

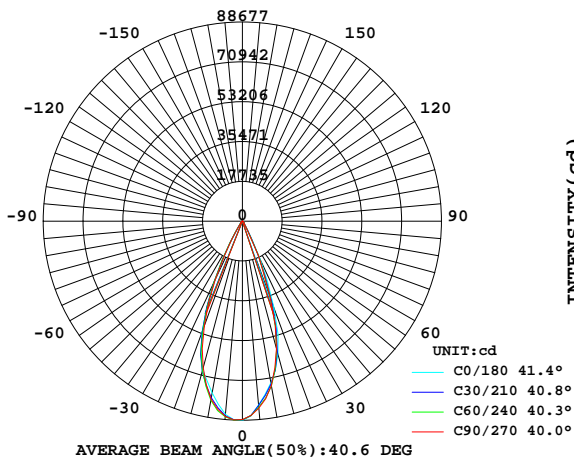
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

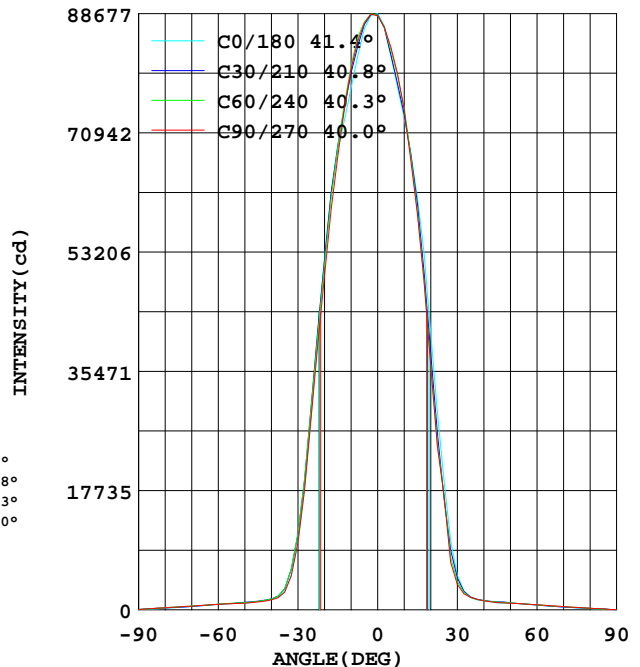
MANUFACTURER:	Address:		
NAME: LSHM-240W-LV (50K)PLUS 40	TYPE:	WEIGHT:	
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	88728	S/MH(C0/180)	0.66
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.66
NOMINAL POWER(W)	240	TOTAL FLUX(lm)	40862	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	170.4	Current(A)	1.123
NOMINAL FLUX(lm)	40862.0	$\eta$ up(%)	0.8	Power(W)	239.8
LAMPS QUANTITY	1	$\eta$ down(%)	99.2	Power Factor(PF)	0.987
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	35303.0	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:	
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Temperature:25.3DEG  
Operators:  
Test Date:03-31-2020

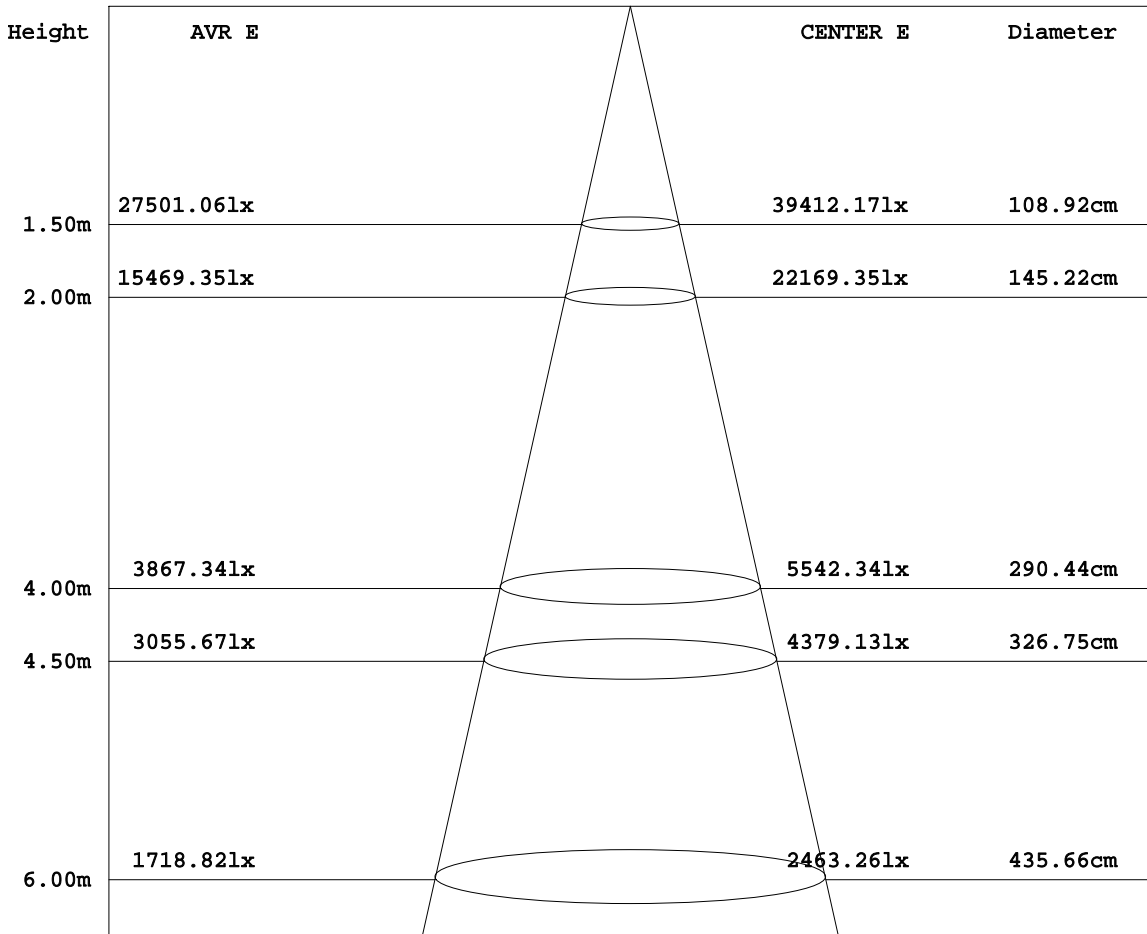
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# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-240W-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%  
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 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-240W-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	8642	8644	8724	8531	8235	8476	8364	8640	0- 5	2079	2079
10.0	7763	7855	8045	7679	7310	7654	7433	7891	5- 10	5808	7887
15.0	6849	6534	6748	6170	6122	6361	5874	6510	10- 15	8379	16266
20.0	5251	4747	4974	4236	4106	4314	3624	4415	15- 20	8968	25234
25.0	2913	2538	2877	2108	1917	2083	1703	2235	20- 25	6885	32119
30.0	1005	848.1	1003	686.4	512.1	624.6	378.4	640.0	25- 30	3537	35656
35.0	274.9	262.5	263.2	246.1	182.1	225.9	183.4	267.6	30- 35	1250	36906
40.0	158.5	155.0	149.1	156.7	135.5	152.6	133.9	178.6	35- 40	620.1	37526
45.0	124.4	127.8	117.5	132.9	103.5	128.5	108.1	140.5	40- 45	504.6	38030
50.0	99.80	110.7	99.88	117.8	95.73	112.4	98.74	119.9	45- 50	461.6	38492
55.0	95.09	95.14	92.76	96.05	88.97	91.44	89.16	101.0	50- 55	435.5	38928
60.0	84.35	78.82	82.86	77.83	73.92	76.73	75.75	82.73	55- 60	398.8	39326
65.0	69.07	63.00	69.93	63.01	58.69	62.22	61.46	65.86	60- 65	345.6	39672
70.0	53.15	50.74	56.83	50.55	44.14	49.50	48.21	54.08	65- 70	286.5	39959
75.0	37.50	41.08	44.32	40.85	29.82	39.56	36.79	43.91	70- 75	230.5	40189
80.0	24.42	30.95	30.08	29.32	18.75	29.11	24.53	32.51	75- 80	174.4	40364
85.0	13.46	16.59	17.74	15.17	9.117	15.99	15.33	18.07	80- 85	111.8	40475
90.0	6.294	5.491	7.004	4.781	3.379	6.061	3.062	6.110	85- 90	53.86	40529
95.0	3.441	2.822	4.195	2.714	2.757	1.824	0.720	2.109	90- 95	19.10	40548
100.0	2.875	2.272	3.743	2.213	2.079	1.319	0.986	1.323	95-100	11.64	40560
105.0	2.089	2.043	3.585	1.964	1.509	1.306	2.479	1.594	100-105	10.34	40570
110.0	1.483	1.820	3.448	1.768	1.260	1.044	2.115	1.041	105-110	9.524	40580
115.0	1.319	1.650	3.219	1.647	1.237	1.827	1.552	1.493	110-115	8.135	40588
120.0	1.329	1.594	3.828	1.653	1.437	2.092	2.164	2.197	115-120	8.292	40596
125.0	1.634	1.892	3.009	2.023	1.981	2.295	3.107	2.436	120-125	9.338	40606
130.0	2.436	2.780	3.553	3.016	3.238	3.229	4.391	3.127	125-130	11.61	40617
135.0	4.041	4.496	4.958	4.764	5.288	4.961	6.114	4.601	130-135	16.05	40633
140.0	6.336	6.811	6.710	7.129	7.790	7.506	8.291	6.877	135-140	21.96	40655
145.0	9.015	9.785	8.966	10.13	10.83	10.27	11.21	9.523	140-145	28.22	40684
150.0	12.26	12.88	12.01	13.15	13.89	13.23	14.12	12.48	145-150	33.77	40717
155.0	15.24	15.42	14.86	15.67	16.48	15.74	16.49	15.03	150-155	36.01	40753
160.0	17.52	17.51	17.26	17.63	18.49	17.63	18.45	16.94	155-160	34.83	40788
165.0	19.29	19.15	18.95	19.00	20.11	19.22	19.94	18.51	160-165	30.33	40819
170.0	20.69	20.37	20.12	19.89	21.53	20.47	21.09	19.72	165-170	23.42	40842
175.0	21.93	21.28	21.12	20.55	22.47	21.27	21.70	20.48	170-175	14.81	40857
180.0	22.52	21.68	21.62	20.82	22.68	21.59	21.81	20.78	175-180	5.074	40862
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm		

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
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Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

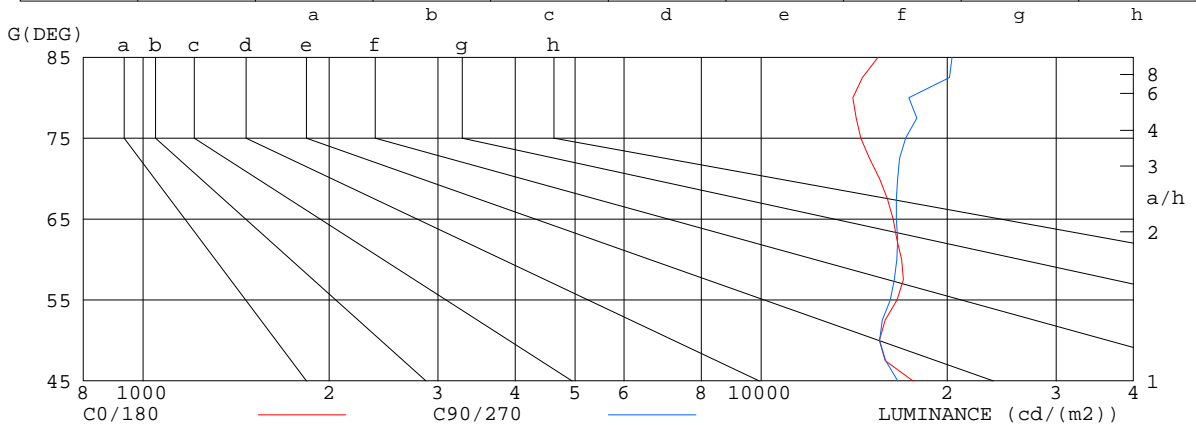
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-240W-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(DEG)	C0/180	C90/270
85	15447	20354
80	14065	17326
75	14490	17127
70	15540	16617
65	16343	16547
60	16871	16574
55	16579	16173
50	15527	15540
45	17600	16631

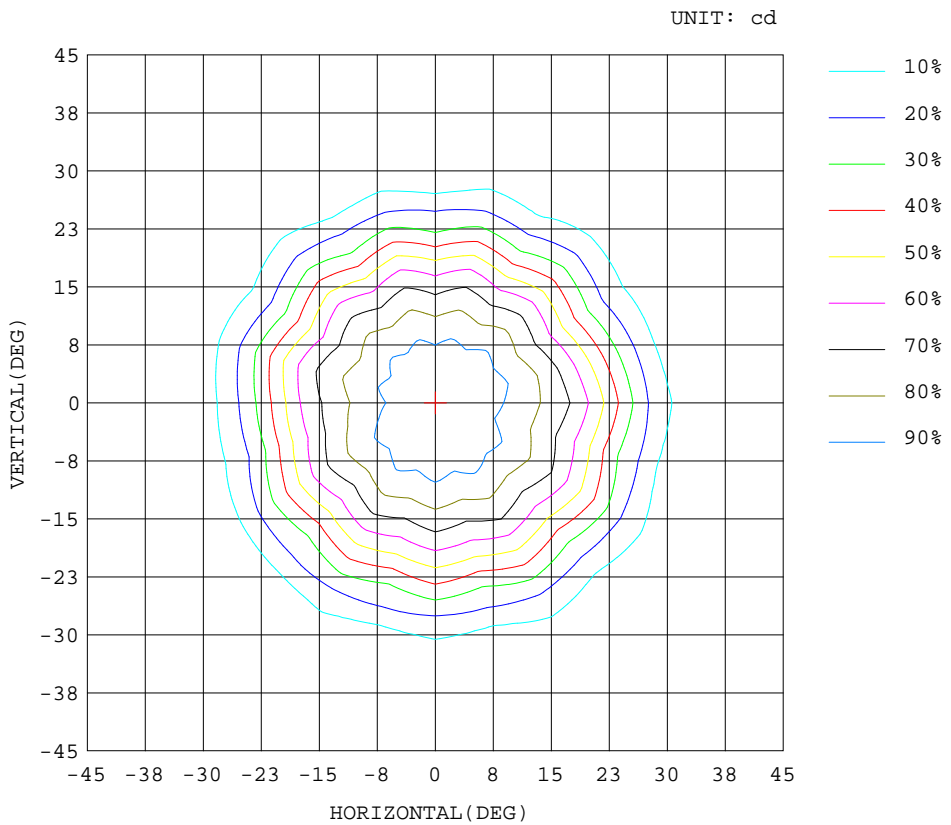
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## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-240W-LV (50K)PLUS 40	TYPE:	WEIGHT:
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
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