

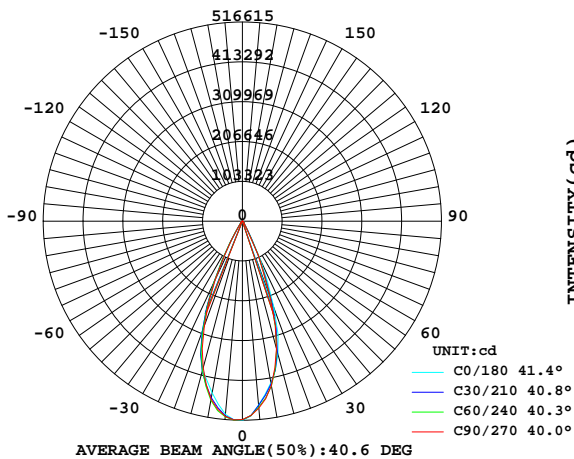
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

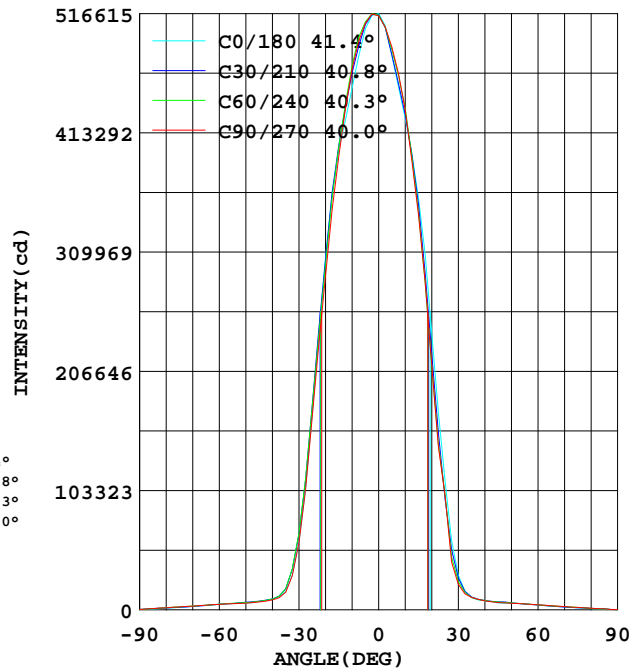
MANUFACTURER:	Address:		
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:	
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	516911	S/MH(C0/180)	0.66
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.66
NOMINAL POWER(W)	1500	TOTAL FLUX(lm)	238052	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	159.6	Current(A)	6.899
NOMINAL FLUX(lm)	238053.0	$\eta$ up(%)	0.8	Power(W)	1492
LAMPS QUANTITY	1	$\eta$ down(%)	99.2	Power Factor(PF)	0.998
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	205667.5	EI	0.099

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:

---

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-31-2020

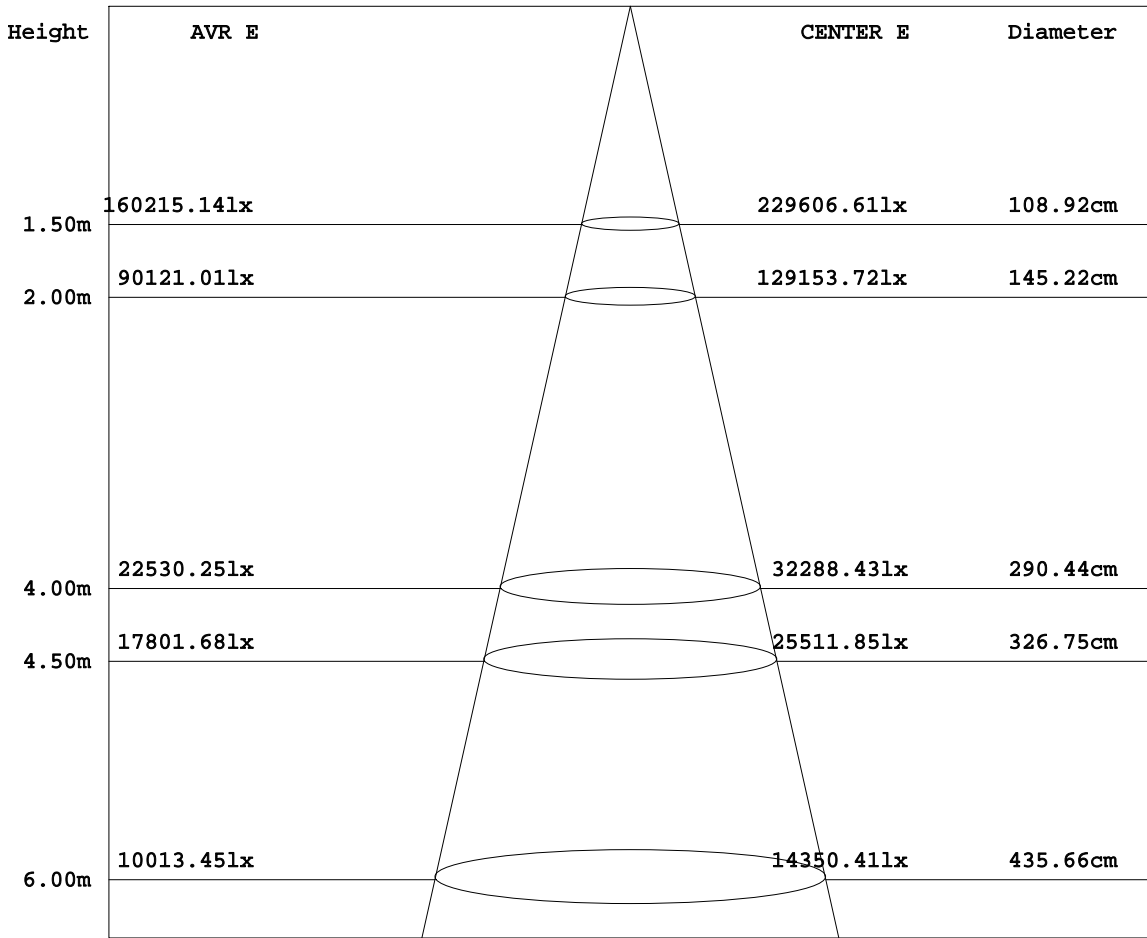
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:



Angle:39.9deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:		
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:	
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:	

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	One	total
5.0	5035	5036	5083	4970	4798	4938	4872	5034	0- 5	12109	12109
10.0	4522	4576	4687	4473	4259	4459	4331	4597	5- 10	33838	45947
15.0	3990	3807	3931	3594	3566	3706	3422	3793	10- 15	48815	94762
20.0	3059	2765	2898	2468	2392	2513	2111	2572	15- 20	52244	147006
25.0	1697	1478	1676	1228	1117	1214	992.1	1302	20- 25	40111	187117
30.0	585.4	494.0	584.1	399.9	298.3	363.9	220.4	372.8	25- 30	20607	207724
35.0	160.2	152.9	153.3	143.3	106.0	131.6	106.8	155.9	30- 35	7280	215004
40.0	92.36	90.33	86.89	91.34	78.97	88.93	78.01	104.0	35- 40	3613	218617
45.0	72.50	74.47	68.50	77.43	60.33	74.87	63.01	81.90	40- 45	2940	221557
50.0	58.14	64.53	58.19	68.68	55.77	65.53	57.52	69.89	45- 50	2690	224246
55.0	55.40	55.43	54.04	55.95	51.83	53.27	51.94	58.84	50- 55	2537	226783
60.0	49.14	45.92	48.27	45.34	43.06	44.70	44.13	48.20	55- 60	2323	229107
65.0	40.23	36.70	40.74	36.70	34.19	36.24	35.80	38.37	60- 65	2014	231121
70.0	30.96	29.56	33.10	29.45	25.72	28.83	28.08	31.51	65- 70	1669	232790
75.0	21.84	23.93	25.82	23.80	17.37	23.04	21.43	25.58	70- 75	1343	234133
80.0	14.22	18.03	17.52	17.08	10.92	16.96	14.29	18.94	75- 80	1016	235149
85.0	7.843	9.669	10.33	8.842	5.311	9.318	8.934	10.53	80- 85	651.7	235801
90.0	3.666	3.199	4.080	2.785	1.968	3.531	1.783	3.560	85- 90	313.7	236115
95.0	2.005	1.644	2.443	1.581	1.606	1.062	0.420	1.228	90- 95	111.3	236226
100.0	1.675	1.324	2.180	1.289	1.211	0.769	0.574	0.771	95-100	67.84	236294
105.0	1.217	1.190	2.089	1.144	0.880	0.761	1.444	0.929	100-105	60.28	236354
110.0	0.864	1.060	2.008	1.030	0.735	0.609	1.232	0.607	105-110	55.48	236410
115.0	0.769	0.962	1.875	0.960	0.721	1.064	0.904	0.870	110-115	47.39	236457
120.0	0.775	0.929	2.230	0.963	0.838	1.219	1.261	1.280	115-120	48.30	236506
125.0	0.952	1.102	1.753	1.179	1.154	1.337	1.810	1.419	120-125	54.40	236560
130.0	1.419	1.619	2.070	1.757	1.886	1.881	2.558	1.822	125-130	67.68	236628
135.0	2.354	2.619	2.888	2.775	3.081	2.890	3.562	2.680	130-135	93.52	236721
140.0	3.691	3.968	3.909	4.153	4.538	4.372	4.830	4.006	135-140	127.9	236849
145.0	5.252	5.700	5.223	5.904	6.313	5.983	6.536	5.548	140-145	164.4	237014
150.0	7.143	7.507	6.999	7.665	8.097	7.707	8.228	7.274	145-150	196.7	237210
155.0	8.881	8.987	8.661	9.132	9.604	9.171	9.609	8.757	150-155	209.8	237420
160.0	10.21	10.20	10.06	10.27	10.77	10.27	10.75	9.869	155-160	202.9	237623
165.0	11.24	11.15	11.04	11.07	11.71	11.20	11.62	10.78	160-165	176.7	237800
170.0	12.05	11.87	11.72	11.59	12.54	11.92	12.28	11.48	165-170	136.4	237936
175.0	12.78	12.40	12.30	11.97	13.09	12.39	12.64	11.93	170-175	86.31	238023
180.0	13.12	12.63	12.59	12.13	13.21	12.58	12.70	12.10	175-180	29.56	238052
DEG	LUMINOUS INTENSITY:×100cd								UNIT:lm		

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

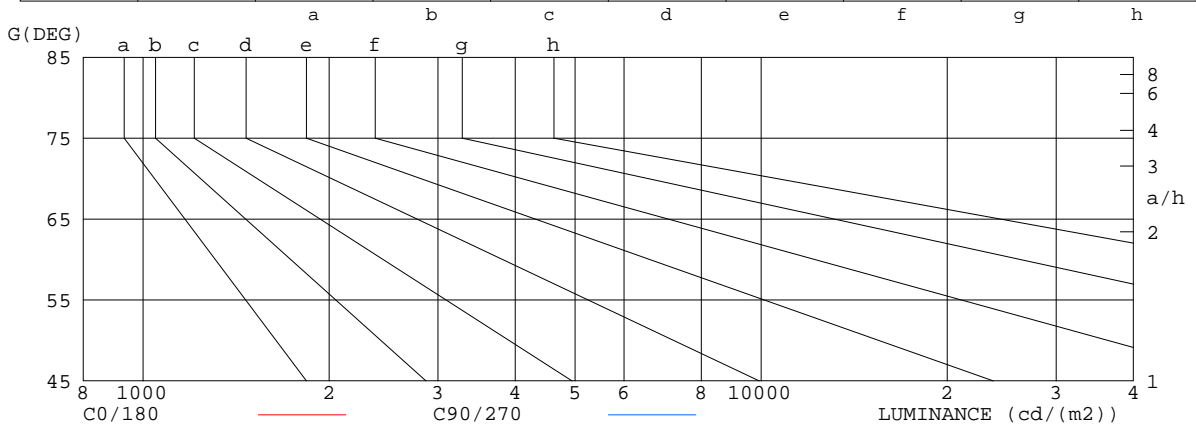
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:
SPECIFICATION:5000K 40	DIMENSION:	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(°)	C0/180	C90/270
85	89991	118580
80	81941	100938
75	84418	99780
70	90535	96805
65	95213	96401
60	98286	96554
55	96588	94220
50	90457	90531
45	102532	96888

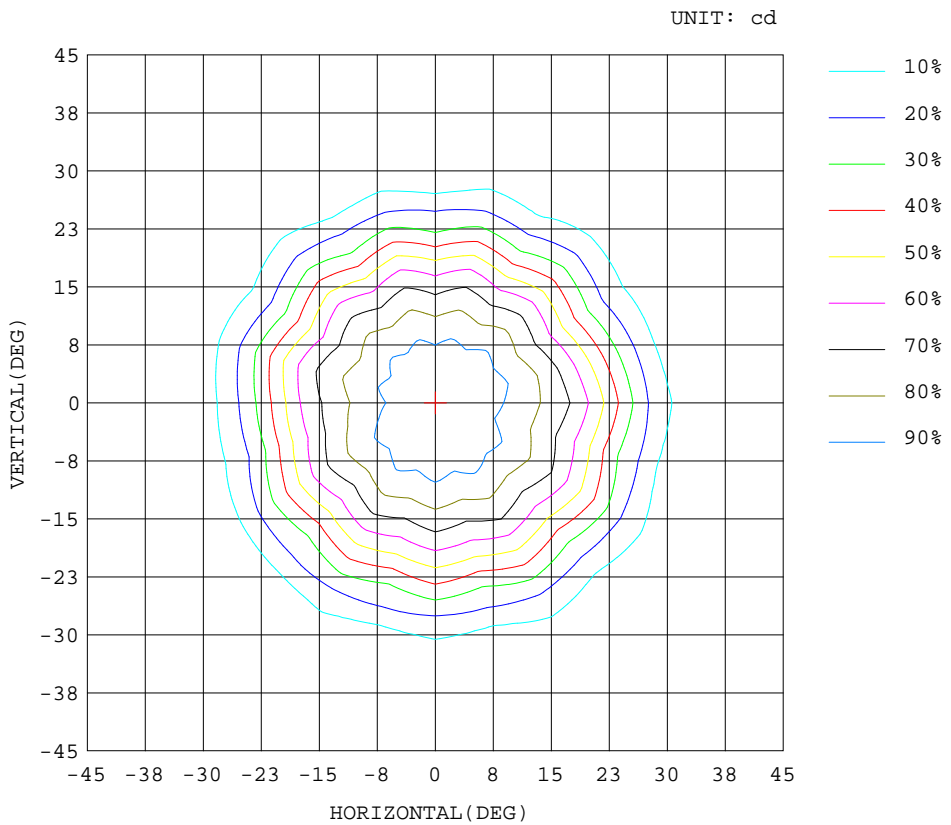
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-1500W-LV (50K)PLUS 40	TYPE:	WEIGHT:
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks: