

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

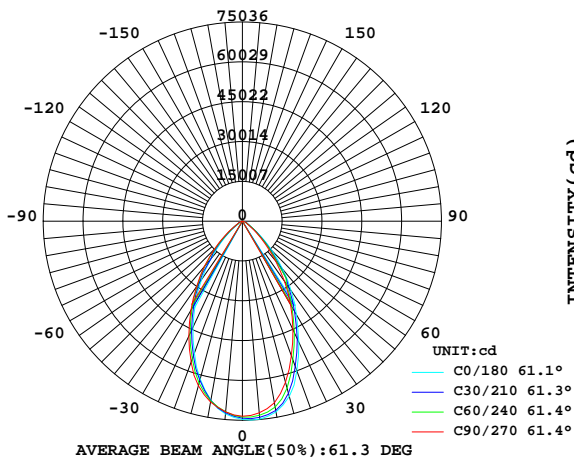
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

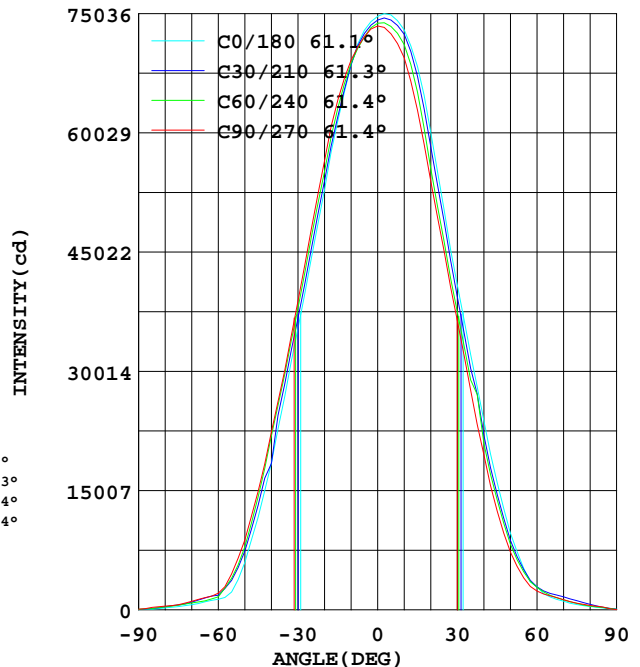
MANUFACTURER:	Address:		
NAME: LSHM-480W-LV (50K)PLUS 60	TYPE:	WEIGHT:	
SPECIFICATION:5000K 60	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	75036	S/MH(C0/180)	0.85
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.92
NOMINAL POWER(W)	480	TOTAL FLUX(lm)	81320	Voltage(V)	219.8
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	170.0	Current(A)	2.242
NOMINAL FLUX(lm)	81320.0	$\eta$ up(%)	0.0	Power(W)	478.3
LAMPS QUANTITY	1	$\eta$ down(%)	100.0	Power Factor(PF)	0.988
TEST VOLTAGE(V)	219.8	Effective Flux(lm)	75255.1	EI	0.087

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-21-2020

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 60	TYPE:	WEIGHT:
SPECIFICATION:5000K 60	DIMENSION:	SERIAL No.:

---

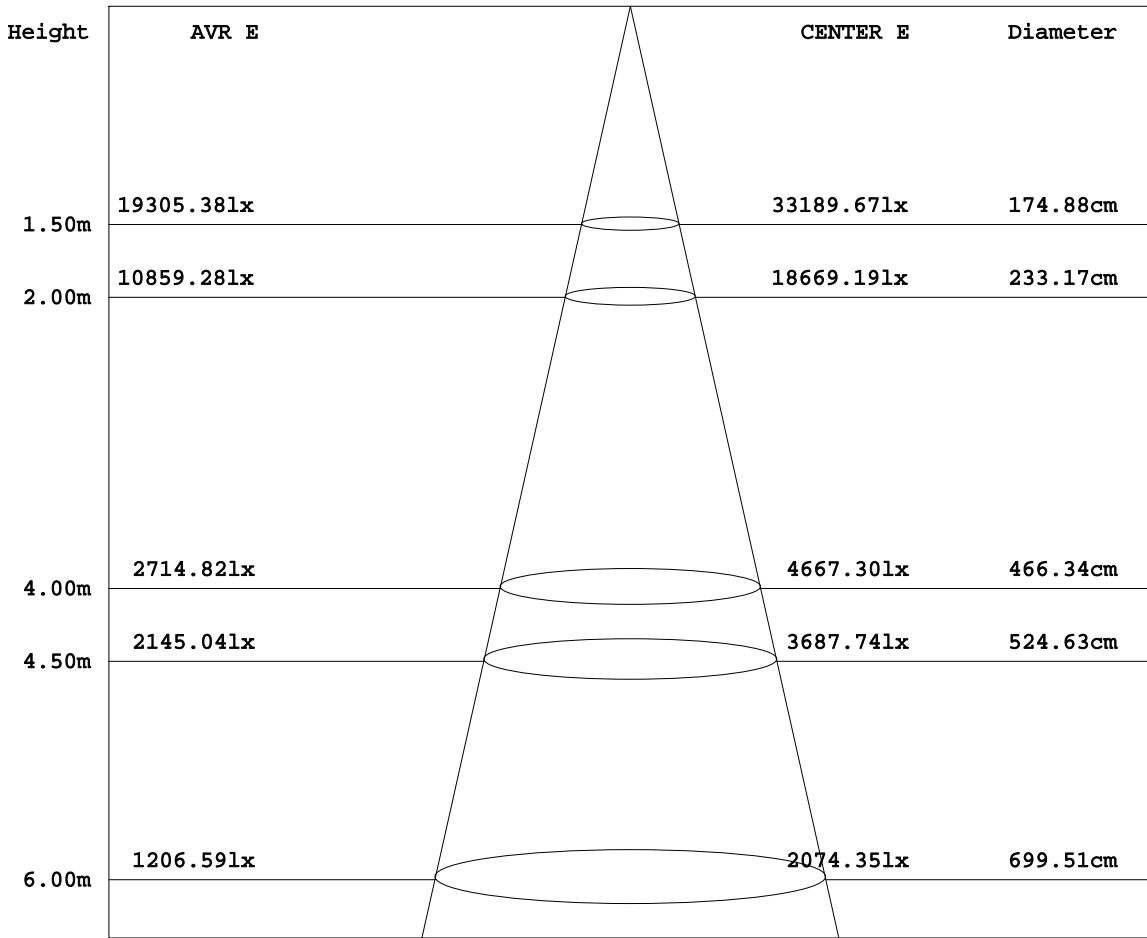
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-21-2020

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-480W-LV (50K)PLUS 60	TYPE:	WEIGHT:
SPECIFICATION:5000K 60	DIMENSION:	SERIAL No.:



Angle:60.5deg

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-21-2020

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-480W-LV (50K)PLUS 60	TYPE:	WEIGHT:
SPECIFICATION:5000K 60	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	one	total
5.0	7294	7238	7212	7258	7486	7386	7249	7147	0- 5	1748	1748
10.0	6859	6870	6918	7027	7298	7177	6946	6792	5- 10	5092	6841
15.0	6153	6248	6416	6543	6837	6636	6286	6135	10- 15	7931	14772
20.0	5291	5468	5652	5729	6004	5695	5393	5238	15- 20	9840	24612
25.0	4420	4612	4789	4799	5036	4726	4518	4349	20- 25	10668	35280
30.0	3541	3735	3886	3891	4085	3841	3636	3516	25- 30	10596	45876
35.0	2682	2932	3011	3081	3215	2957	2765	2680	30- 35	9791	55667
40.0	1851	2116	2243	2262	2380	2119	1949	1852	35- 40	8366	64033
45.0	1167	1398	1493	1557	1601	1407	1244	1200	40- 45	6360	70394
50.0	598.1	793.1	880.3	942.0	964.1	847.0	725.7	651.2	45- 50	4347	74741
55.0	225.1	380.6	452.0	492.4	520.6	484.4	401.3	313.0	50- 55	2594	77335
60.0	134.2	199.7	210.2	234.8	293.5	293.9	236.4	181.7	55- 60	1419	78755
65.0	101.6	129.8	153.9	148.4	162.6	191.9	175.9	135.3	60- 65	881.7	79636
70.0	66.41	94.96	107.5	120.0	109.5	154.9	128.0	95.33	65- 70	655.2	80292
75.0	41.37	64.30	65.84	88.55	68.20	104.6	83.49	65.38	70- 75	471.0	80763
80.0	25.04	38.92	46.72	54.70	42.42	62.92	56.02	41.28	75- 80	306.9	81070
85.0	9.832	17.50	31.30	29.39	22.41	32.42	35.19	14.42	80- 85	176.7	81247
90.0	3.903	5.113	8.608	8.802	7.508	9.709	2.945	3.482	85- 90	73.44	81320
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:×10cd								UNIT:lm		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-21-2020

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

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

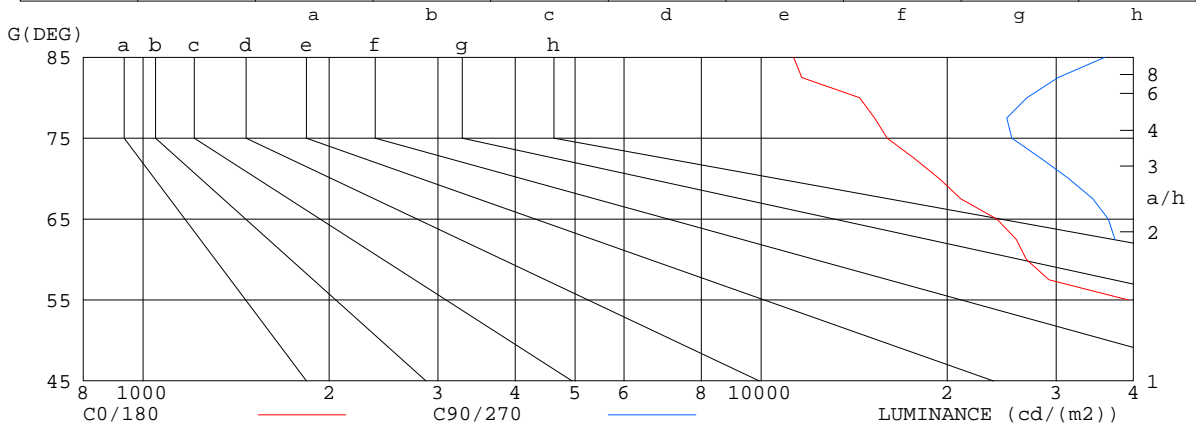
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-480W-LV (50K)PLUS 60	TYPE:	WEIGHT:
SPECIFICATION:5000K 60	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	11281	35923
80	14422	26909
75	15986	25441
70	19419	31450
65	24064	36429
60	26854	42051
55	39261	78810
50	93061	136953
45	164985	211095

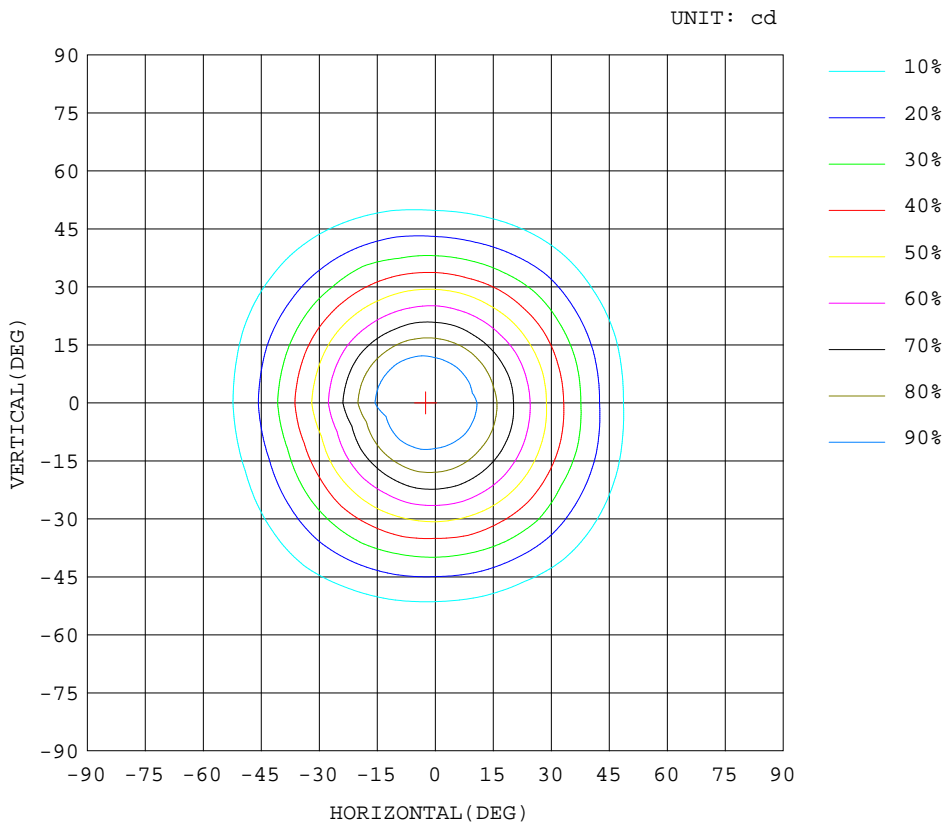
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:03-21-2020

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 60	TYPE:	WEIGHT:
SPECIFICATION:5000K 60	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:03-21-2020

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