

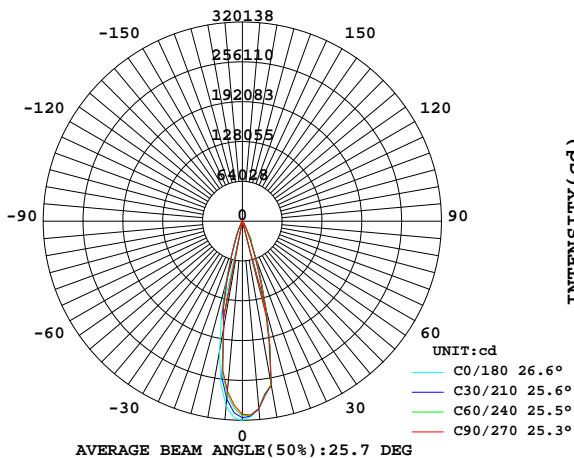
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

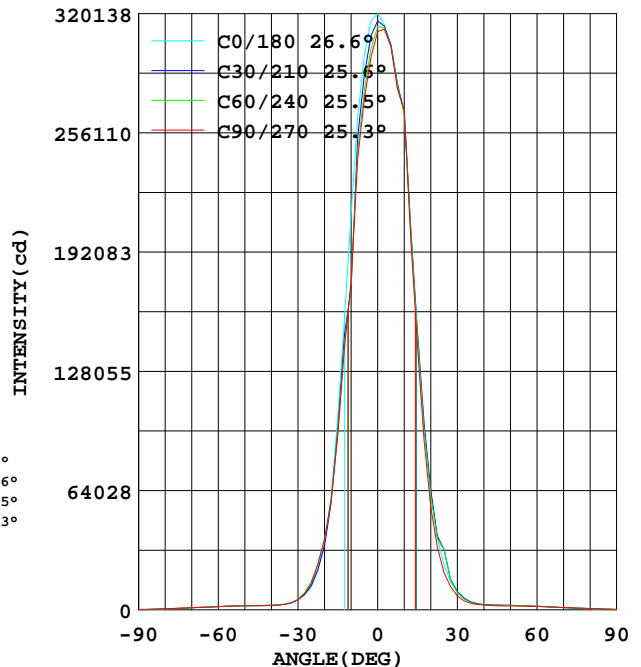
MANUFACTURER:	Address:		
NAME: LSHM-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:	
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	320138	S/MH(C0/180)	0.40
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.38
NOMINAL POWER(W)	480	TOTAL FLUX(lm)	78048	Voltage(V)	219.6
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	163.6	Current(A)	2.238
NOMINAL FLUX(lm)	78047.7	$\eta$ up(%)	0.0	Power(W)	477.2
LAMPS QUANTITY	1	$\eta$ down(%)	100.0	Power Factor(PF)	0.985
TEST VOLTAGE(V)	219.7	Effective Flux(lm)	62532.2	EI	0.104

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:01-09-2020

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-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:

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Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:01-09-2020

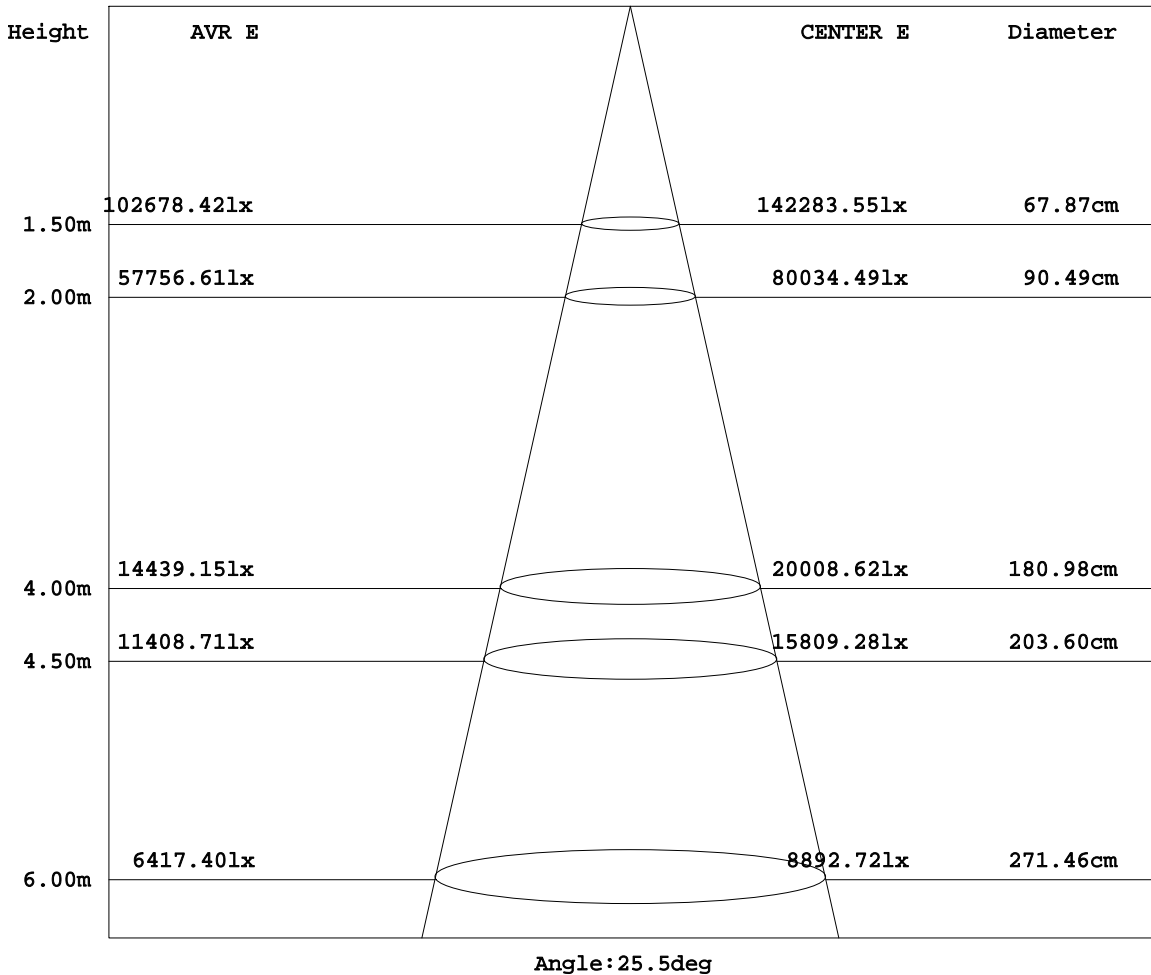
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:01-09-2020

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 Humidity:65.0%  
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 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	One	total
5.0	2981	2823	2745	2758	3025	3035	3024	3030	0- 5	7216	7216
10.0	2125	1975	1766	2022	2679	2520	2683	2405	5- 10	18518	25734
15.0	1037	950.5	941.3	1105	1444	1504	1411	1354	10- 15	19846	45580
20.0	356.6	362.5	379.4	494.1	628.9	646.0	551.1	556.9	15- 20	13310	58890
25.0	123.5	143.3	143.3	216.2	239.7	264.1	199.2	215.8	20- 25	6830	65720
30.0	53.62	57.00	54.95	89.70	91.05	104.7	74.74	86.45	25- 30	3202	68922
35.0	30.81	30.01	30.05	42.60	42.11	44.33	35.59	40.68	30- 35	1546	70468
40.0	23.61	25.51	24.24	30.94	28.42	28.86	25.84	27.43	35- 40	1019	71487
45.0	21.32	24.33	22.51	28.18	24.49	26.53	21.64	24.32	40- 45	929.2	72416
50.0	20.51	23.19	22.10	25.83	23.10	25.38	20.75	23.06	45- 50	946.7	73363
55.0	19.04	21.10	20.24	22.42	21.53	23.12	20.07	21.17	50- 55	955.1	74318
60.0	16.86	18.00	17.62	18.81	18.63	19.88	18.16	18.61	55- 60	906.8	75225
65.0	13.89	14.76	14.45	15.21	15.33	16.67	15.56	15.68	60- 65	808.9	76034
70.0	10.85	11.66	11.55	11.94	11.91	13.13	12.61	12.38	65- 70	678.8	76713
75.0	7.593	8.426	8.829	8.709	8.437	9.599	9.885	9.286	70- 75	535.9	77249
80.0	4.560	5.462	6.263	5.742	5.471	6.886	7.429	6.810	75- 80	395.2	77644
85.0	1.450	3.126	4.097	3.338	2.883	4.438	4.910	4.347	80- 85	261.9	77906
90.0	0.777	1.636	2.756	1.692	0.775	1.941	2.850	1.885	85- 90	141.7	78048
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×100cd								UNIT:lm		

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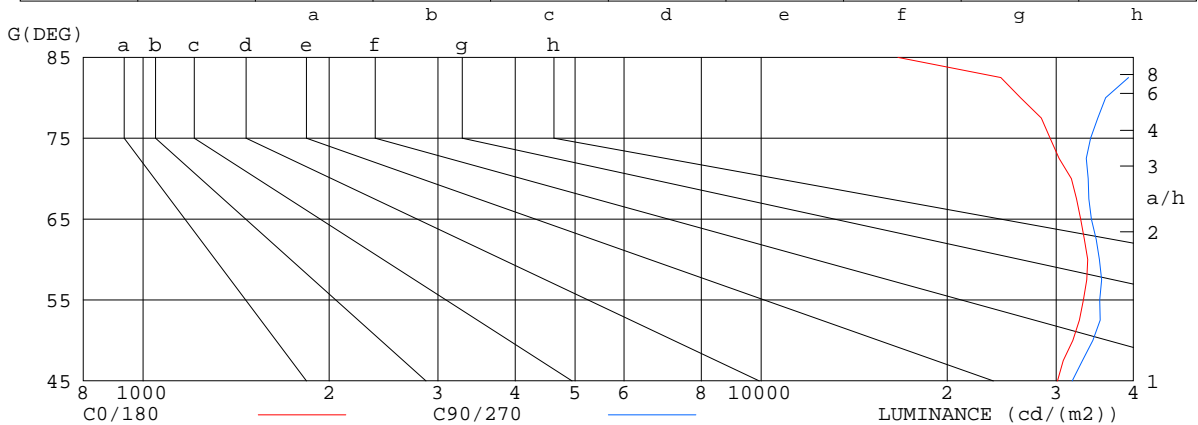
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	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	16638	47015
80	26264	36072
75	29340	34113
70	31744	33797
65	32874	34199
60	33738	35243
55	33195	35294
50	31915	34396
45	30155	31842

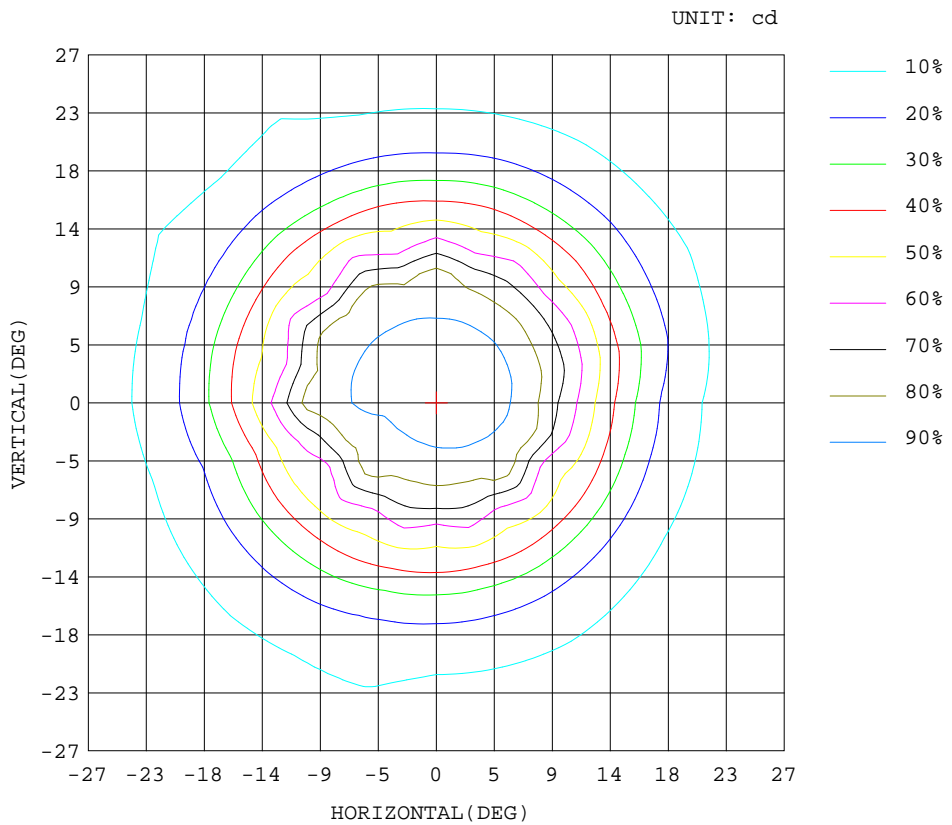
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 Temperature:25.3DEG  
 Operators:  
 Test Date:01-09-2020

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-480W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:01-09-2020

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