

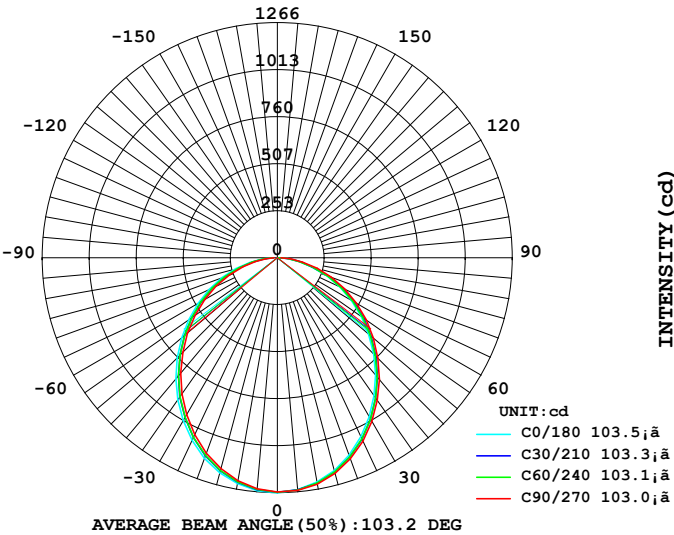
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

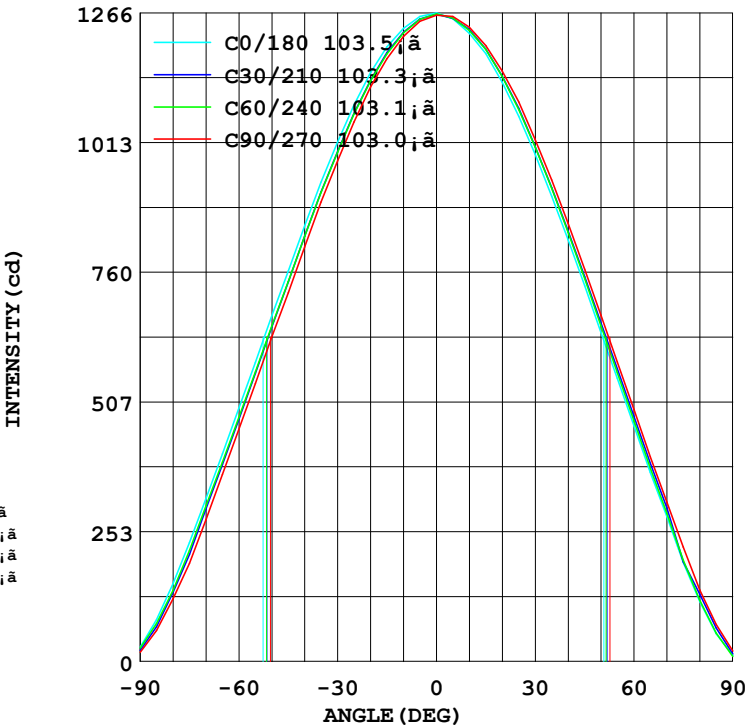
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1266	S/MH (C0/180)	1.20
MODEL	VIRAJ 45 HEXAGON	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.16
NOMINAL POWER (W)	35	TOTAL FLUX (lm)	3283.9	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	93.8	Current (A)	0.160
NOMINAL FLUX (lm)	3283.9	η up (%)	0.0	Power (W)	35.00
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.990
TEST VOLTAGE (V)	219.5	Effictive Flux (lm)	3207.1	EEI	0.149

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:

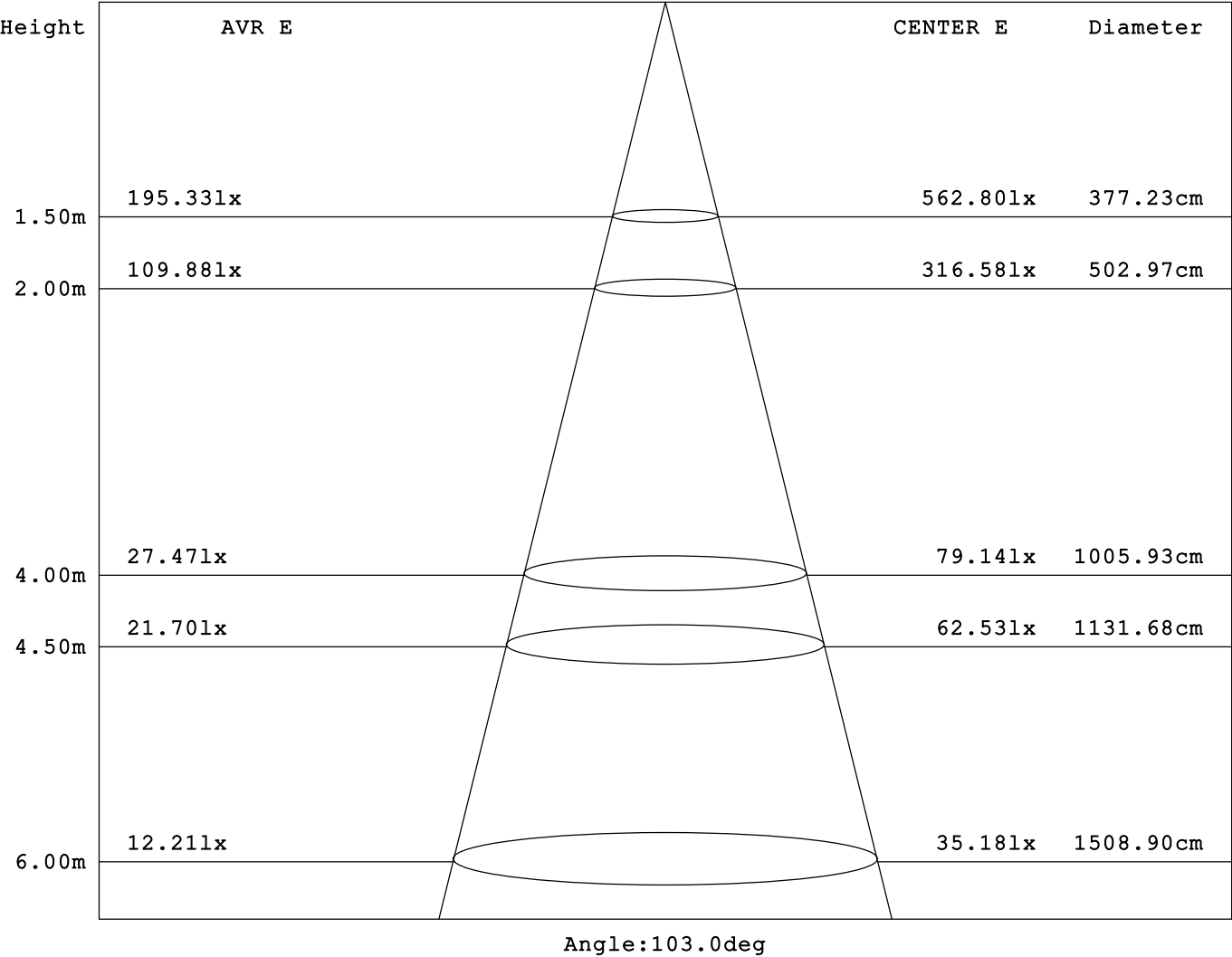
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:



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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1236	1228	1220	1219	1227	1233	1239	1239	0- 10	118.9	118.9
20.0	1150	1134	1122	1120	1131	1143	1153	1154	10- 20	335.4	454.4
30.0	1014	994.8	977.2	976.2	990.4	1005	1020	1020	20- 30	494.2	948.7
40.0	850.6	830.0	809.4	809.6	823.4	839.3	855.6	857.0	30- 40	575.1	1524
50.0	674.4	653.5	633.0	632.2	641.8	658.0	675.3	676.6	40- 50	575.4	2099
60.0	493.6	474.1	452.4	449.2	459.8	474.4	491.7	493.9	50- 60	505.3	2605
70.0	317.2	300.0	276.0	276.5	282.8	294.4	310.5	313.9	60- 70	380.5	2985
80.0	150.7	135.8	121.3	118.6	116.8	125.1	139.1	142.1	70- 80	221.8	3207
90.0	28.03	23.68	17.66	16.41	11.64	11.96	20.16	21.40	80- 90	76.80	3284
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:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
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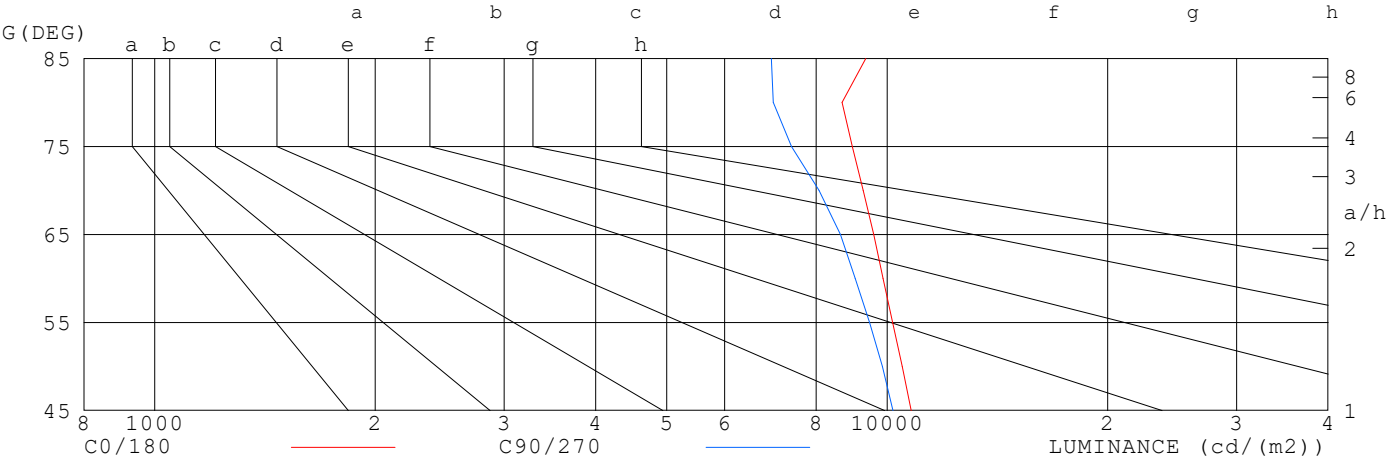
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 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	9355	6947
80	8680	6988
75	8961	7401
70	9276	8073
65	9594	8638
60	9874	9048
55	10176	9460
50	10492	9848
45	10787	10184

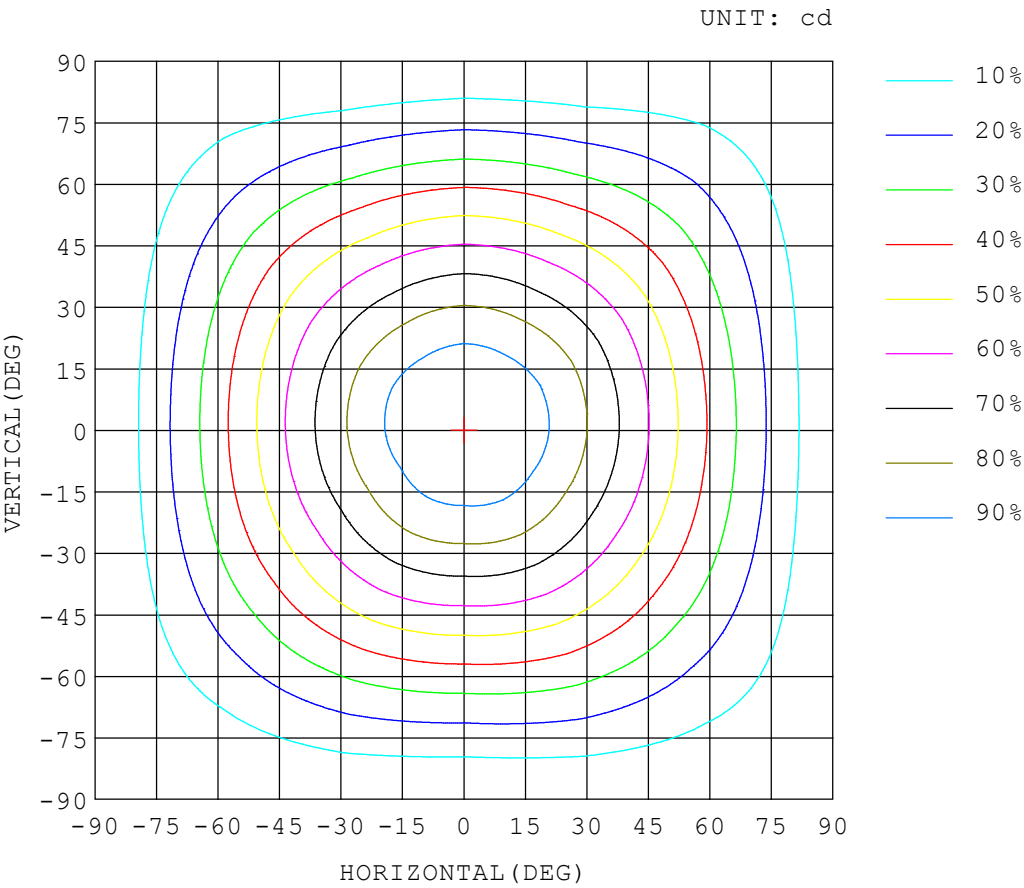
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Temperature:25.3DEG
Operators:
Test Date:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:



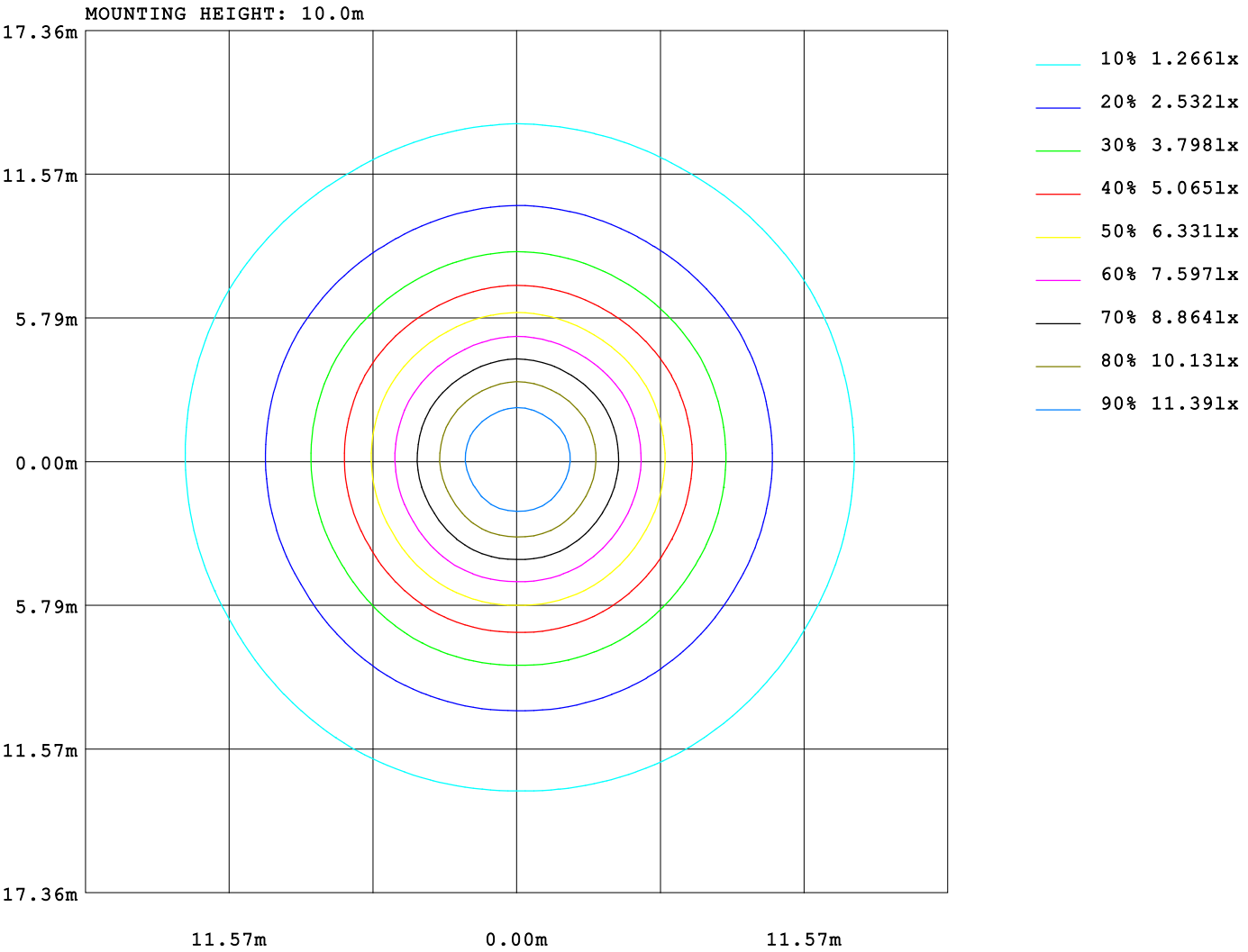
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:



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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: VIRAJ 45 HEXAGON										TYPE: 3000K CRI-90					WEIGHT:				
SPECIFICATION:										DIMENSION: D-600 H-70 W-46 MM					SERIAL No.:				

90 80 70 60 50 40 30
--

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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: VIRAJ 45 HEXAGON

TYPE: 3000K CRI-90

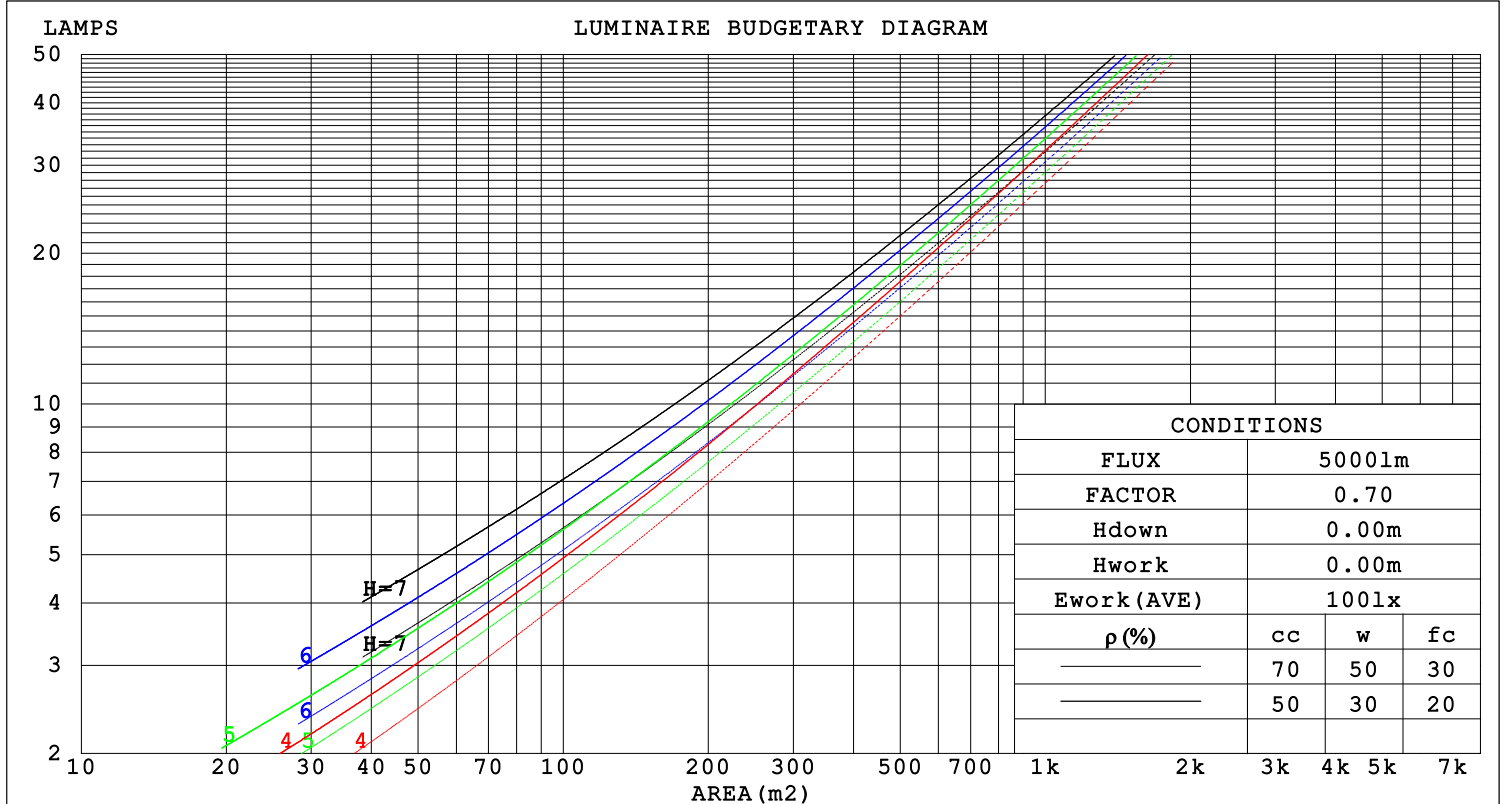
WEIGHT:

SPECIFICATION:

DIMENSION: D-600 H-70 W-46 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: 06-06-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.000 m
 Remarks: 3000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: VIRAJ 45 HEXAGON								TYPE: 3000K CRI-90				WEIGHT:		
SPECIFICATION:								DIMENSION: D-600 H-70 W-46 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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.250	.142	.045	
3.0	.267	.142	.043	.261	.140	.042	.251	.136	.041	.242	.132	.041	.233	.129	.040	
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.223	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.103	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.169	.083	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.021	

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	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.096	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.090	.048	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.034	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

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

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 3000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019											
NAME: VIRAJ 45 HEXAGON					TYPE: 3000K CRI-90			WEIGHT:			
SPECIFICATION:					DIMENSION: D-600 H-70 W-46 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	20.8	22.3	21.0	22.5	22.7	20.6	22.1	20.8	22.3	22.5
	3H	22.3	23.7	22.6	23.9	24.2	22.0	23.4	22.3	23.6	23.8
	4H	23.0	24.3	23.3	24.5	24.8	22.5	23.8	22.8	24.1	24.4
	6H	23.5	24.7	23.8	25.0	25.3	22.9	24.2	23.3	24.4	24.7
	8H	23.6	24.8	24.0	25.1	25.4	23.0	24.2	23.4	24.5	24.8
	12H	23.8	25.0	24.1	25.2	25.6	23.1	24.3	23.5	24.6	24.9
4H	2H	21.3	22.7	21.7	22.9	23.2	21.2	22.5	21.5	22.8	23.0
	3H	23.0	24.2	23.4	24.5	24.8	22.8	24.0	23.2	24.3	24.6
	4H	23.8	24.9	24.2	25.2	25.5	23.5	24.6	23.9	24.9	25.2
	6H	24.5	25.4	24.8	25.7	26.1	24.0	25.0	24.4	25.3	25.7
	8H	24.7	25.6	25.1	25.9	26.3	24.2	25.1	24.6	25.5	25.8
	12H	24.9	25.7	25.3	26.1	26.5	24.4	25.2	24.8	25.5	26.0
8H	4H	24.1	24.9	24.5	25.3	25.7	23.8	24.7	24.2	25.0	25.4
	6H	24.8	25.6	25.3	26.0	26.4	24.5	25.2	24.9	25.6	26.1
	8H	25.2	25.8	25.6	26.2	26.7	24.8	25.4	25.2	25.8	26.3
	12H	25.5	26.0	25.9	26.5	26.9	25.0	25.6	25.5	26.0	26.5
12H	4H	24.1	24.9	24.5	25.3	25.7	23.8	24.6	24.2	25.0	25.4
	6H	24.9	25.5	25.4	26.0	26.4	24.6	25.2	25.0	25.6	26.1
	8H	25.3	25.8	25.7	26.3	26.8	24.9	25.5	25.4	25.9	26.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3284 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 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	59	47	40	58	47	40	57	46	40	34
0.80	69	57	50	68	57	50	66	56	49	42
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	70	63
2.00	95	87	81	93	86	80	90	83	78	70
2.50	99	91	85	97	90	85	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

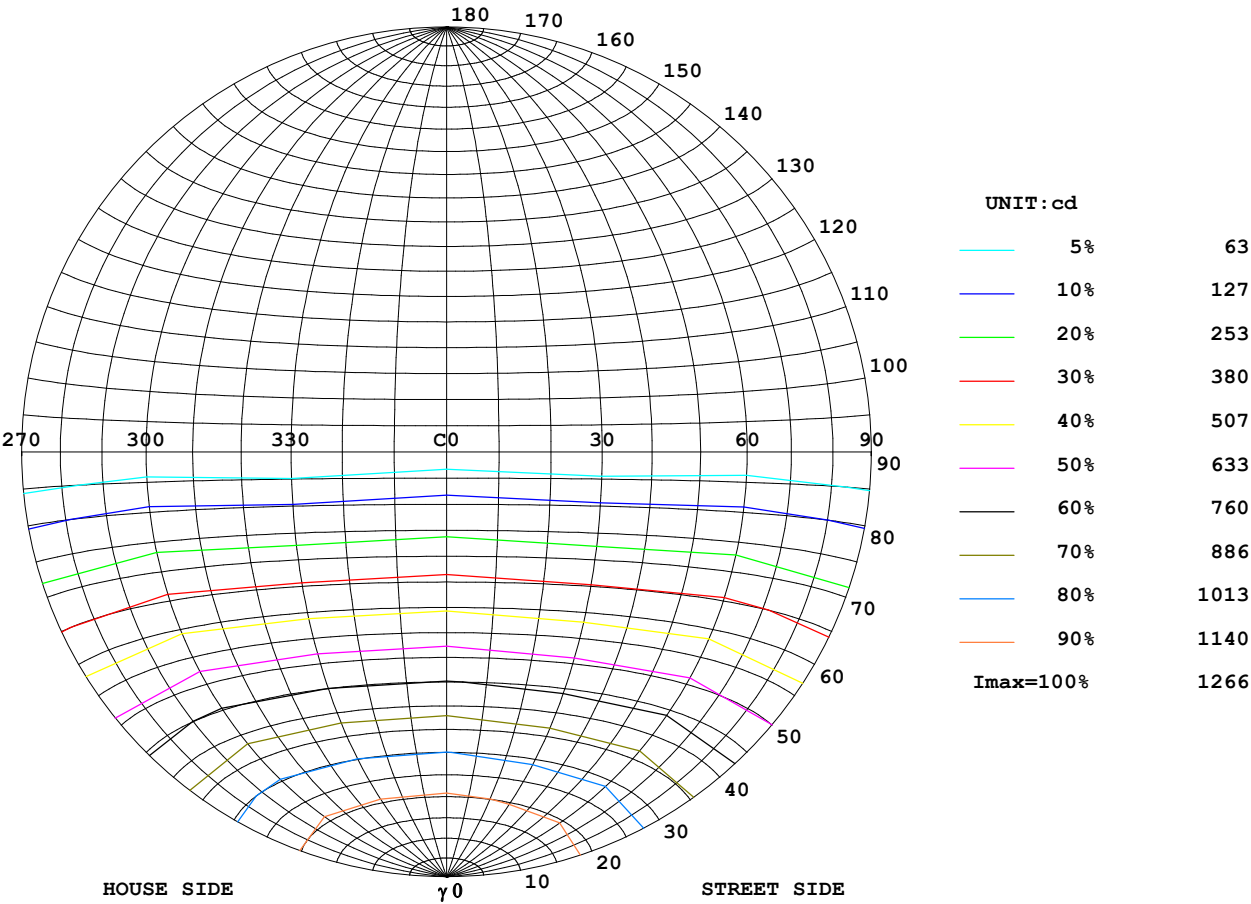
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ISOCANDELA DIAGRAM

Report number:

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NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
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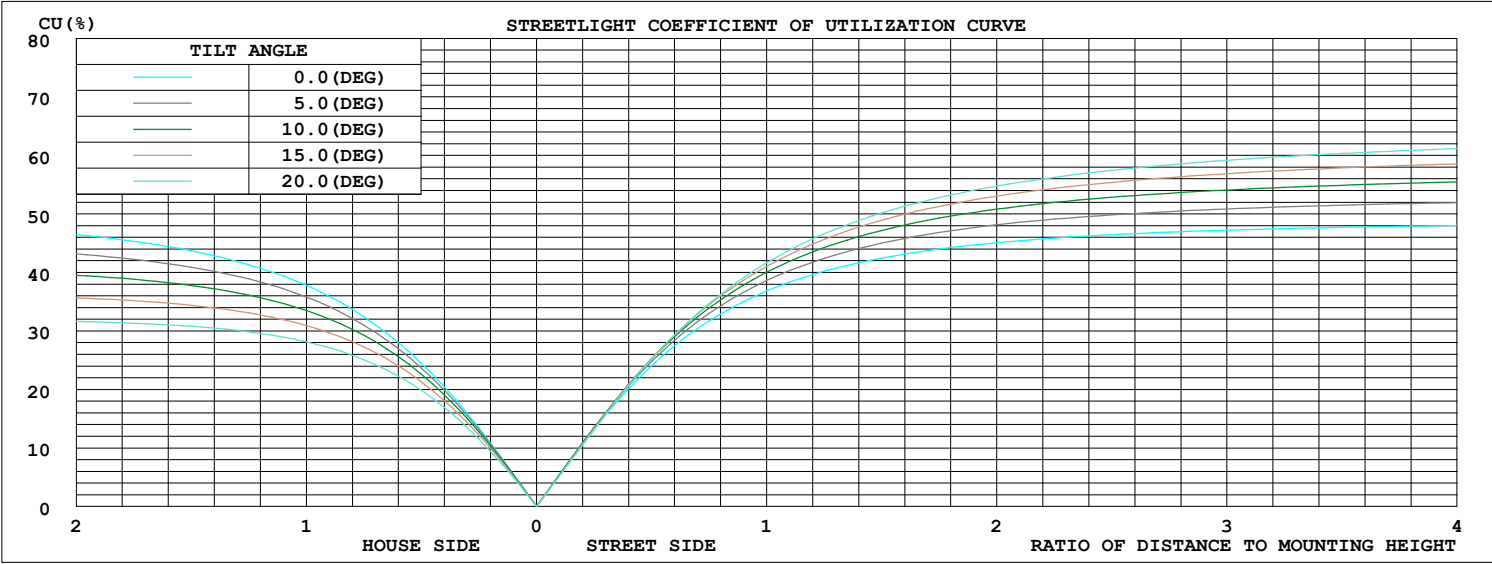
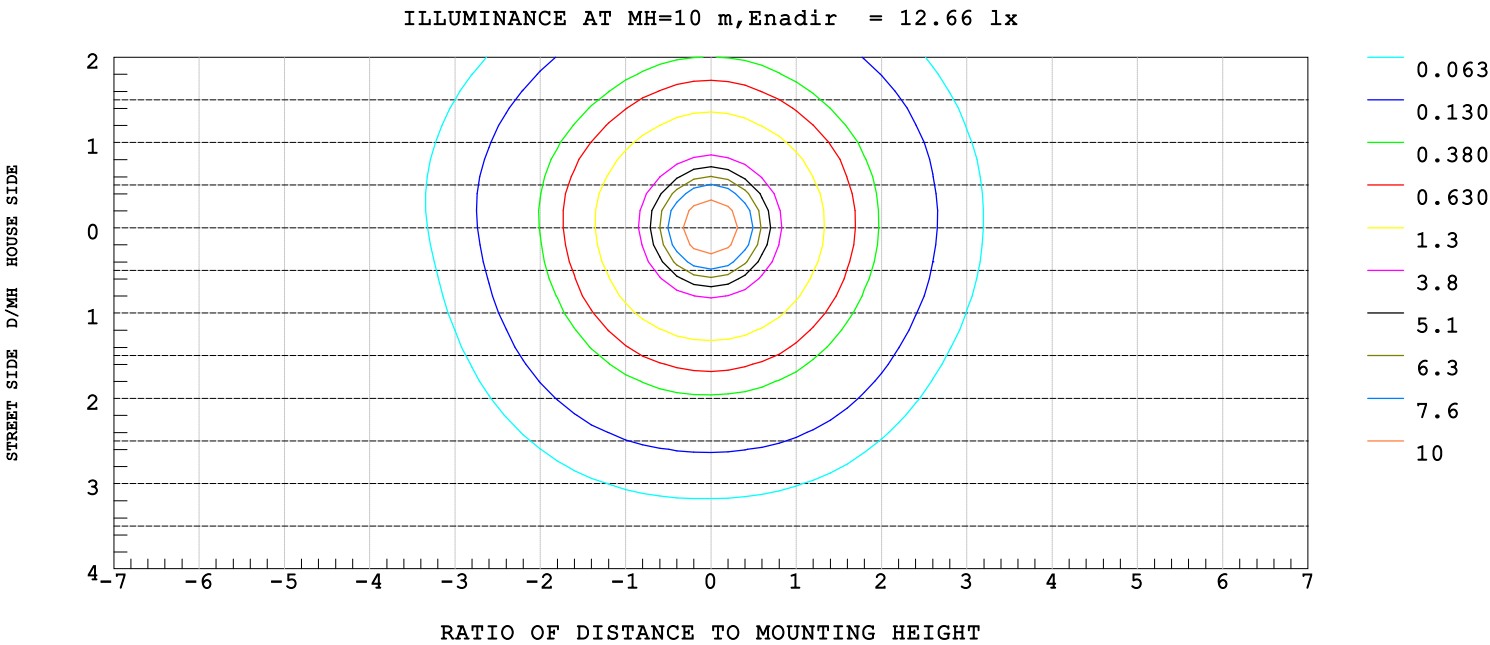
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Temperature:25.3DEG
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Test Date:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
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ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:



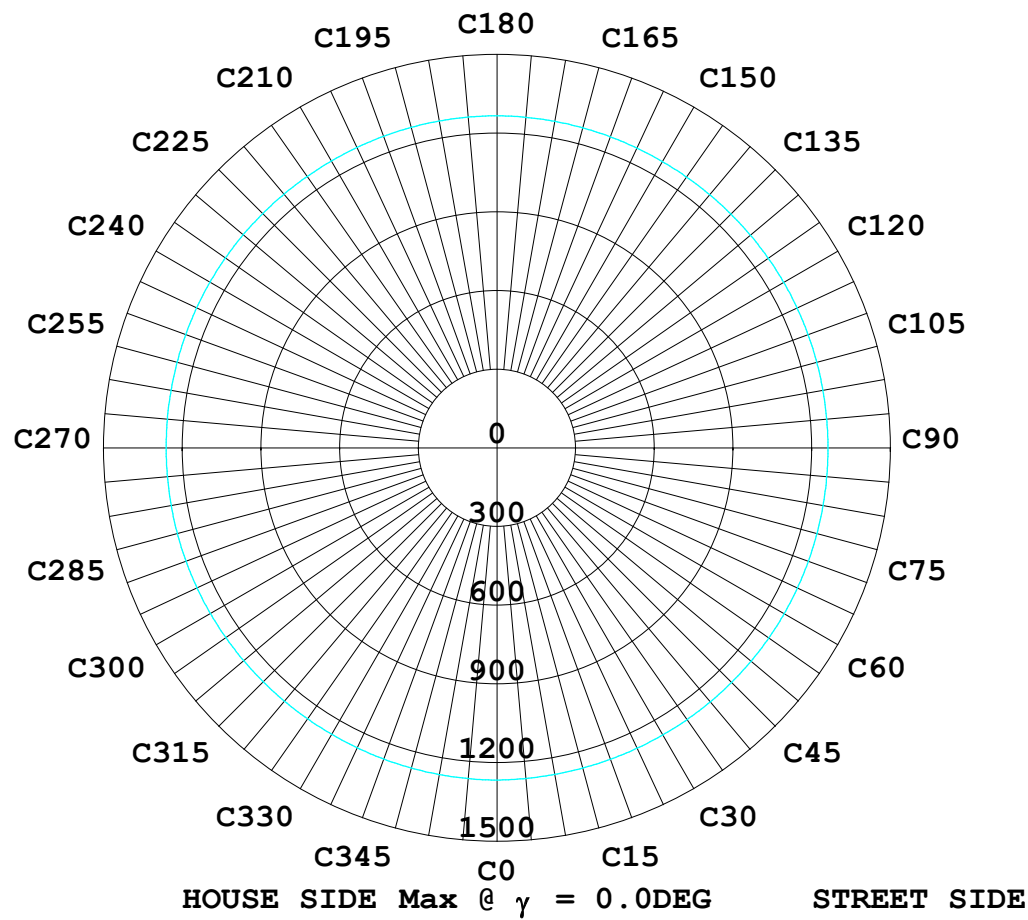
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SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:



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Temperature:25.3DEG
Operators:
Test Date:06-06-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
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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: VIRAJ 45 HEXAGON	TYPE: 3000K CRI-90	WEIGHT:
SPECIFICATION:	DIMENSION: D-600 H-70 W-46 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1266	1264	1264	1262	1262	1261	1266	1264	1264	1262	1262	1261
5.0	1259	1254	1253	1250	1251	1247	1255	1255	1256	1259	1257	1258
10.0	1236	1228	1227	1220	1221	1217	1227	1234	1232	1239	1237	1241
15.0	1200	1189	1186	1177	1178	1172	1187	1195	1195	1202	1201	1206
20.0	1150	1135	1133	1122	1124	1116	1131	1143	1142	1153	1150	1157
25.0	1086	1070	1069	1053	1057	1047	1064	1080	1077	1092	1087	1097
30.0	1014	995	994	977	982	971	990	1006	1005	1020	1015	1026
35.0	935	916	916	897	902	890	908	925	924	940	934	946
40.0	851	830	830	809	817	803	823	841	838	856	850	864
45.0	763	741	742	720	727	713	733	751	748	766	760	776
50.0	674	653	654	633	640	625	642	661	655	675	668	685
55.0	584	562	565	543	547	534	552	571	564	585	577	596
60.0	494	472	476	452	455	444	460	479	470	492	483	504
65.0	405	385	389	365	369	354	369	387	378	399	391	413
70.0	317	297	303	276	285	268	283	300	289	311	303	325
75.0	232	209	216	192	195	180	193	195	198	223	210	238
80.0	151	134	138	121	128	109	117	131	119	139	131	154
85.0	81.5	67.9	74.1	60.5	65.1	50.4	54.1	65.0	54.9	71.9	64.3	83.9
90.0	28.0	21.6	25.6	17.6	19.4	13.3	11.6	14.4	9.47	20.1	16.3	26.4

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

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 3000K