

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

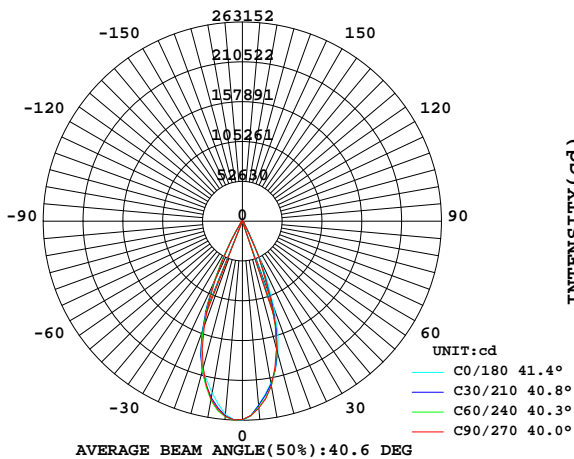
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

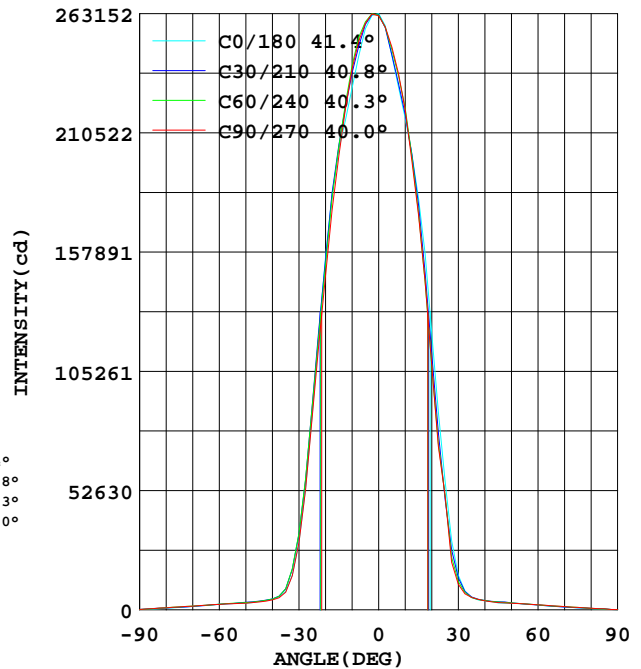
MANUFACTURER:	Address:		
NAME: LSHM-720W-LV (50K)PLUS 40	TYPE:	WEIGHT:	
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	263303	S/MH(C0/180)	0.66
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.66
NOMINAL POWER(W)	720	TOTAL FLUX(lm)	121259	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	169.3	Current(A)	3.416
NOMINAL FLUX(lm)	121259.0	$\eta$ up(%)	0.8	Power(W)	716.2
LAMPS QUANTITY	1	$\eta$ down(%)	99.2	Power Factor(PF)	0.989
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	104762.5	EI	0.093

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-720W-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

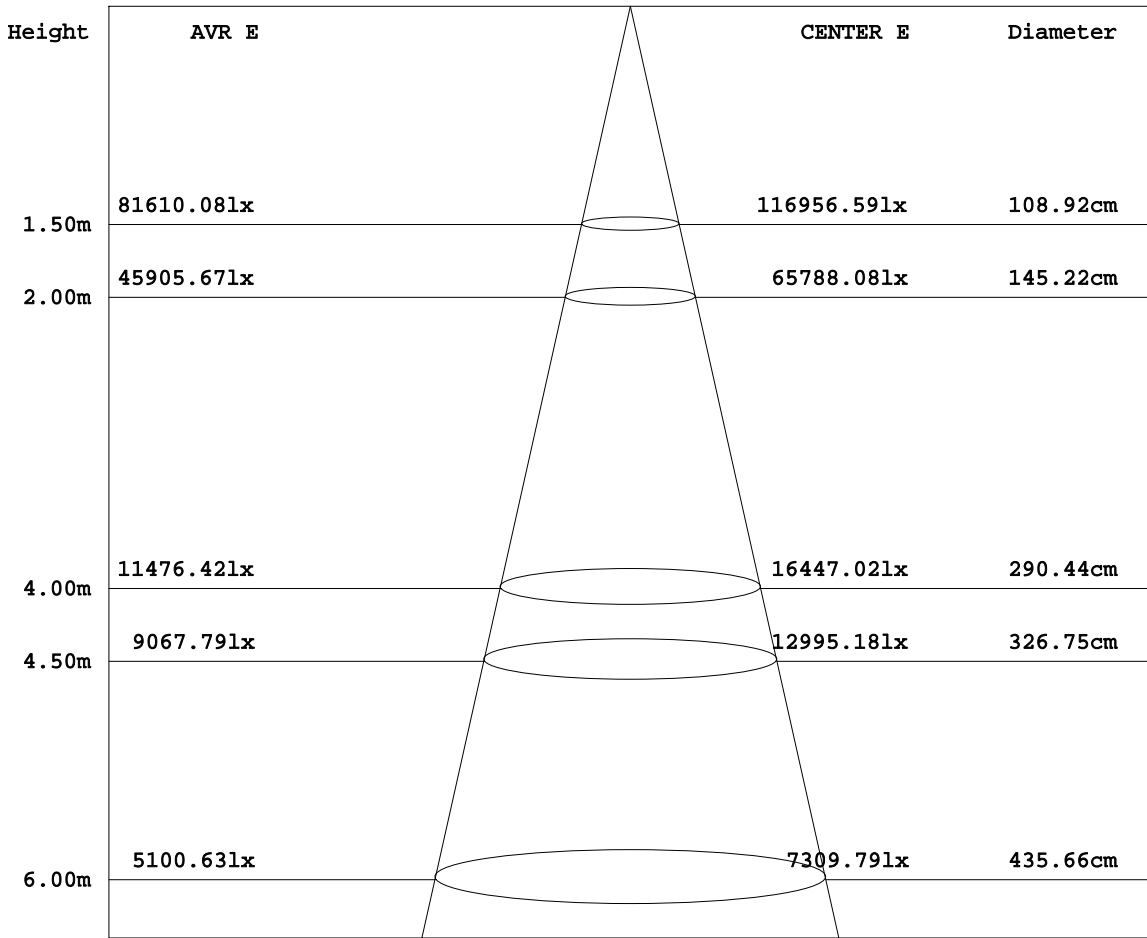
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-720W-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-720W-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	2565	2565	2589	2532	2444	2515	2482	2564	0- 5	6168	6168
10.0	2304	2331	2387	2279	2169	2271	2206	2342	5- 10	17236	23404
15.0	2032	1939	2003	1831	1817	1888	1743	1932	10- 15	24866	48270
20.0	1558	1409	1476	1257	1219	1280	1076	1310	15- 20	26612	74882
25.0	864.3	753.0	853.6	625.5	568.8	618.2	505.3	663.0	20- 25	20431	95313
30.0	298.2	251.6	297.5	203.7	151.9	185.3	112.2	189.9	25- 30	10497	105810
35.0	81.60	77.90	78.11	73.03	54.04	67.03	54.44	79.42	30- 35	3708	109518
40.0	47.04	46.01	44.26	46.52	40.22	45.30	39.74	53.00	35- 40	1840	111359
45.0	36.93	37.93	34.89	39.44	30.73	38.13	32.09	41.72	40- 45	1497	112856
50.0	29.61	32.87	29.64	34.98	28.40	33.38	29.30	35.60	45- 50	1370	114226
55.0	28.21	28.23	27.52	28.50	26.40	27.13	26.45	29.97	50- 55	1292	115519
60.0	25.03	23.39	24.59	23.09	21.93	22.77	22.48	24.55	55- 60	1184	116702
65.0	20.49	18.69	20.75	18.69	17.41	18.46	18.24	19.54	60- 65	1026	117728
70.0	15.77	15.05	16.86	15.00	13.10	14.69	14.30	16.05	65- 70	850.2	118578
75.0	11.12	12.19	13.15	12.12	8.851	11.73	10.91	13.03	70- 75	684.1	119262
80.0	7.247	9.185	8.928	8.702	5.566	8.639	7.279	9.649	75- 80	517.7	119780
85.0	3.995	4.925	5.264	4.504	2.705	4.746	4.551	5.364	80- 85	331.9	120112
90.0	1.867	1.629	2.078	1.418	1.002	1.798	0.909	1.813	85- 90	159.8	120272
95.0	1.021	0.838	1.244	0.806	0.818	0.541	0.214	0.626	90- 95	56.69	120329
100.0	0.853	0.674	1.110	0.657	0.617	0.392	0.293	0.393	95-100	34.55	120363
105.0	0.620	0.606	1.064	0.583	0.448	0.388	0.736	0.473	100-105	30.70	120394
110.0	0.440	0.540	1.023	0.525	0.374	0.310	0.628	0.309	105-110	28.26	120422
115.0	0.392	0.490	0.955	0.489	0.367	0.542	0.461	0.443	110-115	24.14	120446
120.0	0.395	0.473	1.136	0.491	0.427	0.621	0.642	0.652	115-120	24.60	120471
125.0	0.485	0.562	0.893	0.601	0.588	0.681	0.922	0.723	120-125	27.71	120499
130.0	0.723	0.825	1.054	0.895	0.961	0.958	1.303	0.928	125-130	34.47	120533
135.0	1.199	1.334	1.471	1.414	1.569	1.472	1.814	1.365	130-135	47.63	120581
140.0	1.880	2.021	1.991	2.115	2.311	2.227	2.460	2.040	135-140	65.16	120646
145.0	2.675	2.903	2.660	3.007	3.215	3.047	3.329	2.826	140-145	83.76	120730
150.0	3.638	3.824	3.565	3.904	4.124	3.926	4.191	3.705	145-150	100.2	120830
155.0	4.523	4.578	4.412	4.652	4.892	4.671	4.895	4.460	150-155	106.8	120937
160.0	5.201	5.196	5.124	5.234	5.488	5.234	5.477	5.027	155-160	103.3	121040
165.0	5.726	5.683	5.624	5.639	5.968	5.705	5.919	5.493	160-165	90.03	121130
170.0	6.141	6.046	5.970	5.904	6.390	6.074	6.258	5.852	165-170	69.52	121200
175.0	6.510	6.317	6.270	6.099	6.669	6.313	6.440	6.078	170-175	43.96	121244
180.0	6.684	6.435	6.417	6.179	6.730	6.409	6.473	6.168	175-180	15.05	121259
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

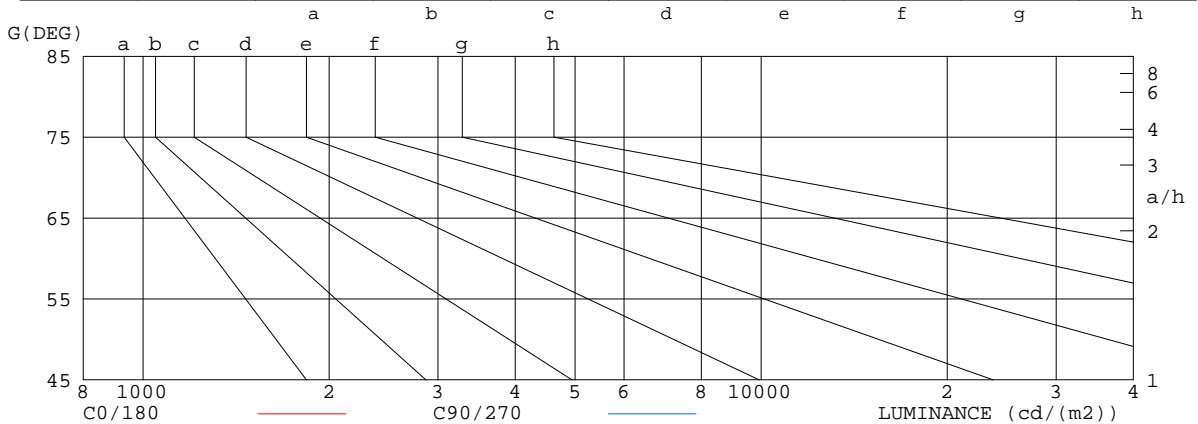
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-720W-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(DEC)	C0/180	C90/270
85	45840	60402
80	41739	51415
75	43001	50826
70	46117	49310
65	48500	49104
60	50065	49182
55	49200	47994
50	46077	46114
45	52228	49352

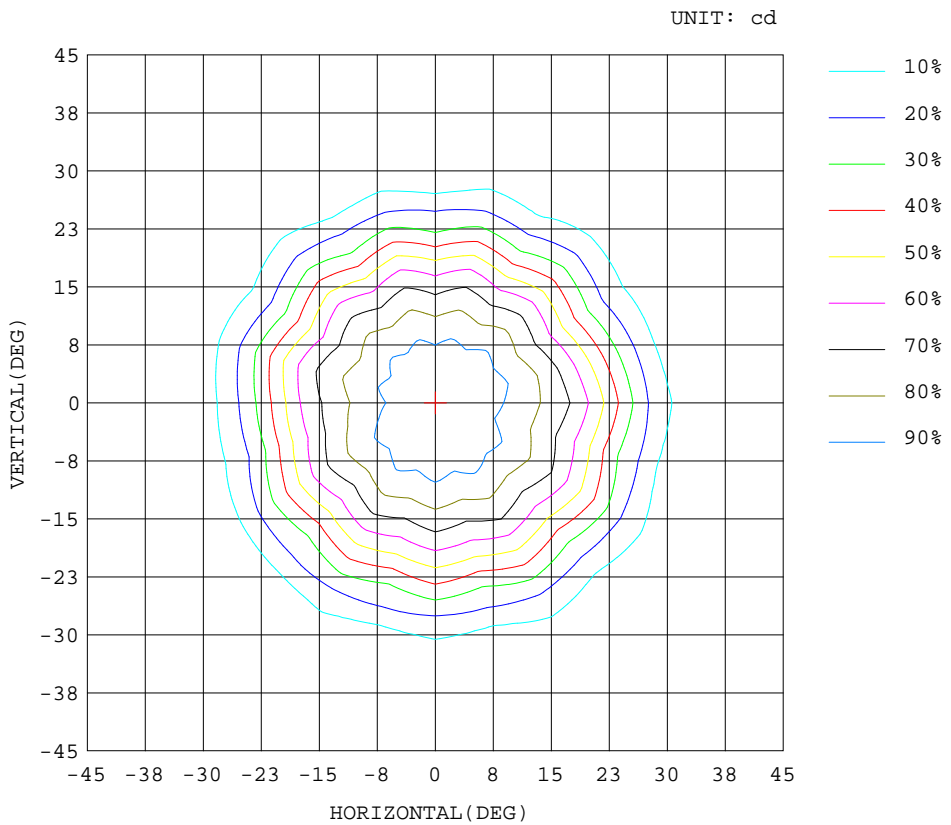
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-31-2020

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-720W-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: