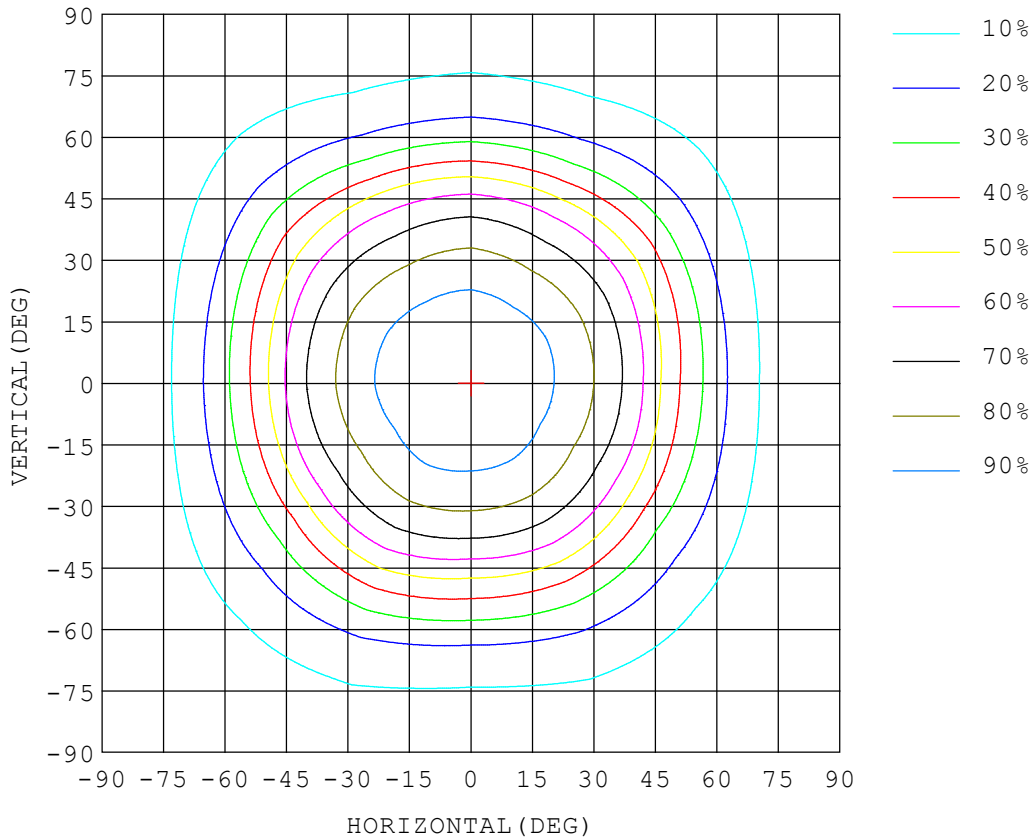
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

UNIT: cd



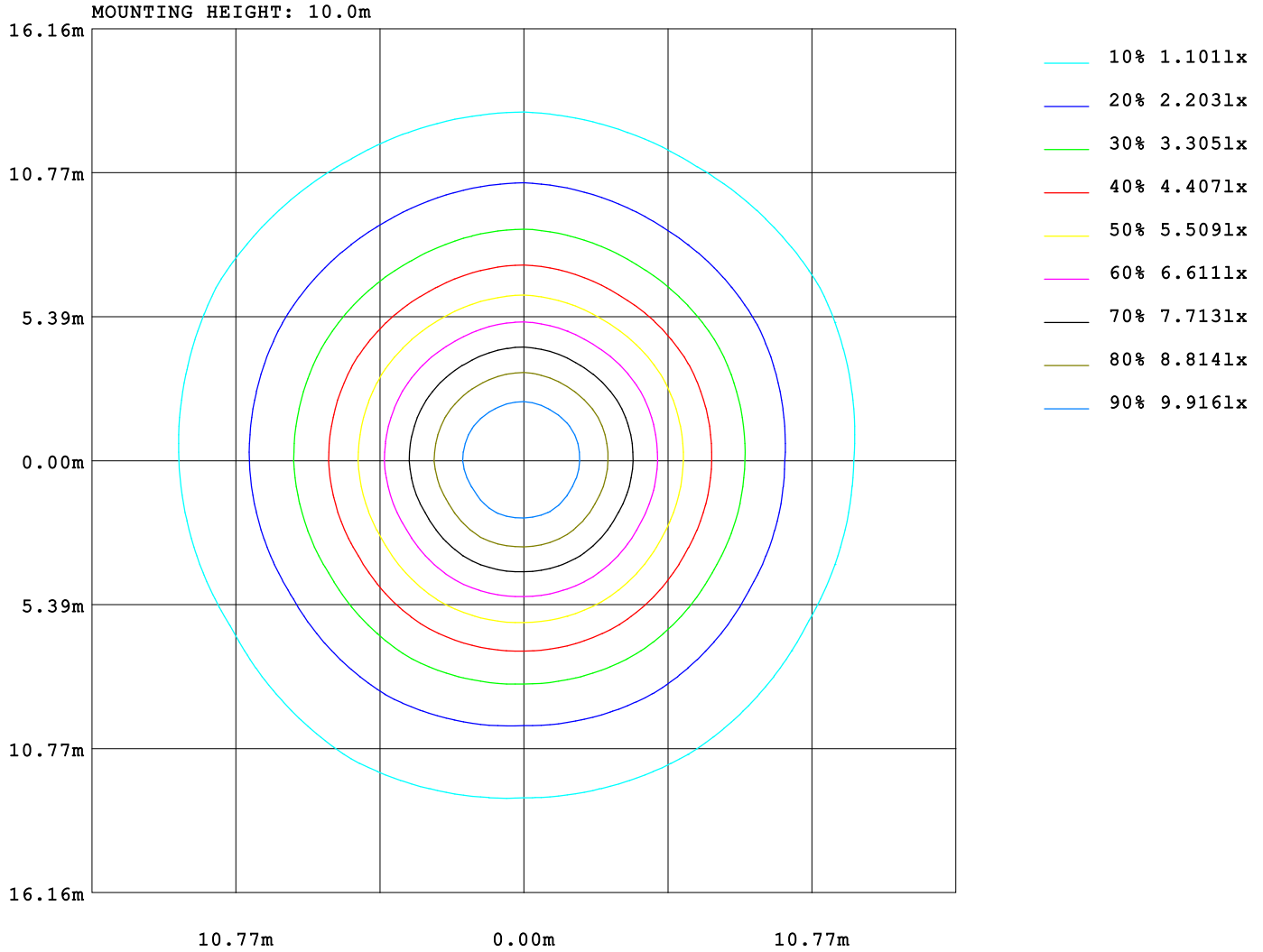
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

### ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k



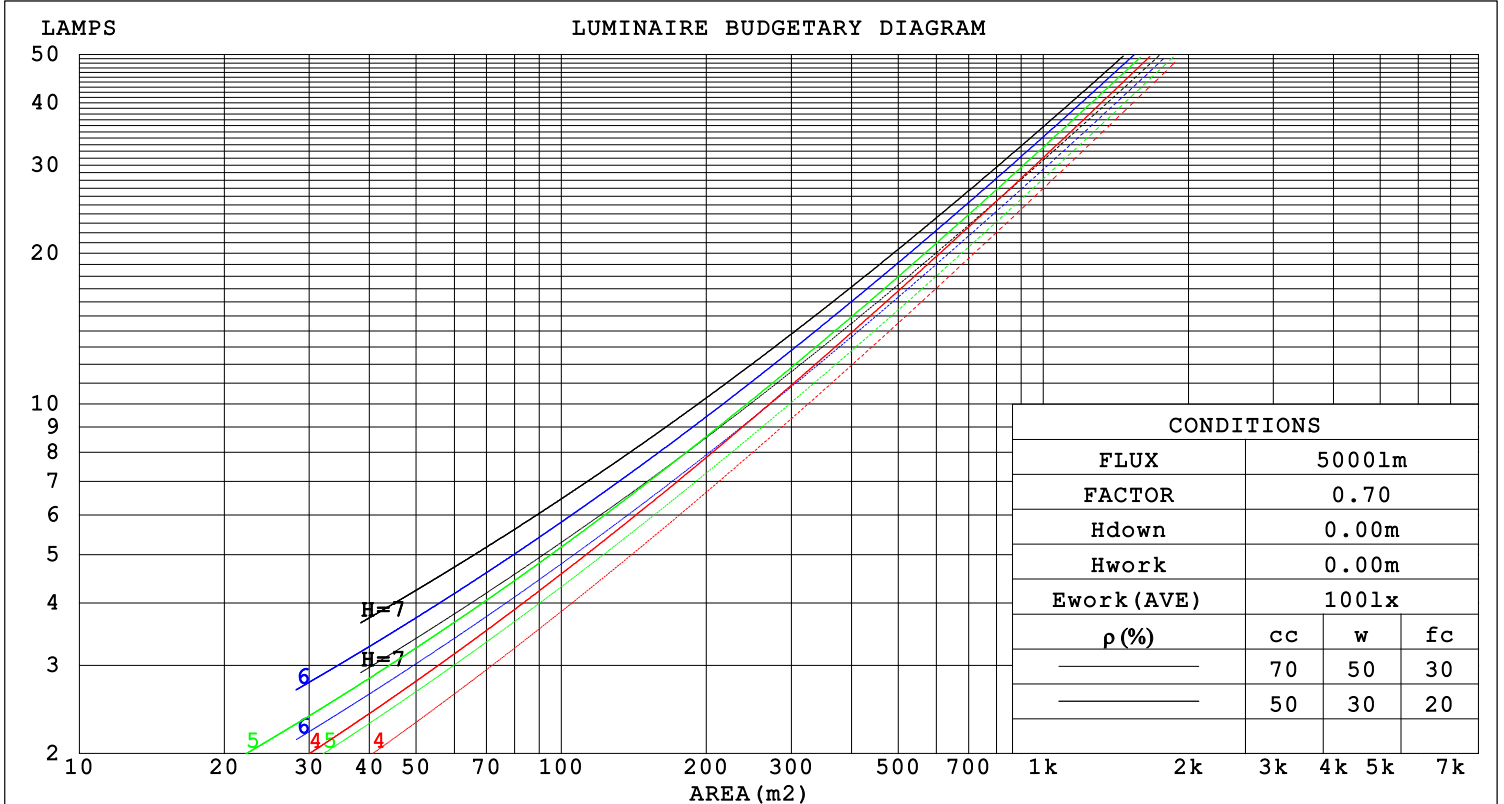


### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.96	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.82	.92	.86	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.74	.70	.66	.64
4.0	.75	.67	.60	.73	.66	.60	.71	.64	.59	.69	.63	.58	.67	.62	.58	.56
5.0	.67	.59	.53	.66	.58	.52	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.61	.53	.46	.60	.52	.46	.58	.51	.46	.57	.50	.46	.55	.49	.45	.43
7.0	.56	.47	.41	.55	.47	.41	.53	.46	.41	.52	.45	.41	.50	.45	.40	.39
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.36	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.36	.31	.43	.35	.31	.42	.35	.30	.41	.35	.30	.40	.34	.30	.29



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

**WEC AND CCEC**

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005														
NAME: 1006-1-2-5-2					TYPE: .5w 57k CRI90					WEIGHT:				
SPECIFICATION:					DIMENSION: 1200*50*75					SERIAL No.:				

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.272	.155	.049	.265	.151	.048	.252	.145	.046	.240	.138	.044	.229	.133	.043	
2.0	.260	.143	.044	.254	.140	.043	.243	.135	.042	.232	.130	.041	.222	.126	.040	
3.0	.244	.130	.039	.239	.128	.038	.229	.124	.038	.219	.120	.037	.211	.117	.036	
4.0	.228	.118	.035	.223	.117	.035	.214	.114	.034	.206	.111	.033	.199	.108	.033	
5.0	.213	.109	.031	.209	.107	.031	.201	.105	.031	.194	.102	.030	.187	.100	.030	
6.0	.199	.100	.029	.196	.099	.028	.189	.097	.028	.182	.095	.028	.176	.093	.028	
7.0	.187	.092	.026	.184	.091	.026	.177	.090	.026	.171	.088	.026	.166	.086	.025	
8.0	.176	.086	.024	.173	.085	.024	.167	.083	.024	.162	.082	.024	.157	.081	.023	
9.0	.165	.080	.022	.163	.079	.022	.158	.078	.022	.153	.077	.022	.149	.075	.022	
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.145	.072	.020	.141	.071	.020	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.168	.132	.102	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.137	.098	.068	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.089	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.113	.065	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.103	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

**Uncorrected UGR Table**

Report number:

MANUFACTURER: DIVINITY LIGHTS										
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005										
NAME: 1006-1-2-5-2					TYPE: .5w 57k CRI90			WEIGHT:		
SPECIFICATION:					DIMENSION: 1200*50*75			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	18.3	19.7	18.6	19.9	20.1	18.8	20.2	19.1	20.4	20.6
	3H	18.9	20.2	19.2	20.4	20.6	19.6	20.9	19.9	21.1	21.4
	4H	19.1	20.3	19.4	20.5	20.8	20.0	21.2	20.3	21.5	21.7
	6H	19.1	20.3	19.4	20.5	20.8	20.3	21.5	20.7	21.8	22.0
	8H	19.1	20.2	19.4	20.5	20.8	20.4	21.5	20.8	21.8	22.1
	12H	19.0	20.1	19.4	20.4	20.7	20.5	21.6	20.8	21.8	22.1
4H	2H	18.6	19.8	18.9	20.1	20.3	19.1	20.3	19.4	20.5	20.8
	3H	19.3	20.4	19.7	20.7	21.0	20.1	21.1	20.4	21.4	21.7
	4H	19.6	20.6	20.0	20.9	21.2	20.6	21.6	21.0	21.9	22.2
	6H	19.7	20.6	20.1	20.9	21.3	21.1	22.0	21.5	22.3	22.7
	8H	19.7	20.5	20.1	20.9	21.2	21.2	22.0	21.6	22.4	22.8
	12H	19.7	20.4	20.1	20.8	21.2	21.3	22.1	21.8	22.5	22.9
8H	4H	19.8	20.6	20.2	20.9	21.3	20.7	21.5	21.1	21.9	22.3
	6H	19.9	20.6	20.4	21.0	21.4	21.3	22.0	21.8	22.4	22.8
	8H	19.9	20.5	20.4	20.9	21.4	21.5	22.1	22.0	22.5	23.0
	12H	19.9	20.4	20.4	20.8	21.3	21.7	22.2	22.1	22.6	23.1
12H	4H	19.8	20.5	20.2	20.9	21.3	20.7	21.4	21.1	21.8	22.2
	6H	19.9	20.5	20.4	20.9	21.4	21.3	21.9	21.8	22.3	22.7
	8H	19.9	20.4	20.4	20.9	21.3	21.5	22.0	22.0	22.4	22.9

Variations with the observer position at spacings:		
S = 1.0H	+ 0.4 / - 0.5	+ 0.4 / - 0.4
1.5H	+ 0.2 / - 0.4	+ 0.2 / - 0.2
2.0H	+ 1.0 / - 1.1	+ 0.7 / - 0.7

CIE Pub.117 Corrected 2543 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.2)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
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 Test Distance:9.500 m  
 Remarks: 5700k

**UTILIZATION FACTORS TABLE**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	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	62	52	45	62	51	45	61	51	45	39
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	71	64	80	70	64	78	71	64	57
1.25	88	78	72	86	78	72	84	76	71	64
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	91	85	97	90	85	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	94	91	83
4.00	108	103	99	106	101	98	102	98	95	87
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

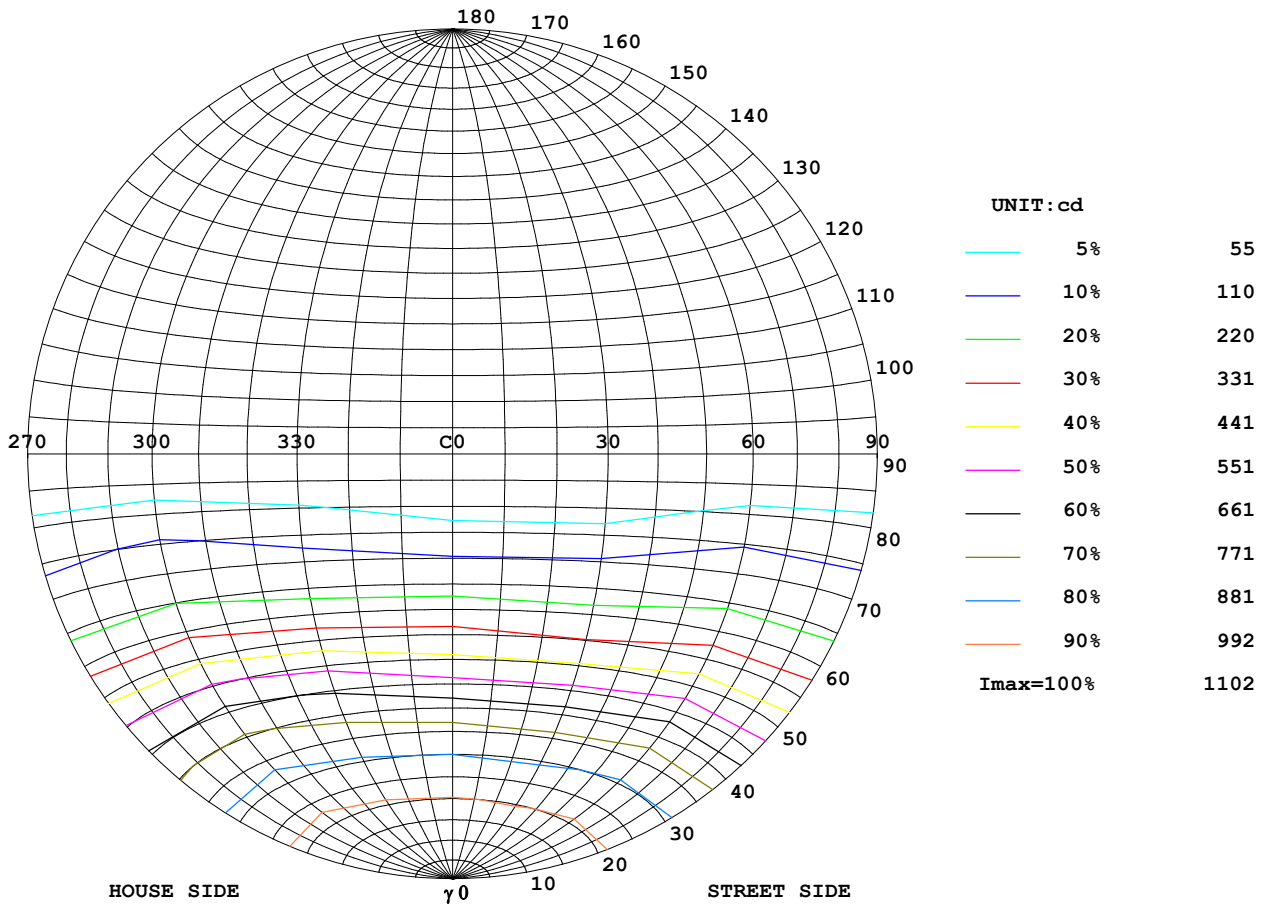
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**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
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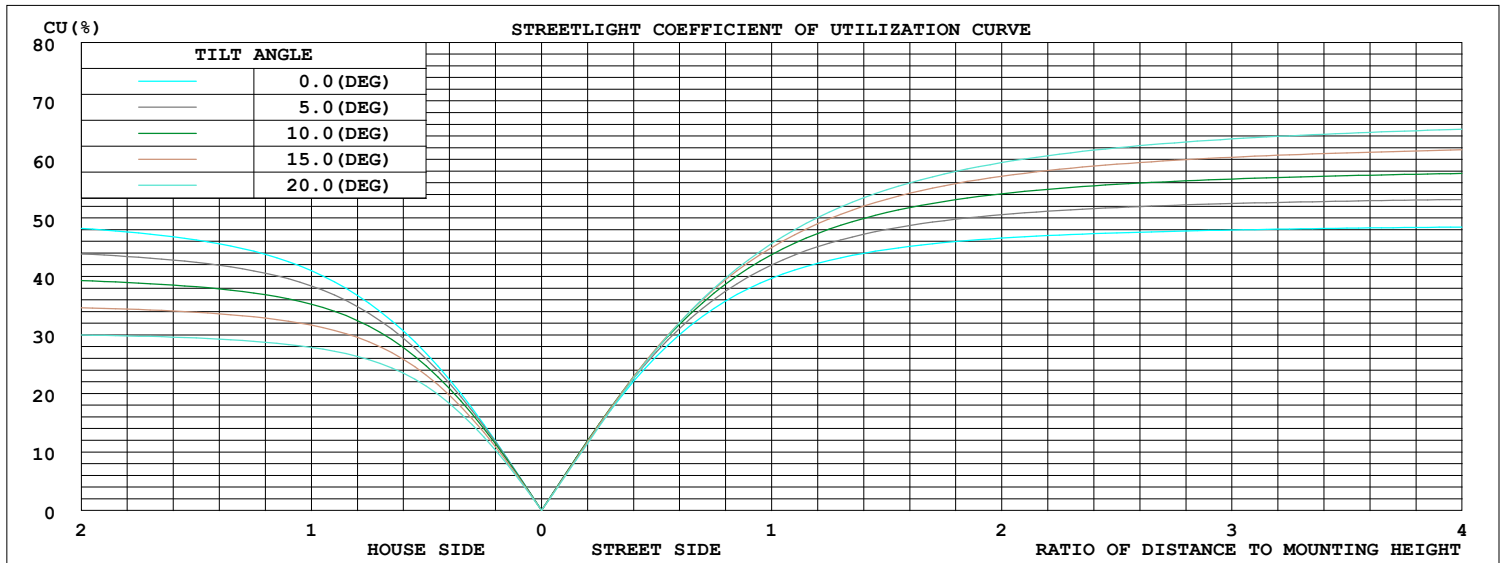
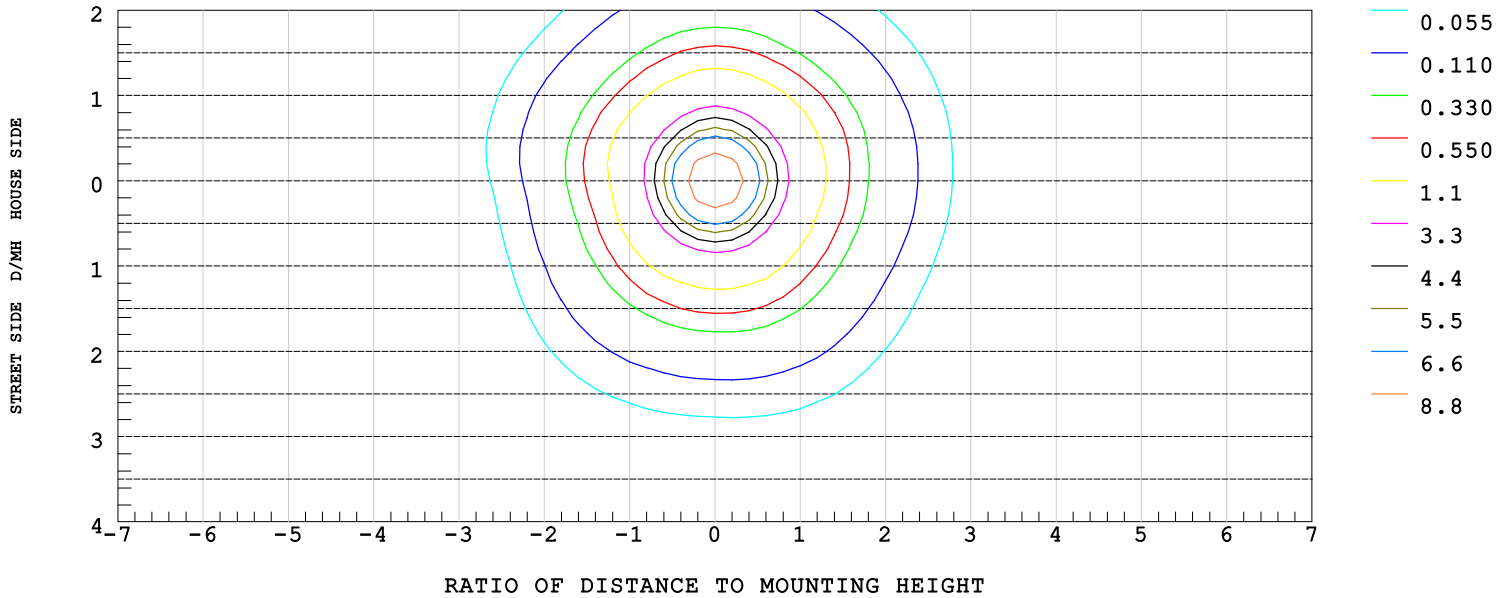
Test Set: 5.0deg/s C-Gamma (TYPE C)  
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### ISOLUX DIAGRAM

Report number:

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Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 11.02 lx



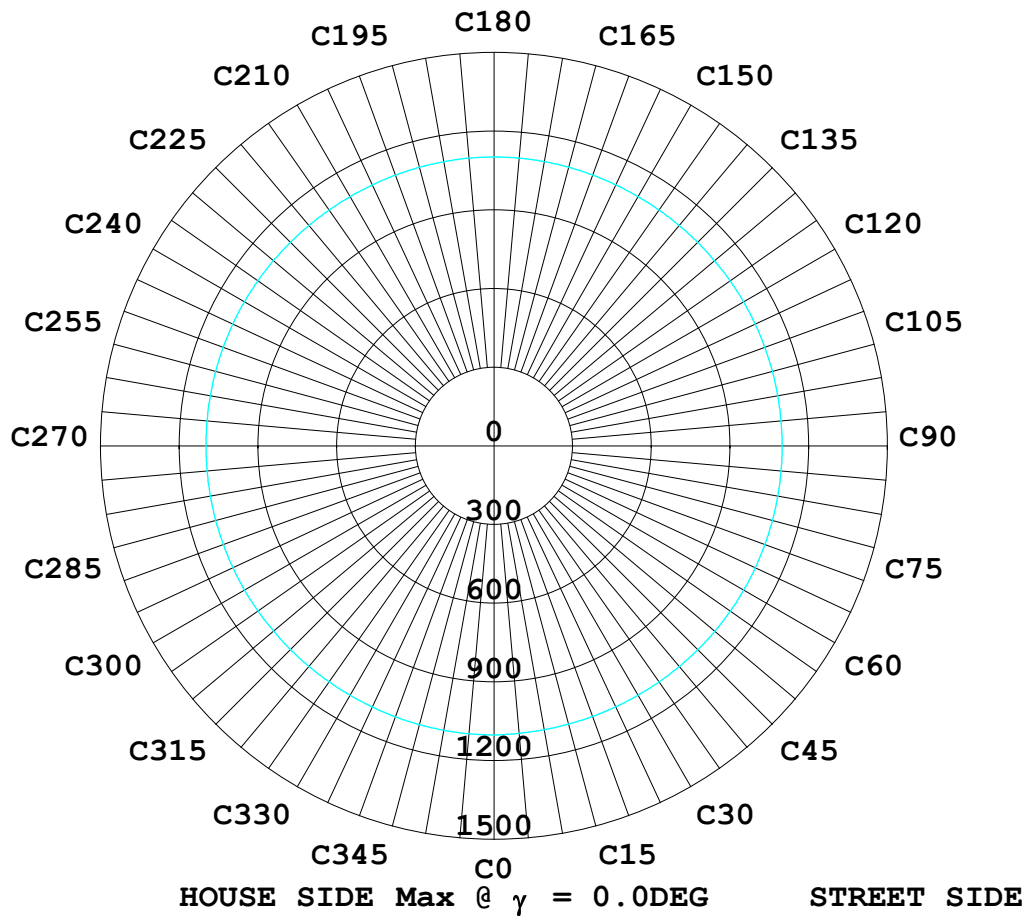
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.500 m  
 Remarks: 5700k

**ISOCANDELA DIAGRAM**

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005		
NAME: 1006-1-2-5-2	TYPE: .5w 57k CRI90	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*50*75	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 5700k

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER: DIVINITY LIGHTS</b>		
<b>Address: PLOT NO-21 SAROORPUR NANGLA IND AREA FARIBAAD HARYANA 121005</b>		
<b>NAME: 1006-1-2-5-2</b>	<b>TYPE: .5w 57k CRI90</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200*50*75</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1102	1098	1099	1098	1099	1098	1102	1098	1099	1098	1099	1098
5.0	1092	1088	1091	1091	1094	1092	1099	1098	1095	1094	1090	1092
10.0	1069	1066	1073	1073	1078	1076	1085	1085	1079	1078	1073	1074
15.0	1036	1032	1043	1045	1052	1047	1060	1061	1053	1052	1042	1044
20.0	994	988	1002	1005	1015	1007	1024	1025	1016	1017	1003	1004
25.0	943	934	952	956	967	957	978	980	968	971	953	955
30.0	881	871	893	898	911	899	921	924	912	918	893	895
35.0	806	795	819	825	841	827	855	860	846	857	826	826
40.0	714	702	731	729	757	741	774	782	767	782	746	744
45.0	582	577	617	609	651	633	669	689	676	689	650	640
50.0	460	451	492	493	531	493	533	568	558	560	524	522
55.0	361	333	381	389	413	381	412	451	412	418	383	405
60.0	265	245	281	285	311	278	307	334	293	306	271	276
65.0	179	174	205	201	223	199	224	228	200	218	187	197
70.0	113	116	150	142	162	136	145	154	136	161	130	130
75.0	69.9	70.4	106	103	115	87.2	86.8	102	97.0	117	91.6	84.1
80.0	36.7	34.0	67.3	70.8	76.6	44.8	49.6	62.0	66.9	70.2	58.9	49.1
85.0	11.1	5.23	25.2	31.9	35.0	12.0	19.7	28.5	30.0	37.8	21.1	19.0
90.0	7.49	3.70	7.94	3.70	8.12	3.42	7.85	8.84	4.42	10.5	3.88	7.49

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