

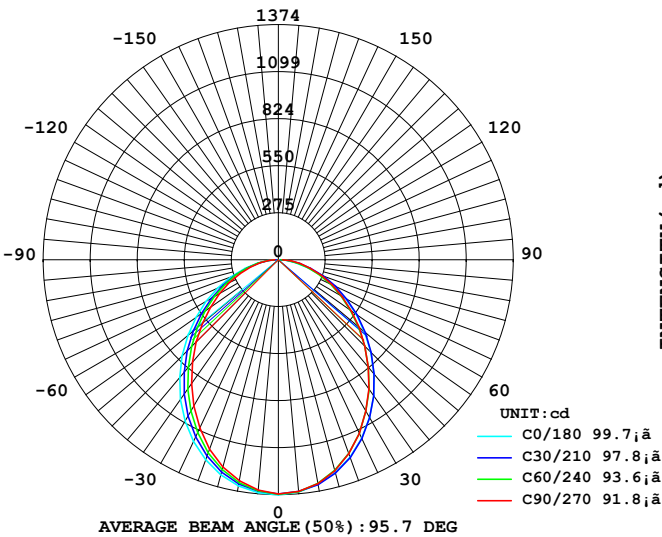
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

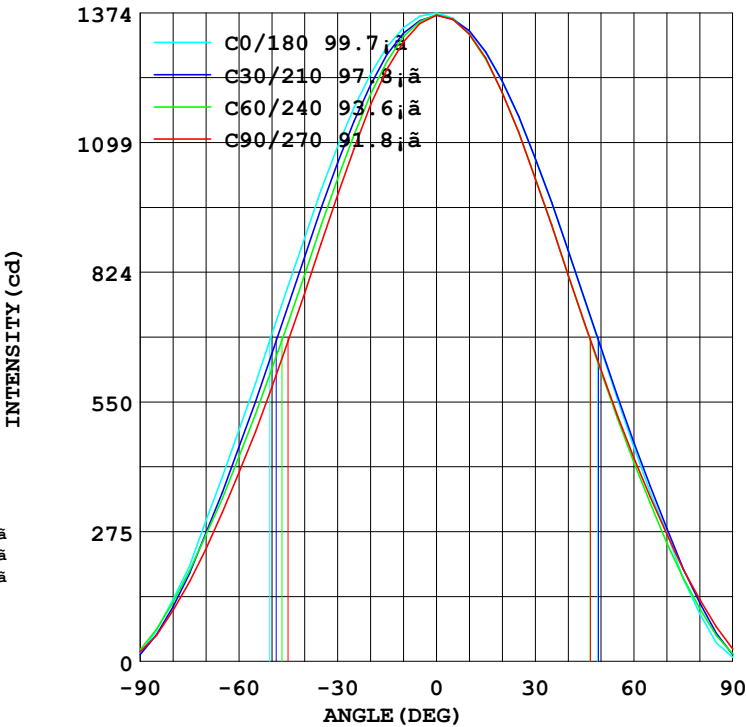
MANUFACTURER: DIVINITY		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1374	S/MH (C0/180)	1.19
MODEL	VIRAJ 5690	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.09
NOMINAL POWER (W)	28	TOTAL FLUX (lm)	3269.7	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	115.7	Current (A)	0.129
NOMINAL FLUX (lm)	3269.8	η up (%)	0.0	Power (W)	28.25
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.986
TEST VOLTAGE (V)	219.7	Effictive Flux (lm)	3194.0	EEI	0.120

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.100 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:

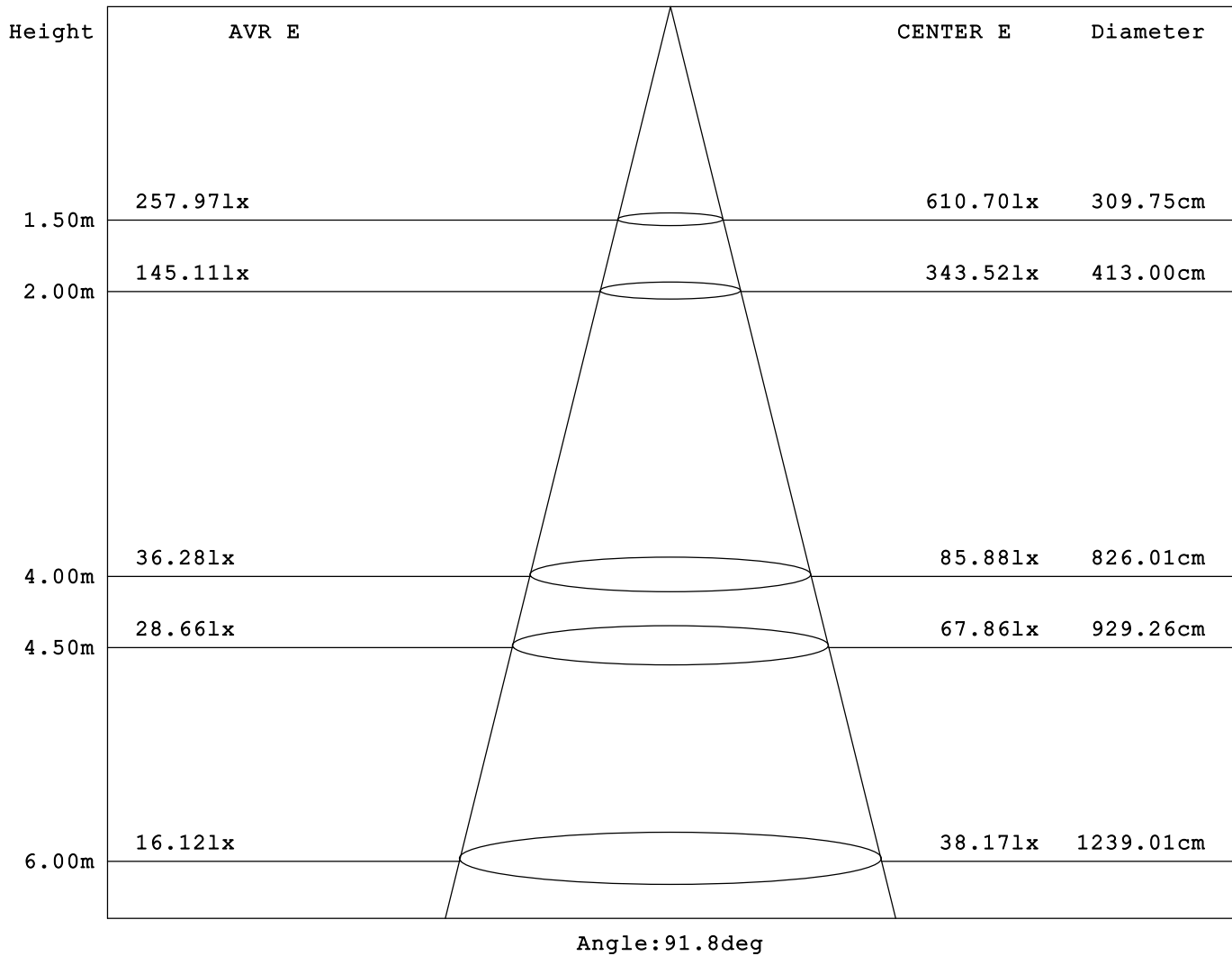
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

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Humidity:65.0%
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY		
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NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 03-08-2025

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

Report number:

MANUFACTURER: DIVINITY		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1343	1328	1312	1319	1334	1332	1330	1333	0- 10	128.7	128.7
20.0	1244	1211	1179	1197	1228	1218	1206	1224	10- 20	360.0	488.8
30.0	1091	1040	988.3	1020	1066	1045	1024	1053	20- 30	520.7	1010
40.0	897.4	838.1	779.7	817.2	871.7	845.2	819.0	855.0	30- 40	589.5	1599
50.0	692.7	635.1	579.9	614.0	661.0	639.2	617.8	652.1	40- 50	569.6	2169
60.0	489.3	442.7	398.9	423.3	454.0	442.5	431.1	454.9	50- 60	480.9	2650
70.0	297.1	269.3	237.7	251.7	273.1	265.8	269.2	285.3	60- 70	350.0	3000
80.0	130.4	119.7	107.4	108.1	100.6	117.8	131.4	130.4	70- 80	200.1	3200
90.0	16.33	19.87	20.86	18.17	8.398	14.82	26.11	21.71	80- 90	69.83	3270
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:03-08-2025

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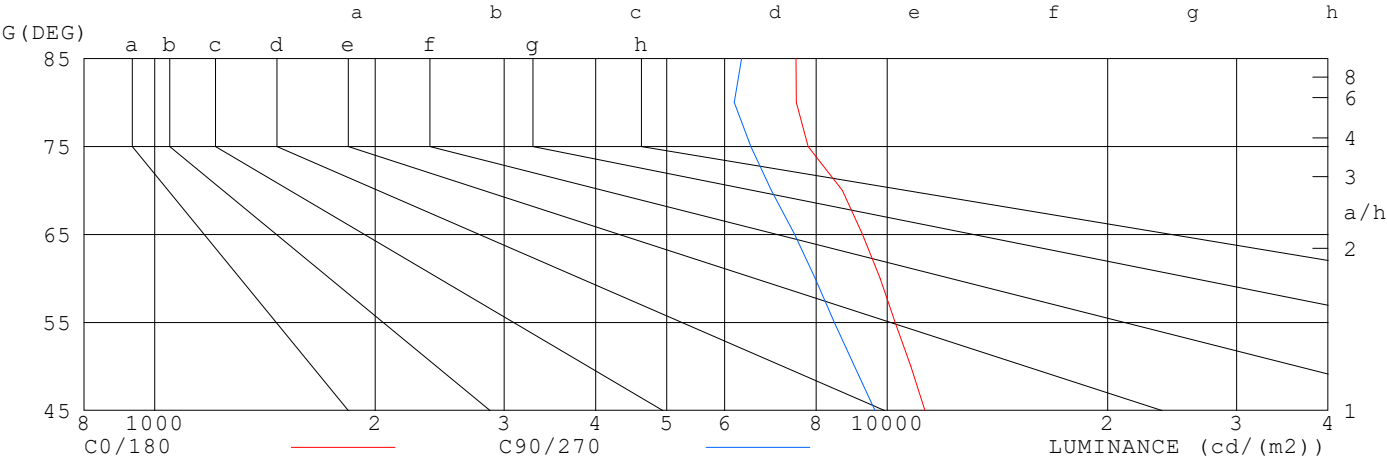
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	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	7505	6331
80	7515	6185
75	7800	6517
70	8688	6950
65	9256	7478
60	9788	7978
55	10257	8470
50	10778	9023
45	11269	9623

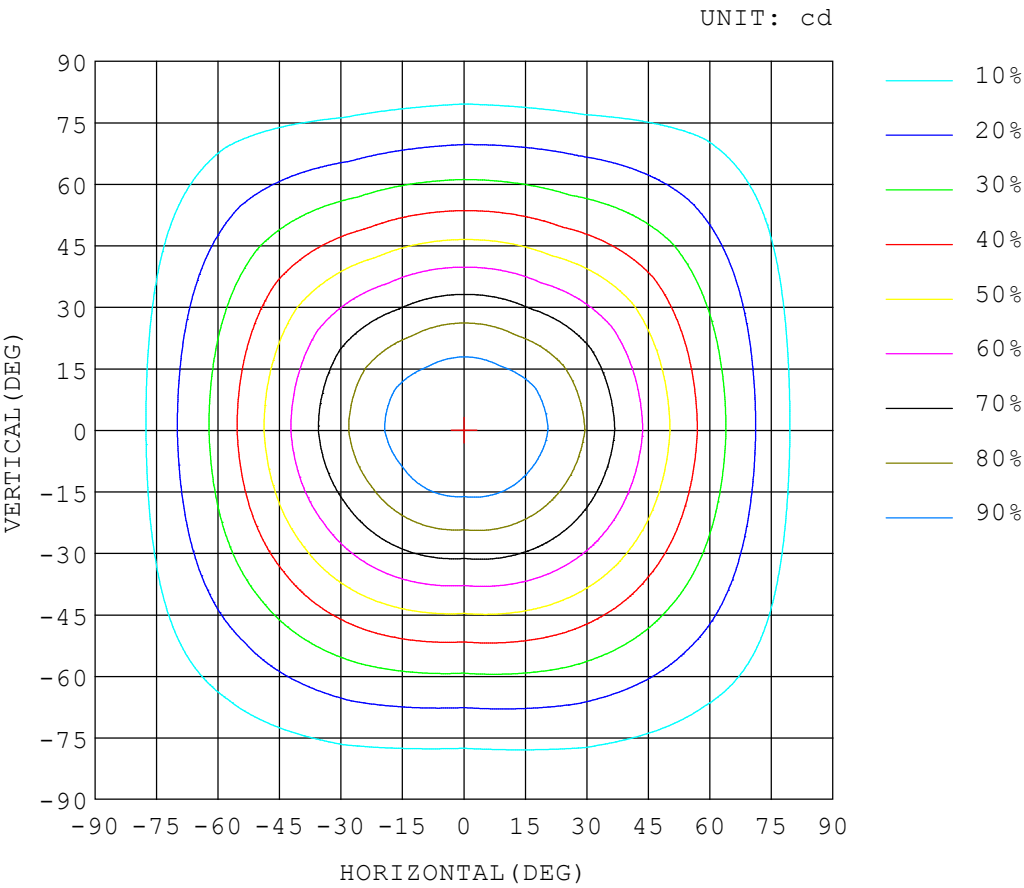
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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ISOCANDELA DIAGRAM

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NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:



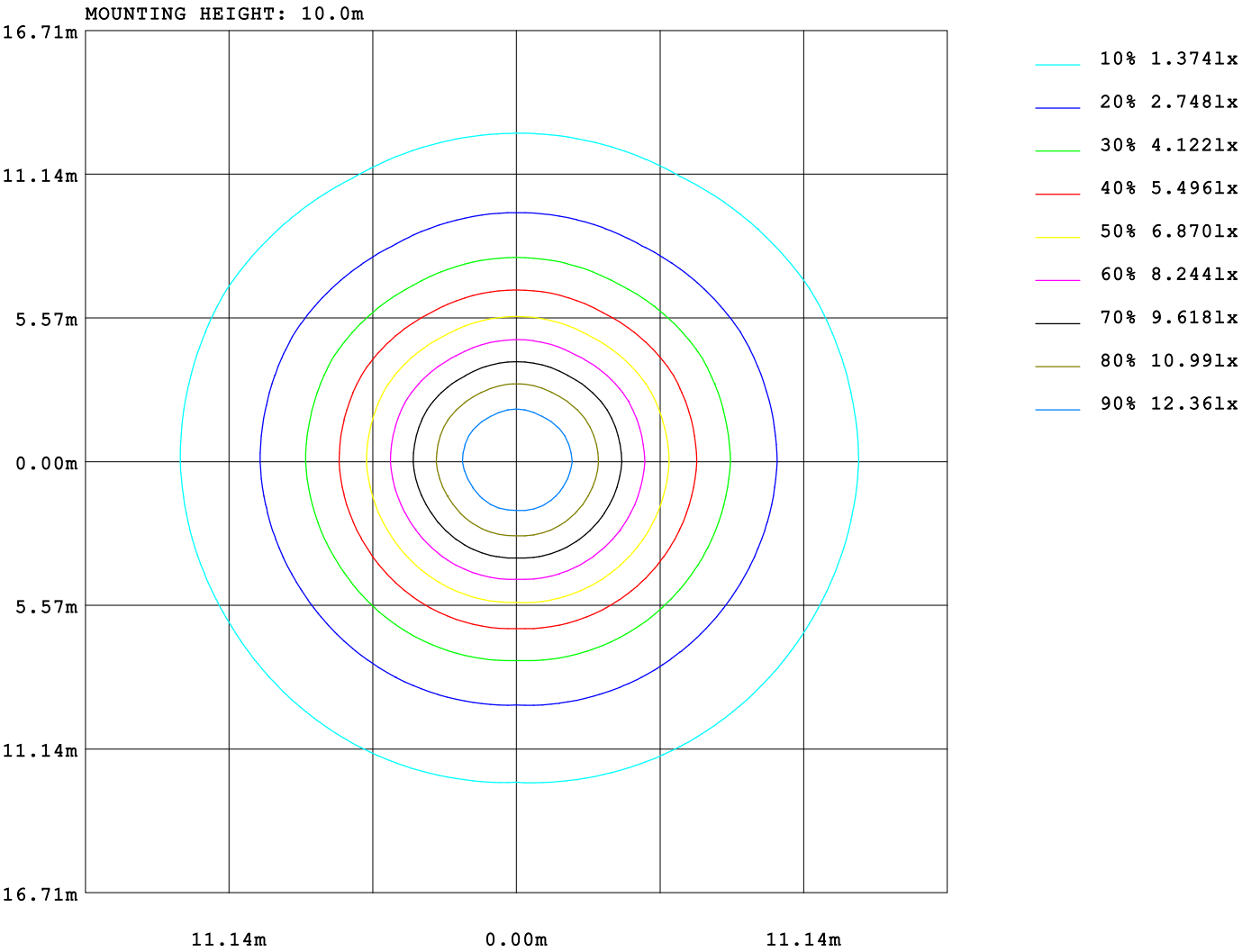
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Temperature:25.3DEG
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ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.100 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY

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

NAME: VIRAJ 5690 PRISMATIC

TYPE: .5W 4K CRI 90

WEIGHT:

SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*56*90 MM

SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm			Φ t	Φ a
	0.04	0.17	0.41	0.70	0.99	1.26	1.57	1.93	2.21	2.25	2.03	1.73	1.46	1.20	0.91	0.57	0.26	0.06	19.7	0.00			
90																							
80																							
70																							
60																							
50																							
40																							
30																							
					</																		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.100 m
 Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY

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

NAME: VIRAJ 5690 PRISMATIC

TYPE: .5W 4K CRI 90

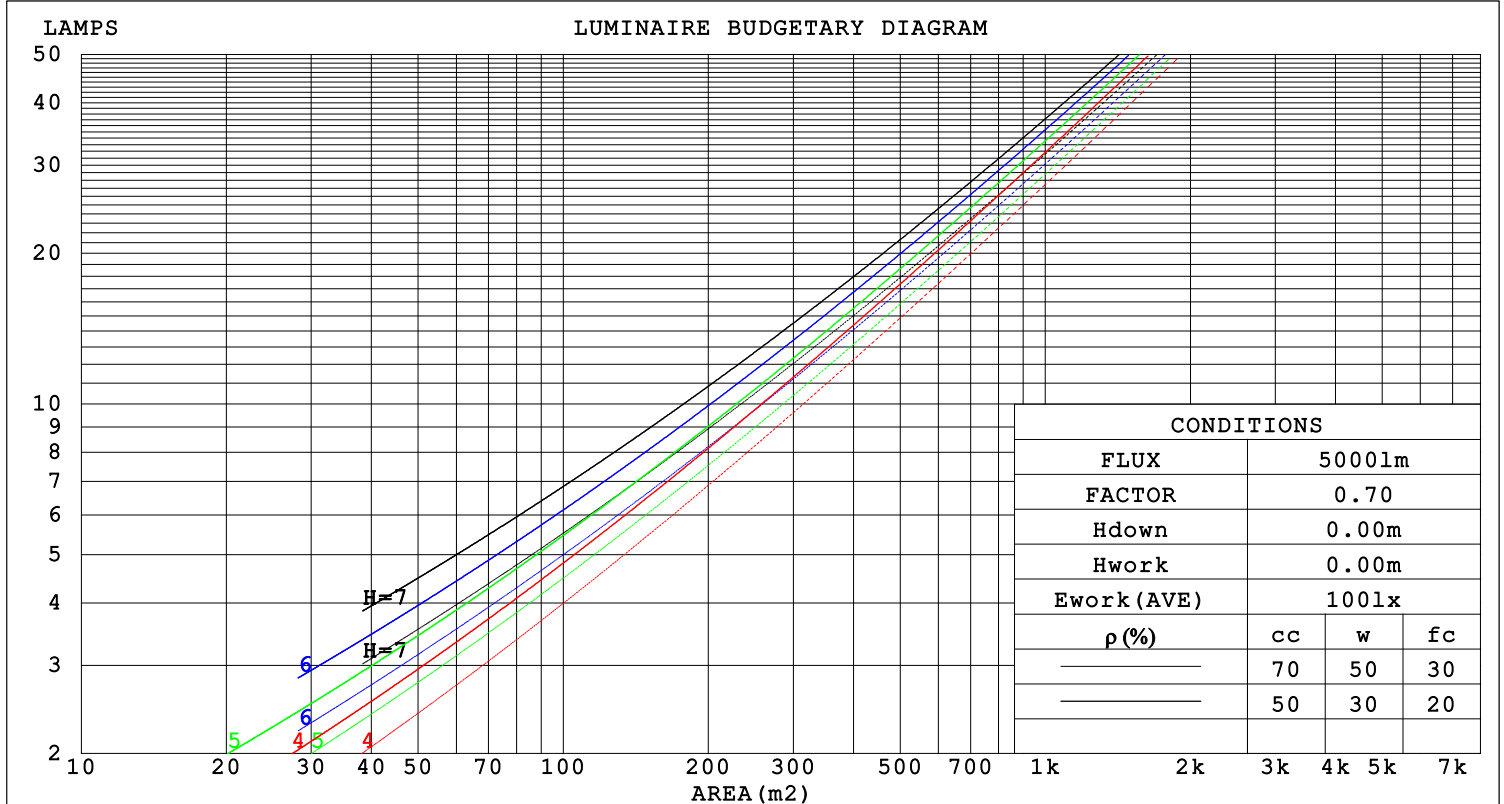
WEIGHT:

SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*56*90 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:25.3DEG
 Operators:
 Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.100 m
 Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY

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

NAME: VIRAJ 5690 PRISMATIC

TYPE: .5W 4K CRI 90

WEIGHT:

SPECIFICATION: FULHAM 600 MA

DIMENSION: 1200*56*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	.300	.171	.054	.293	.167	.053	.280	.160	.051	.268	.154	.050	.256	.149	.048	
2.0	.281	.154	.047	.275	.151	.047	.263	.146	.045	.253	.142	.044	.243	.137	.043	
3.0	.260	.138	.041	.255	.136	.041	.245	.133	.040	.235	.129	.040	.226	.125	.039	
4.0	.241	.125	.037	.236	.123	.036	.227	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.190	.098	.029	.183	.096	.029	
7.0	.193	.095	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.172	.089	.026	
8.0	.181	.088	.025	.178	.087	.025	.172	.086	.025	.167	.084	.024	.162	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.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	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.036	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.100 m
Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY											
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019											
NAME: VIRAJ 5690 PRISMATIC					TYPE: .5W 4K CRI 90			WEIGHT:			
SPECIFICATION: FULHAM 600 MA					DIMENSION: 1200*56*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	20.7	22.2	21.0	22.4	22.6	20.0	21.5	20.3	21.7	21.9	
	22.1	23.4	22.4	23.7	23.9	21.3	22.6	21.6	22.9	23.1	
	22.6	23.9	22.9	24.2	24.4	21.8	23.1	22.1	23.3	23.6	
	23.0	24.3	23.4	24.5	24.8	22.2	23.4	22.5	23.7	23.9	
	23.2	24.3	23.5	24.6	24.9	22.3	23.5	22.6	23.8	24.0	
	23.3	24.4	23.6	24.7	25.0	22.4	23.5	22.7	23.8	24.1	
4H	2H	21.2	22.4	21.5	22.7	23.0	20.6	21.9	20.9	22.2	22.4
	3H	22.7	23.9	23.1	24.1	24.4	22.1	23.2	22.5	23.5	23.8
	4H	23.4	24.4	23.7	24.7	25.1	22.8	23.8	23.1	24.1	24.4
	6H	23.9	24.8	24.3	25.2	25.6	23.3	24.2	23.7	24.6	24.9
	8H	24.1	25.0	24.5	25.3	25.7	23.5	24.3	23.9	24.7	25.1
	12H	24.3	25.1	24.7	25.4	25.8	23.6	24.4	24.0	24.8	25.2
8H	4H	23.6	24.4	24.0	24.8	25.2	23.0	23.9	23.5	24.3	24.7
	6H	24.3	25.0	24.7	25.4	25.8	23.7	24.5	24.2	24.9	25.3
	8H	24.5	25.2	25.0	25.6	26.0	24.0	24.7	24.5	25.1	25.5
	12H	24.8	25.3	25.2	25.8	26.2	24.3	24.8	24.8	25.3	25.7
12H	4H	23.6	24.4	24.0	24.8	25.2	23.1	23.8	23.5	24.2	24.6
	6H	24.3	24.9	24.8	25.4	25.8	23.8	24.4	24.3	24.9	25.3
	8H	24.6	25.2	25.1	25.6	26.1	24.2	24.7	24.6	25.1	25.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.5					

CIE Pub.117 Corrected 3270 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

Test System:HOPOO HPG1800

Temperature:25.3DEG

Operators:

Test Date:03-08-2025

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

Humidity:65.0%

Test Distance:8.100 m

Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*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) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	58	52	67	58	51	45
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	80	74	88	79	73	85	78	72	65
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	92	87	98	91	86	94	88	84	76
3.00	103	96	91	101	95	90	97	92	88	80
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	104	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

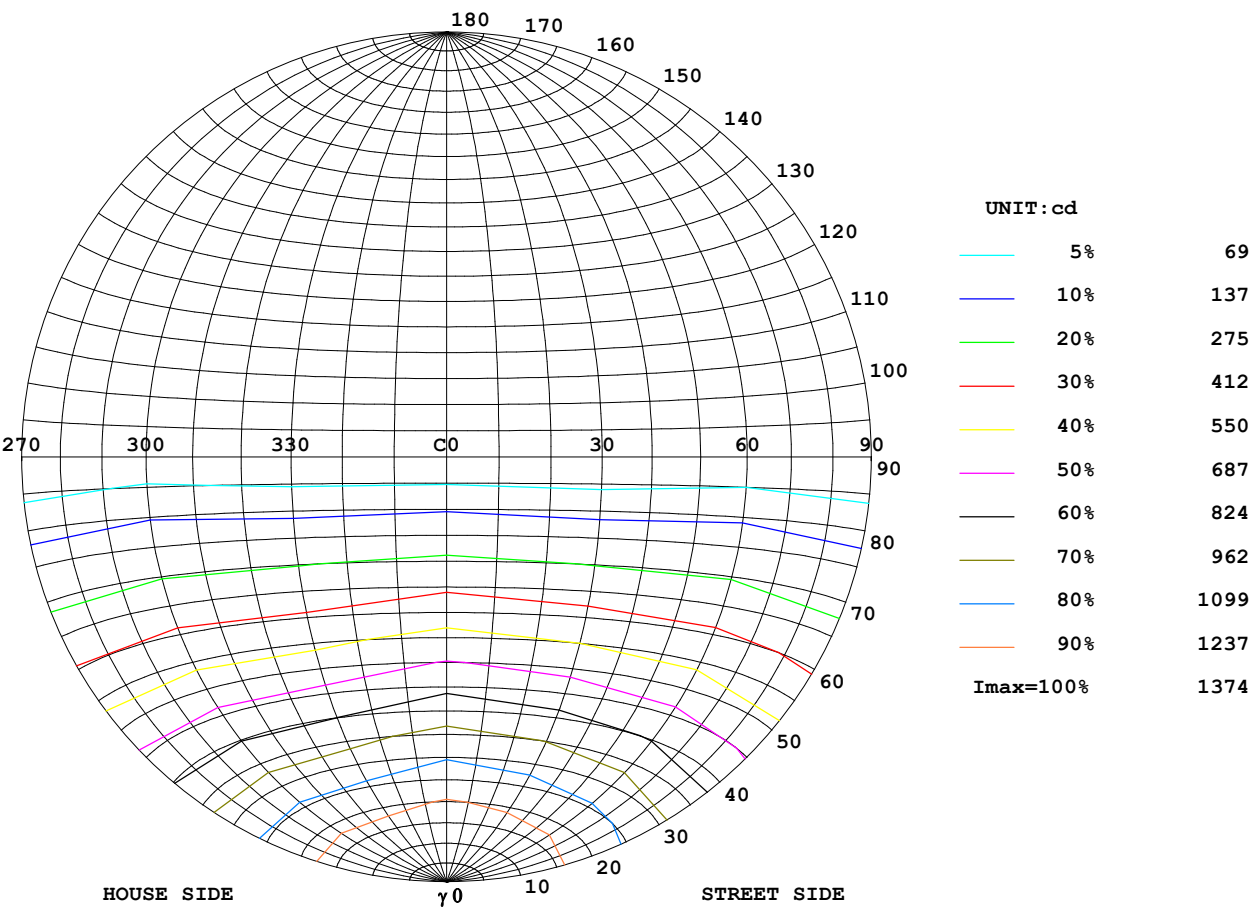
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ISOCANDELA DIAGRAM

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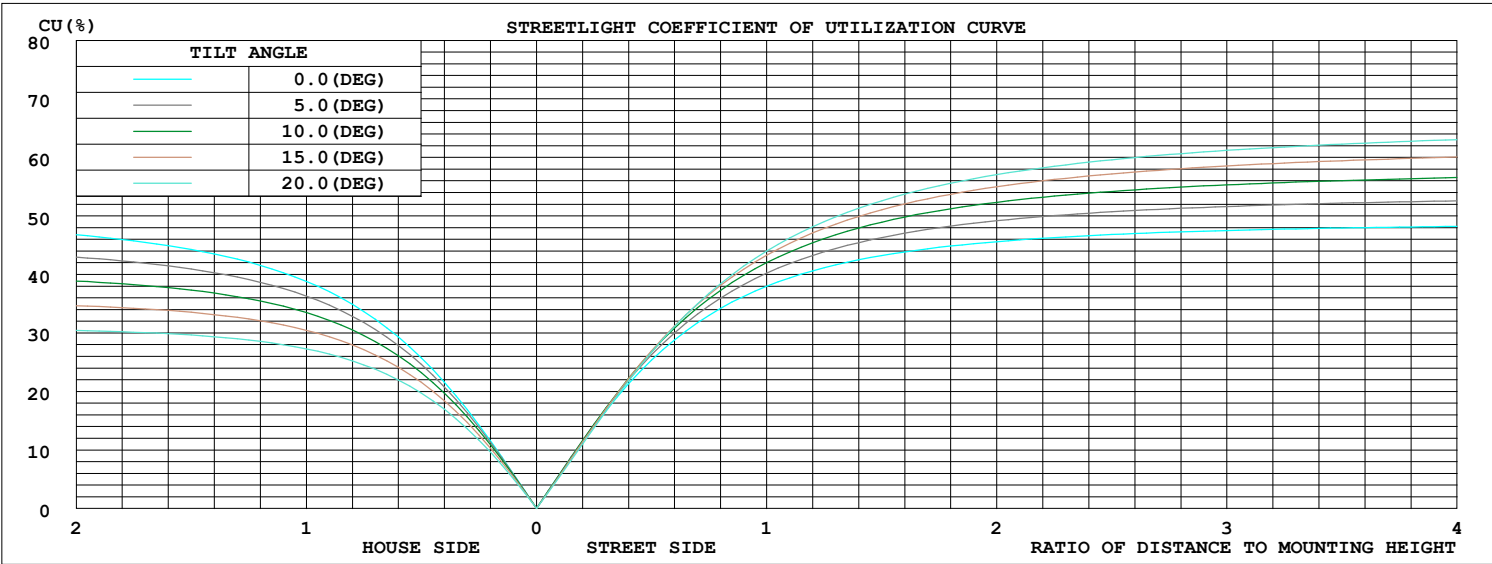
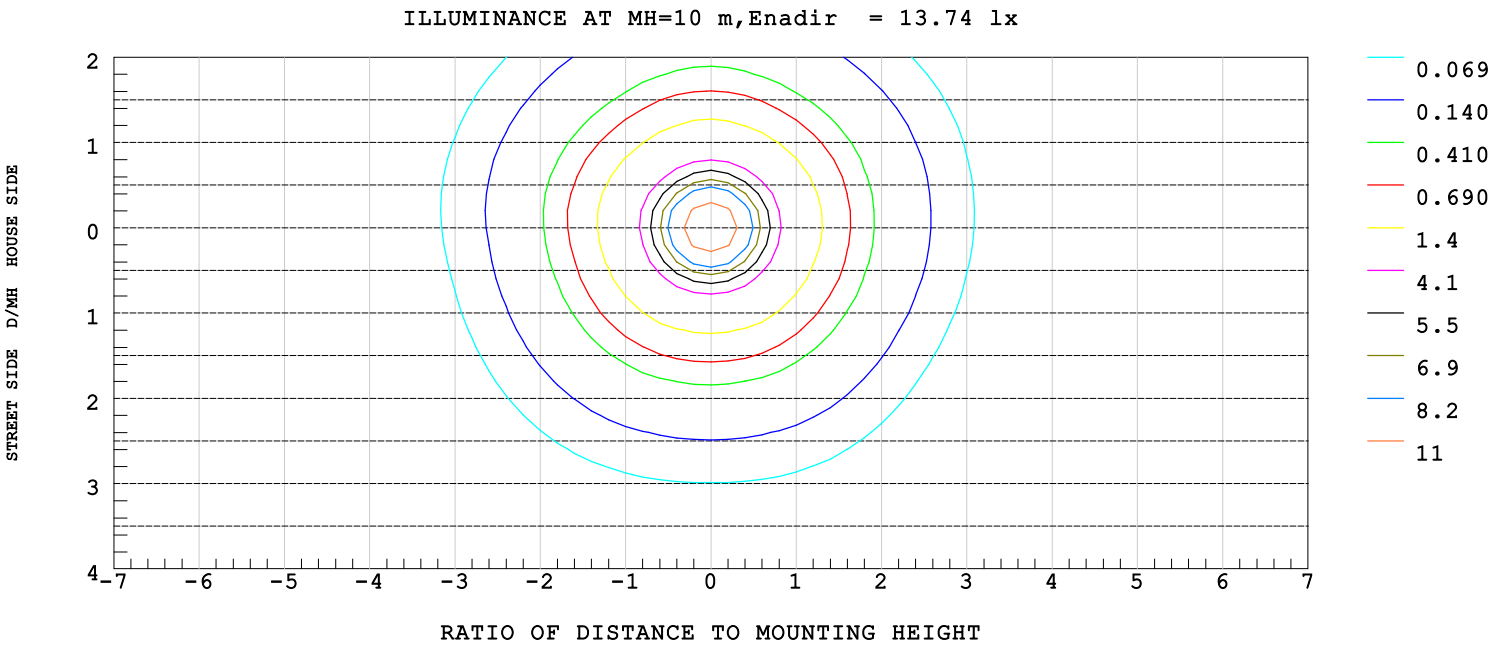
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ISOLUX DIAGRAM

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SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:



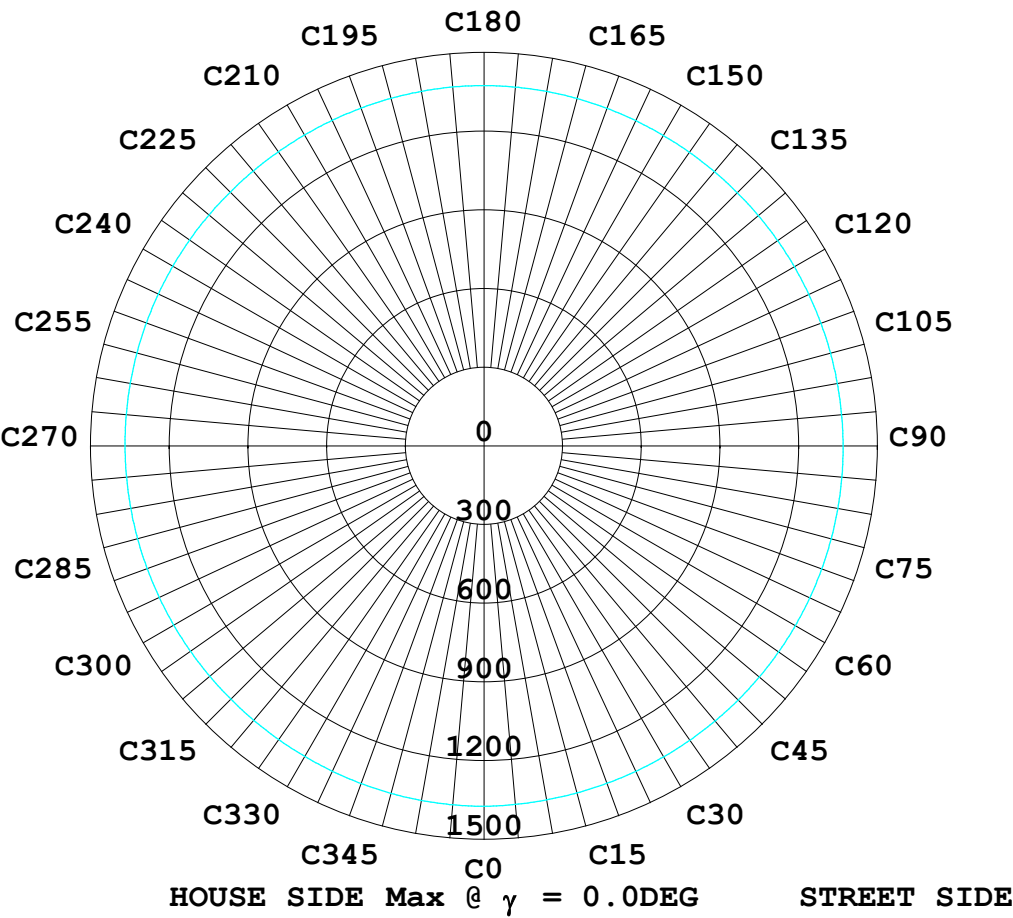
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: DIVINITY		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, Rajasthan 301019		
NAME: VIRAJ 5690 PRISMATIC	TYPE: .5W 4K CRI 90	WEIGHT:
SPECIFICATION: FULHAM 600 MA	DIMENSION: 1200*56*90 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1374	1369	1371	1369	1366	1367	1374	1369	1371	1369	1366	1367
5.0	1367	1357	1356	1351	1355	1352	1363	1360	1361	1360	1359	1363
10.0	1343	1331	1324	1312	1318	1321	1334	1336	1328	1330	1327	1339
15.0	1302	1285	1271	1254	1262	1269	1289	1291	1275	1278	1275	1295
20.0	1244	1221	1202	1179	1192	1202	1228	1230	1205	1206	1209	1239
25.0	1173	1144	1115	1085	1103	1121	1154	1155	1120	1121	1123	1165
30.0	1091	1057	1023	988	1010	1030	1066	1066	1024	1024	1028	1077
35.0	998	960	923	884	909	933	972	972	926	923	930	987
40.0	897	857	819	780	805	829	872	871	819	819	824	886
45.0	797	755	719	680	705	727	765	767	714	716	720	783
50.0	693	651	619	580	605	623	661	665	614	618	622	682
55.0	588	549	523	486	509	522	556	563	515	522	522	580
60.0	489	453	433	399	420	427	454	464	421	431	428	482
65.0	391	358	346	316	335	335	358	371	335	348	343	389
70.0	297	272	267	238	257	247	273	281	250	269	271	300
75.0	202	186	191	169	182	168	175	197	176	195	184	203
80.0	130	115	125	107	117	99.2	101	124	112	131	120	141
85.0	65.4	56.3	68.2	55.1	61.4	43.7	39.6	59.9	54.9	73.5	62.6	75.6
90.0	16.3	14.6	25.0	20.8	23.4	12.9	8.39	14.0	15.6	26.1	20.6	22.7

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-08-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.100 m
Remarks: 4000K