

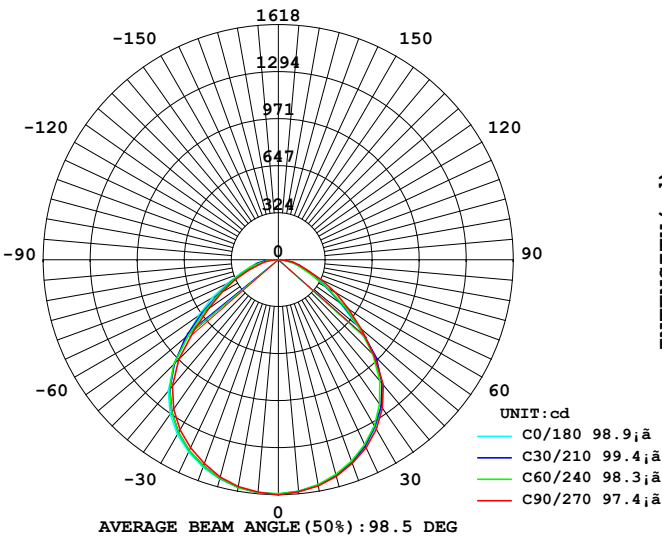
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

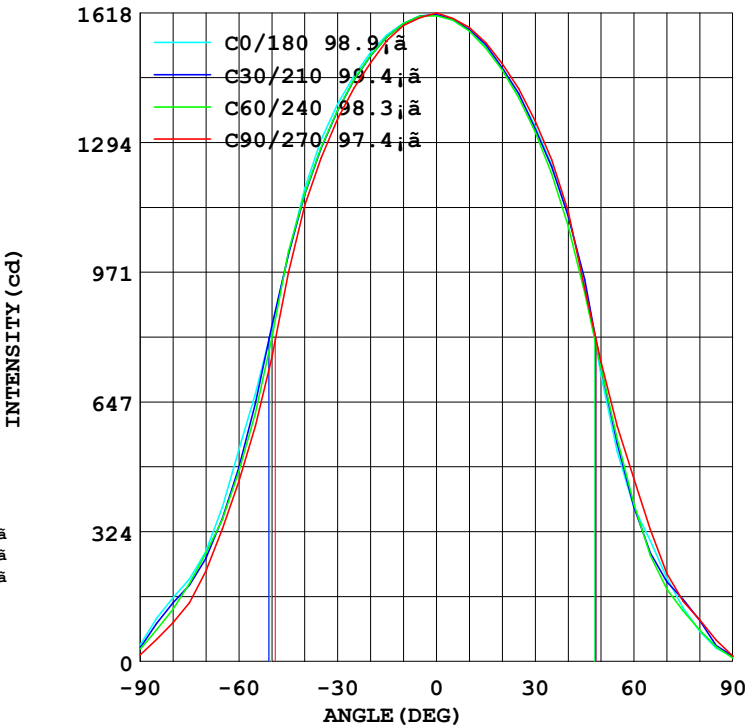
MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:

DATA OF LAMP		Imax (cd)	1618	S/MH (C0/180)	1.28
MODEL	DRACO T145	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
NOMINAL POWER (W)	34	TOTAL FLUX (lm)	3876.0	Voltage (V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	112.2	Current (A)	0.158
NOMINAL FLUX (lm)	3876.0	η up (%)	0.0	Power (W)	34.54
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.991
TEST VOLTAGE (V)	219.9	Effictive Flux (lm)	3749.5	EEI	0.126

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

Color Temperature Data List

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:

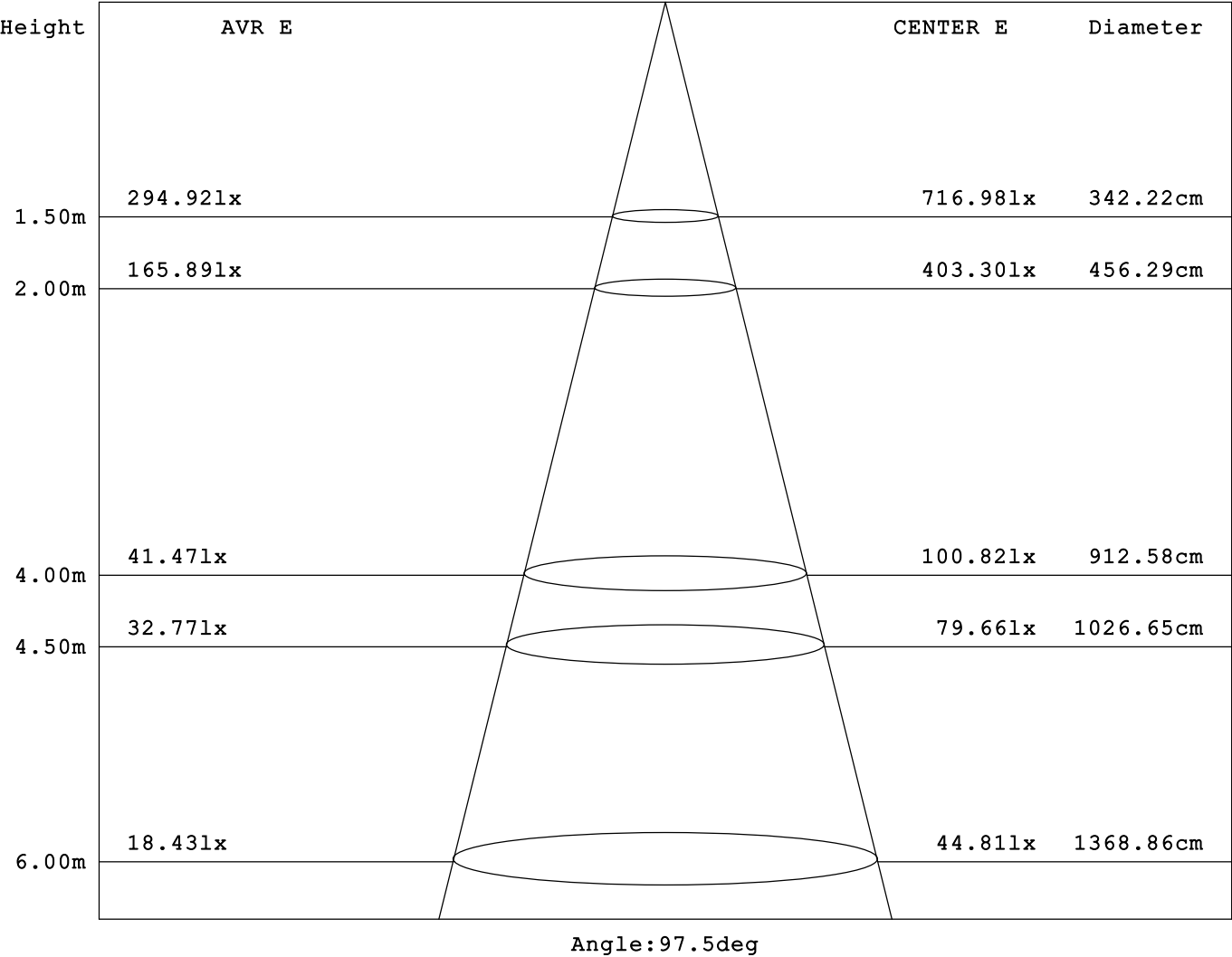
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Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: DIVINITY LIGHTS		
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NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	1592	1591	1586	1576	1574	1575	1582	1586	0- 10	152.4	152.4
20.0	1519	1511	1493	1481	1479	1478	1491	1506	10- 20	436.1	588.6
30.0	1391	1374	1353	1331	1335	1325	1348	1367	20- 30	659.0	1248
40.0	1180	1165	1137	1108	1115	1100	1124	1154	30- 40	782.4	2030
50.0	828.9	820.3	756.3	745.0	714.2	732.7	747.6	801.7	40- 50	742.0	2772
60.0	527.2	477.5	448.3	399.7	383.9	388.6	455.2	467.5	50- 60	534.1	3306
70.0	274.3	262.9	224.5	197.9	208.2	189.1	218.9	255.8	60- 70	323.6	3630
80.0	158.6	137.4	96.16	93.34	74.48	89.69	103.3	131.2	70- 80	176.0	3806
90.0	41.03	32.54	16.61	17.26	11.27	10.69	12.78	23.80	80- 90	69.92	3876
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:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

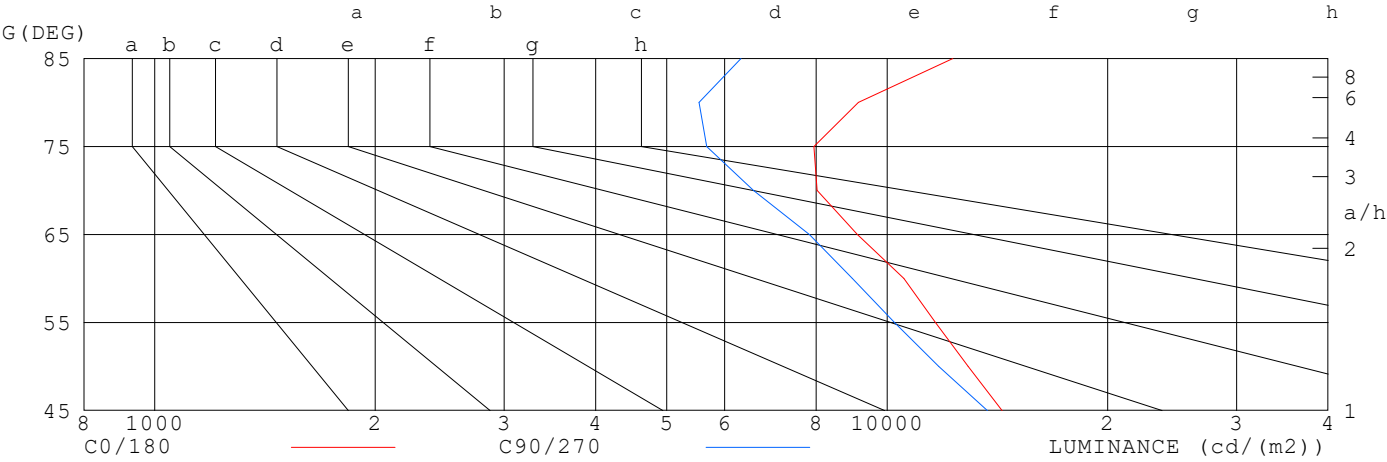
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 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	12294	6317
80	9137	5538
75	7942	5670
70	8021	6565
65	9105	7832
60	10544	8966
55	11640	10238
50	12897	11767
45	14353	13699

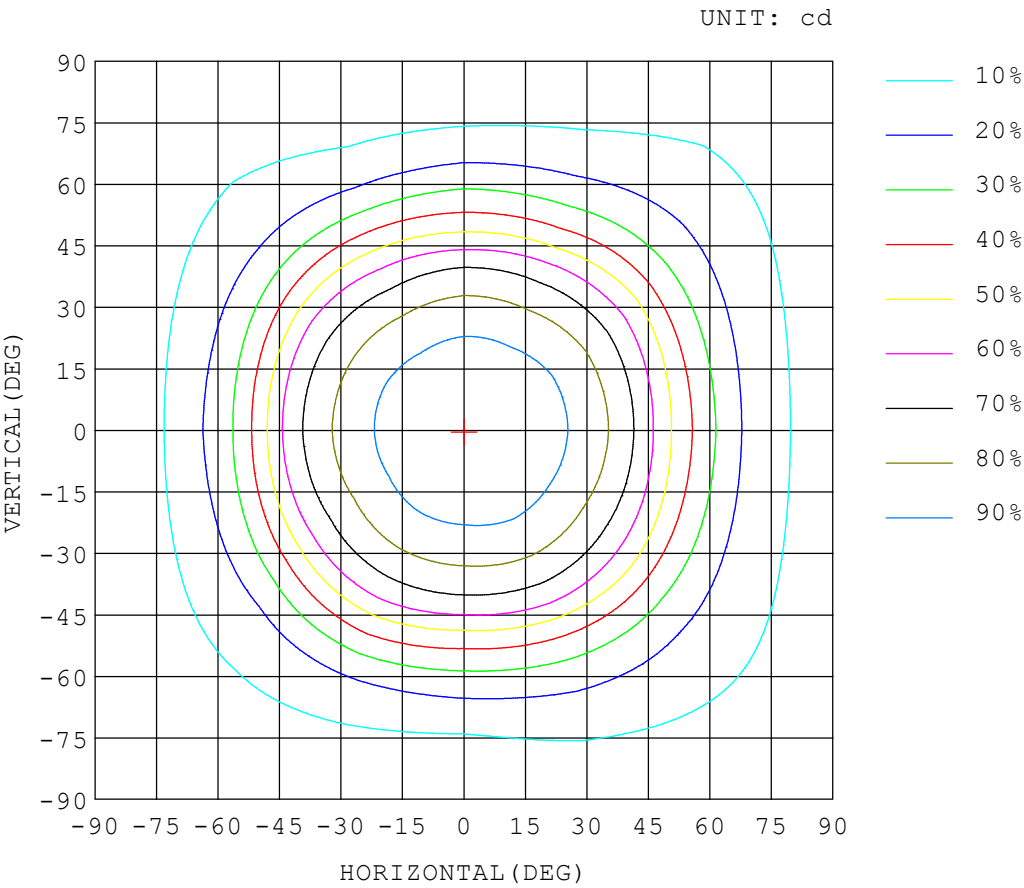
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Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:



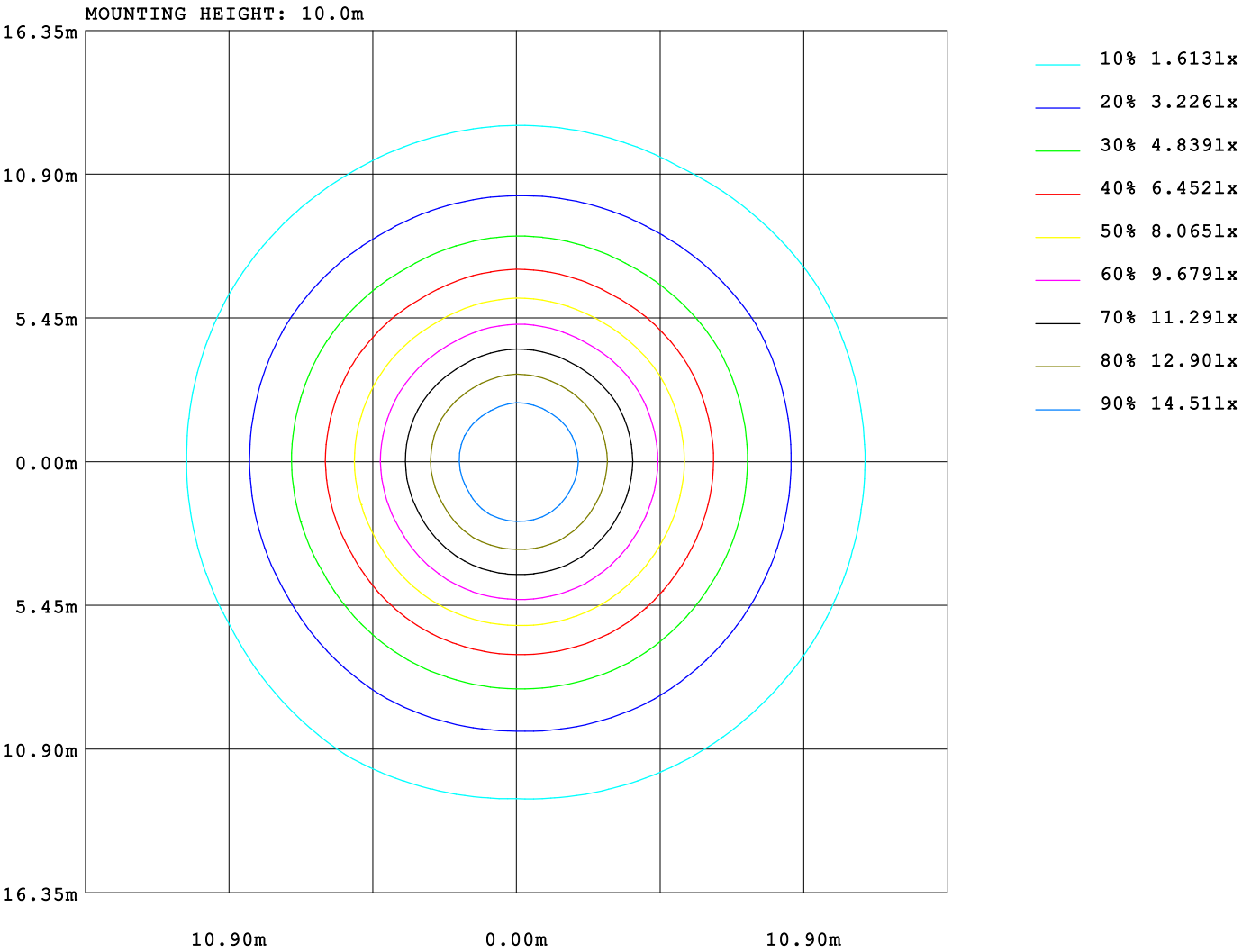
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Temperature:25.3DEG
Operators:
Test Date:05-26-2025

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS																			
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019																			
NAME: DRACO T145										TYPE: 4000K CRI-90					WEIGHT:				
SPECIFICATION: FULHAM 800 MA										DIMENSION: 1200*145*27 MM					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
	0.04	0.15	0.30	0.49	0.67	0.84	1.06	1.35	1.59	1.70	1.65	1.52	1.44	1.37	1.17	0.83	0.44	0.13	16.7	0.00		
90																						
80																						
70																						
60																						
50																						
40																						
30																						

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: DIVINITY LIGHTS

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

NAME: DRACO T145

TYPE: 4000K CRI-90

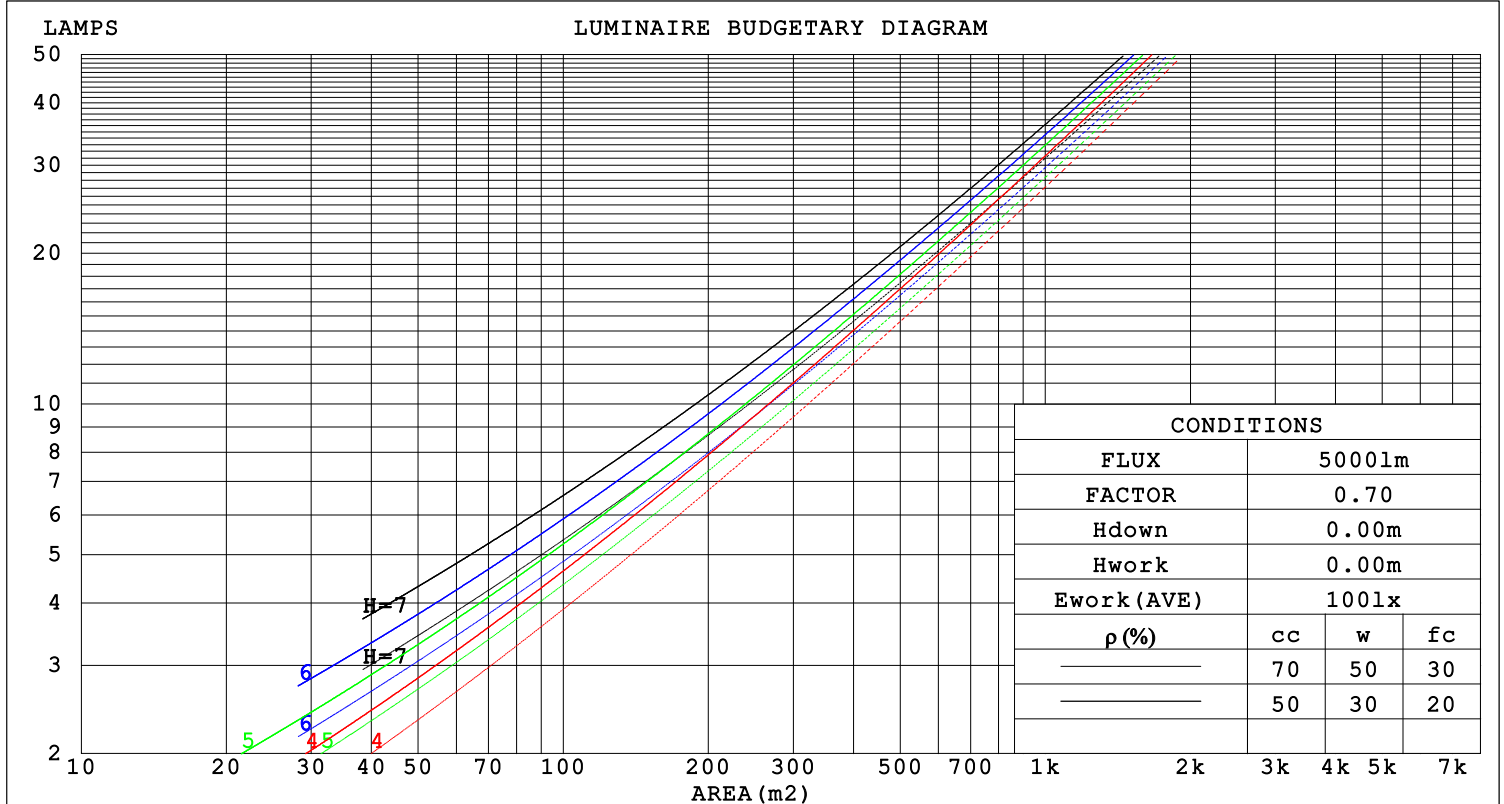
WEIGHT:

SPECIFICATION: FULHAM 800 MA

DIMENSION: 1200*145*27 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: 05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.500 m
 Remarks: 4000K

WEC AND CCEC

Report number:

MANUFACTURER: DIVINITY LIGHTS														
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019														
NAME: DRACO T145							TYPE: 4000K CRI-90					WEIGHT:		
SPECIFICATION: FULHAM 800 MA							DIMENSION: 1200*145*27 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	.282	.161	.051	.275	.157	.050	.262	.150	.048	.250	.144	.046	.239	.139	.045	
2.0	.267	.146	.045	.260	.143	.044	.249	.138	.043	.238	.134	.042	.229	.129	.041	
3.0	.249	.132	.040	.243	.130	.039	.233	.126	.038	.224	.123	.038	.215	.119	.037	
4.0	.231	.120	.035	.227	.119	.035	.218	.116	.035	.210	.113	.034	.202	.110	.033	
5.0	.216	.110	.032	.212	.109	.032	.204	.106	.031	.196	.104	.031	.189	.101	.030	
6.0	.201	.101	.029	.198	.100	.029	.191	.098	.028	.184	.096	.028	.178	.094	.028	
7.0	.189	.093	.026	.185	.092	.026	.179	.091	.026	.173	.089	.026	.168	.087	.026	
8.0	.177	.087	.024	.174	.086	.024	.168	.084	.024	.163	.083	.024	.158	.081	.024	
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.154	.077	.022	.150	.076	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.073	.021	.142	.071	.020	

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	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.077	.137	.098	.067	.094	.068	.047	.055	.040	.028	.018	.013	.009	
4.0	.152	.101	.061	.131	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.082	.041	.119	.071	.036	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.035	.113	.065	.030	.078	.045	.021	.045	.027	.013	.015	.009	.004	
8.0	.125	.069	.030	.108	.060	.026	.075	.042	.018	.043	.025	.011	.014	.008	.004	
9.0	.120	.064	.026	.103	.055	.023	.071	.039	.016	.042	.023	.010	.013	.008	.003	
10.0	.114	.060	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.500 m
 Remarks: 4000K

Uncorrected UGR Table

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 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	21.1	22.5	21.4	22.7	22.9	20.7	22.2	21.0	22.4	22.6
3H	22.0	23.3	22.3	23.5	23.8	21.6	22.9	21.9	23.1	23.3
4H	22.5	23.7	22.8	24.0	24.2	21.9	23.1	22.2	23.4	23.6
6H	23.0	24.2	23.4	24.5	24.7	22.1	23.3	22.5	23.6	23.8
8H	23.3	24.5	23.7	24.8	25.0	22.2	23.4	22.6	23.6	23.9
12H	23.6	24.7	24.0	25.0	25.3	22.3	23.4	22.7	23.7	24.0
4H 2H	21.4	22.7	21.7	22.9	23.2	21.1	22.4	21.4	22.6	22.9
3H	22.5	23.6	22.9	23.9	24.2	22.2	23.3	22.6	23.6	23.9
4H	23.1	24.1	23.5	24.4	24.8	22.7	23.7	23.0	24.0	24.3
6H	23.9	24.8	24.3	25.1	25.5	23.1	24.0	23.5	24.3	24.7
8H	24.3	25.1	24.7	25.5	25.9	23.3	24.1	23.7	24.4	24.8
12H	24.7	25.4	25.1	25.8	26.2	23.4	24.2	23.8	24.5	24.9
8H 4H	23.4	24.2	23.8	24.5	24.9	22.9	23.7	23.3	24.1	24.5
6H	24.3	25.0	24.8	25.4	25.8	23.5	24.2	24.0	24.6	25.0
8H	24.9	25.5	25.4	25.9	26.4	23.8	24.4	24.3	24.9	25.3
12H	25.4	25.9	25.9	26.4	26.8	24.1	24.6	24.6	25.1	25.5
12H 4H	23.4	24.1	23.8	24.5	24.9	23.0	23.7	23.4	24.1	24.5
6H	24.4	25.0	24.9	25.4	25.9	23.7	24.3	24.1	24.7	25.1
8H	25.0	25.6	25.5	26.0	26.5	24.0	24.6	24.5	25.0	25.5

Variations with the observer position at spacings:		
S = 1.0H	+ 0.3 / - 0.3	+ 0.3 / - 0.4
1.5H	+ 0.1 / - 0.2	+ 0.2 / - 0.3
2.0H	+ 0.4 / - 0.4	+ 0.5 / - 0.6

CIE Pub.117 Corrected 3876 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.7)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: DIVINITY LIGHTS		
Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 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	62	51	44	61	51	44	60	50	44	38
0.80	72	61	54	71	61	54	69	60	54	48
1.00	80	70	63	79	70	63	77	71	63	56
1.25	87	78	71	86	77	71	83	75	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	90	84	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	96	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

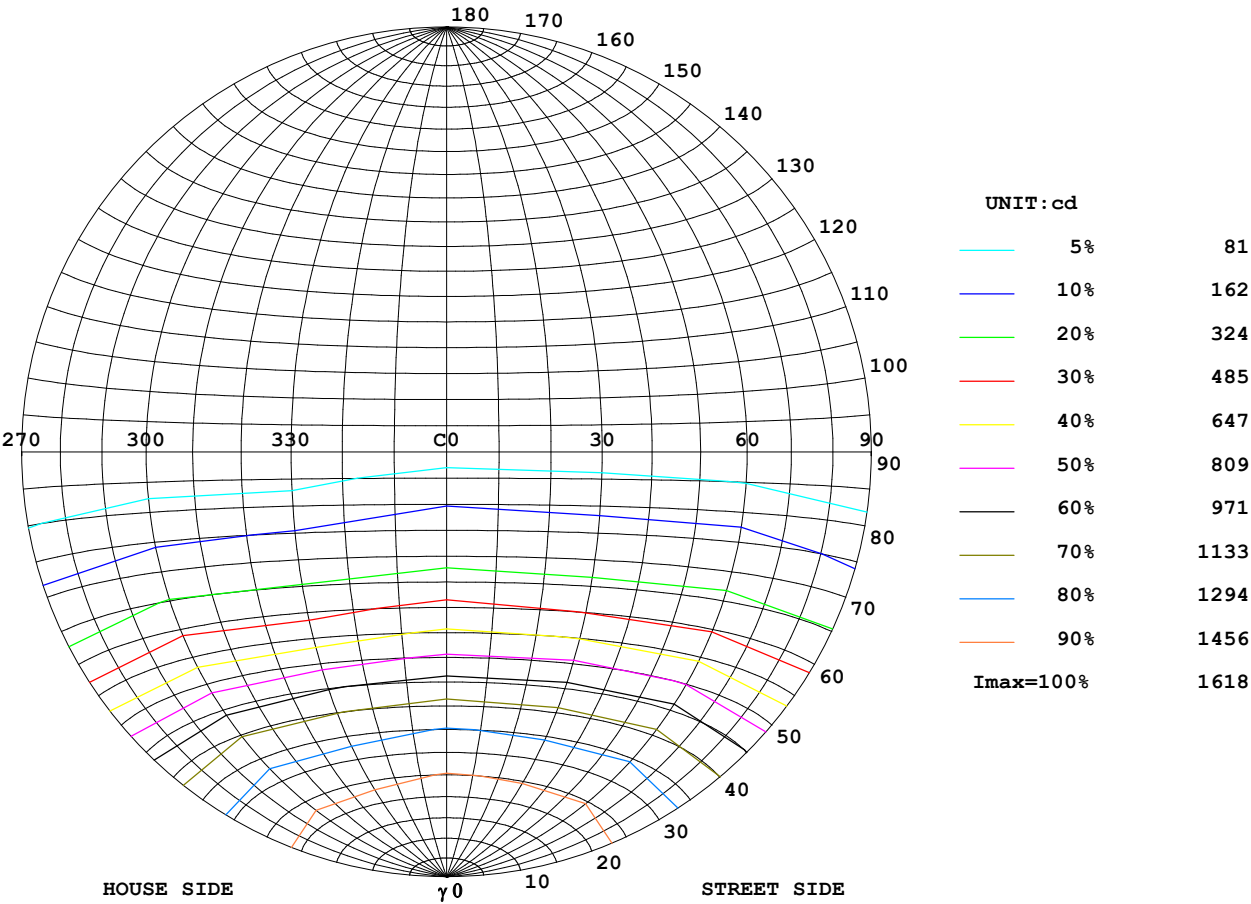
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ISOCANDELA DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

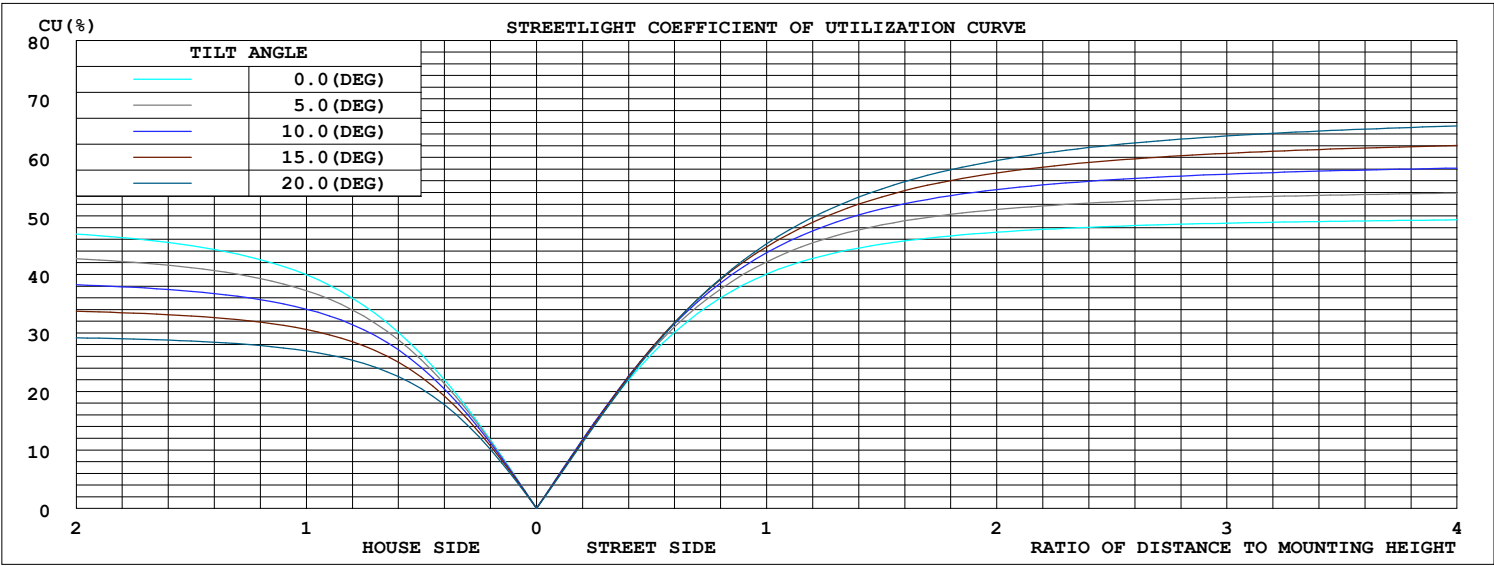
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Remarks: 4000K

ISOLUX DIAGRAM

Report number:

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Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019		
NAME: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 16.13 lx



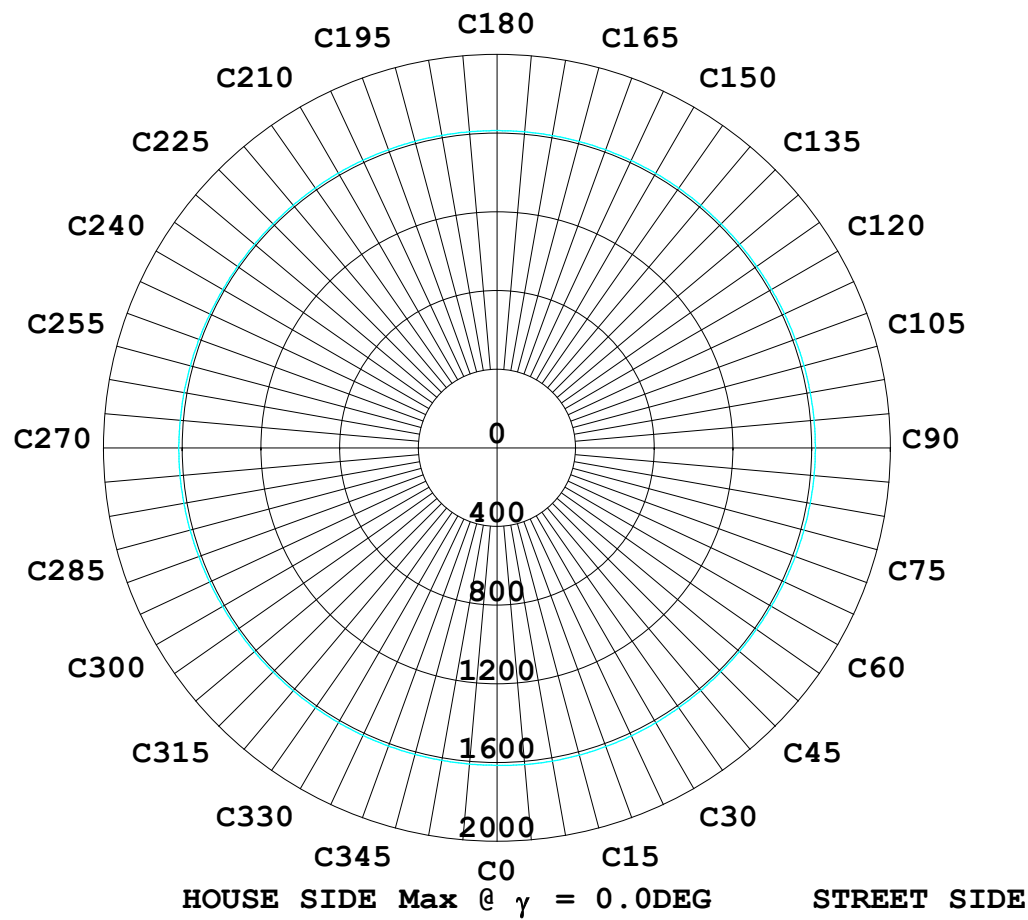
Test System:HOP00 HPG1800
Temperature:25.3DEG
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Operators:
Test Date:05-26-2025

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Humidity:65.0%
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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: DRACO T145	TYPE: 4000K CRI-90	WEIGHT:
SPECIFICATION: FULHAM 800 MA	DIMENSION: 1200*145*27 MM	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1613	1614	1610	1618	1612	1613	1613	1614	1610	1618	1612	1613
5.0	1610	1610	1609	1606	1602	1596	1599	1602	1600	1604	1604	1608
10.0	1592	1591	1592	1586	1581	1571	1574	1577	1573	1582	1581	1590
15.0	1563	1558	1558	1549	1546	1528	1534	1539	1529	1543	1546	1560
20.0	1519	1510	1511	1493	1489	1473	1479	1481	1475	1491	1496	1516
25.0	1460	1450	1451	1430	1423	1407	1414	1416	1406	1428	1431	1457
30.0	1391	1374	1375	1353	1343	1319	1335	1329	1322	1348	1352	1382
35.0	1300	1279	1281	1255	1243	1214	1238	1234	1216	1251	1251	1293
40.0	1180	1164	1166	1137	1123	1093	1115	1112	1088	1124	1129	1178
45.0	1015	1014	1021	969	973	932	945	954	920	932	963	1027
50.0	829	835	805	756	776	715	714	733	733	748	756	847
55.0	668	643	619	587	597	528	522	542	554	587	585	652
60.0	527	482	473	448	430	370	384	385	392	455	443	492
65.0	385	358	354	331	298	249	301	271	265	329	330	372
70.0	274	257	269	225	209	187	208	198	180	219	235	277
75.0	206	191	194	147	151	143	133	154	126	149	167	205
80.0	159	146	129	96.1	97.5	89.1	74.4	102	77.6	103	107	155
85.0	107	94.9	78.7	55.0	53.3	33.0	32.8	39.6	36.0	53.3	61.1	102
90.0	41.0	34.0	31.0	16.6	19.6	14.8	11.2	12.7	8.59	12.7	12.4	35.1

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.500 m
Remarks: 4000K