

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

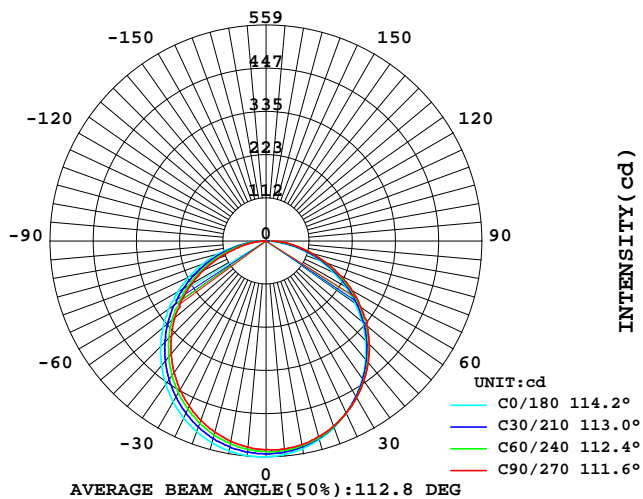
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

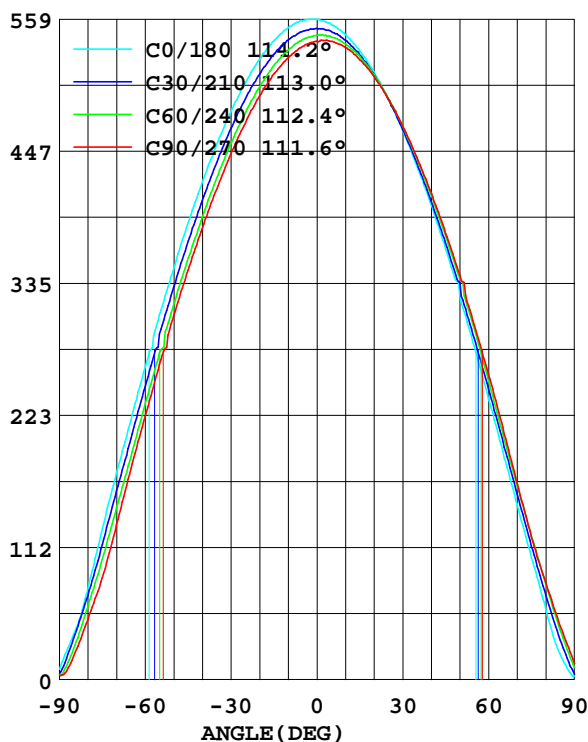
<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME: MSC225-18W-WH</b>	<b>TYPE:</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>	

DATA OF LAMP		I <sub>max</sub> (cd)	558.6	S/MH(C0/180)	1.28
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.23
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1575.6	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	92.3	Current(A)	0.137
NOMINAL FLUX(lm)	1575.7	η up(%)	0.0	Power(W)	17.07
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.562
TEST VOLTAGE(V)	220.5	Effective Flux(lm)	1550.9	EET	0.150

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月14日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.400 m  
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: MSC225-18W-WH	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

---

Test System:HOPOO HPG1600  
Temperature:25.3DEG  
Operators:  
Test Date:2020年07月14日

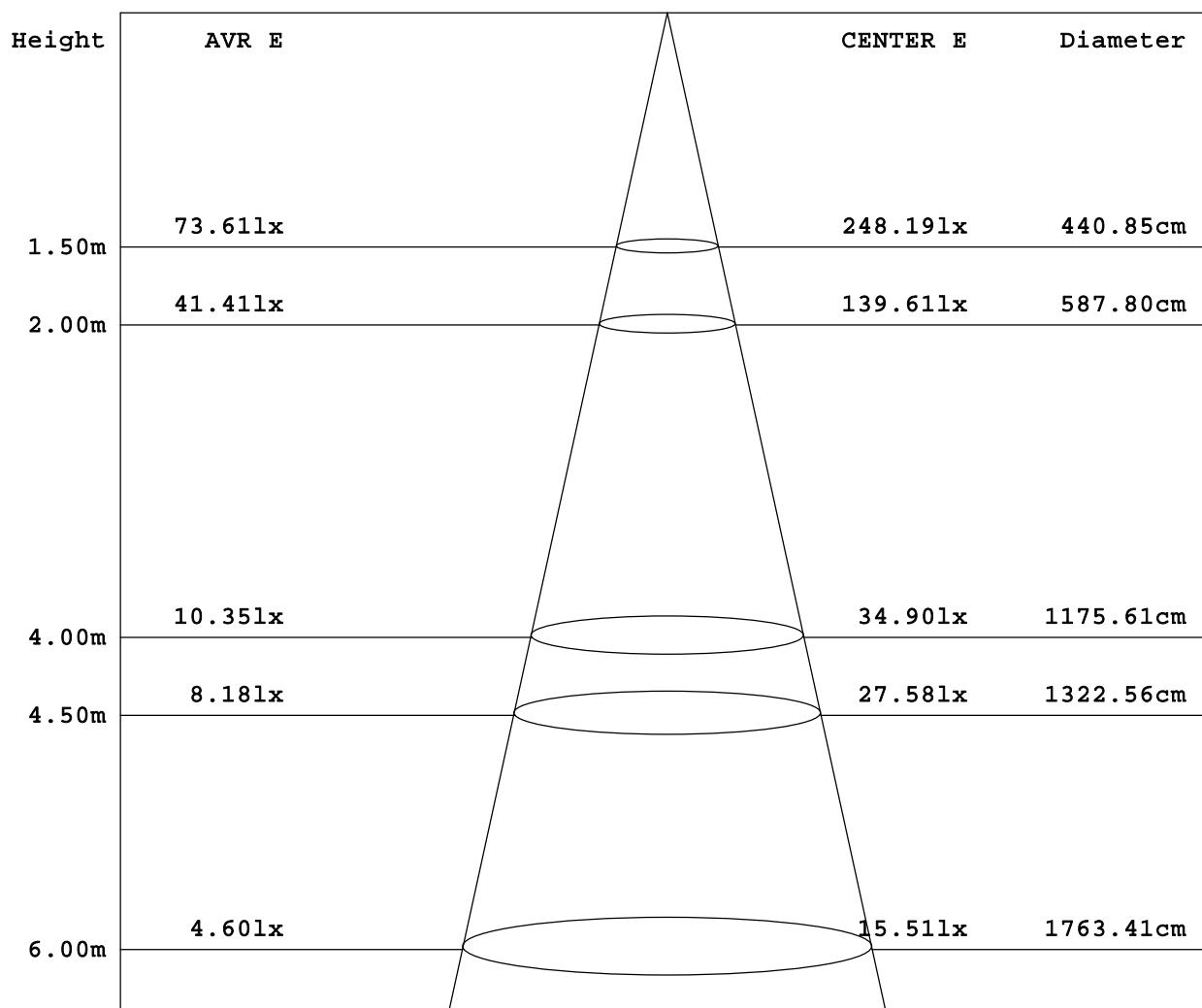
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.400 m  
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: MSC225-18W-WH	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:111.5deg

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月14日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.400 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		Address:	
NAME: MSC225-18W-WH		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	557.0	544.1	535.3	529.1	554.1	546.6	539.8	534.7	0- 5	12.94	12.94
10.0	551.3	535.0	526.0	518.9	545.5	540.0	534.6	529.9	5- 10	38.38	51.32
15.0	540.4	521.9	512.4	504.6	531.6	529.5	524.2	520.6	10- 15	62.50	113.8
20.0	524.6	504.4	493.7	486.3	513.8	513.5	510.1	507.3	15- 20	84.49	198.3
25.0	504.9	481.6	470.8	463.3	490.7	493.8	491.2	488.9	20- 25	103.6	301.9
30.0	480.4	456.8	444.9	436.8	464.5	469.6	467.9	466.1	25- 30	119.2	421.2
35.0	452.8	426.5	414.7	406.2	434.4	442.3	441.5	441.0	30- 35	130.9	552.1
40.0	420.6	393.2	381.6	373.3	400.8	411.1	411.5	411.5	35- 40	138.3	690.5
45.0	386.6	357.9	346.4	338.3	364.0	376.8	377.4	378.5	40- 45	141.2	831.7
50.0	347.9	317.1	308.0	297.1	323.7	339.7	341.8	344.0	45- 50	139.5	971.2
55.0	308.4	275.9	266.6	255.9	281.6	299.3	300.0	305.5	50- 55	132.8	1104
60.0	264.4	233.6	222.5	214.4	237.4	256.0	257.8	263.4	55- 60	121.8	1226
65.0	219.1	189.0	178.0	171.0	193.3	213.5	213.6	222.2	60- 65	107.1	1333
70.0	175.1	144.6	131.4	127.4	147.8	168.7	166.2	178.7	65- 70	88.99	1422
75.0	127.4	102.2	86.41	86.41	103.4	123.9	120.5	134.6	70- 75	68.55	1491
80.0	76.90	61.54	50.72	48.45	60.02	82.63	82.30	93.55	75- 80	47.50	1538
85.0	38.39	25.41	19.79	15.25	21.52	43.04	45.42	53.32	80- 85	27.23	1565
90.0	8.869	1.514	3.569	1.297	3.028	10.49	13.41	18.60	85- 90	10.27	1576
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:cd									UNIT:lm	

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月14日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.400 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

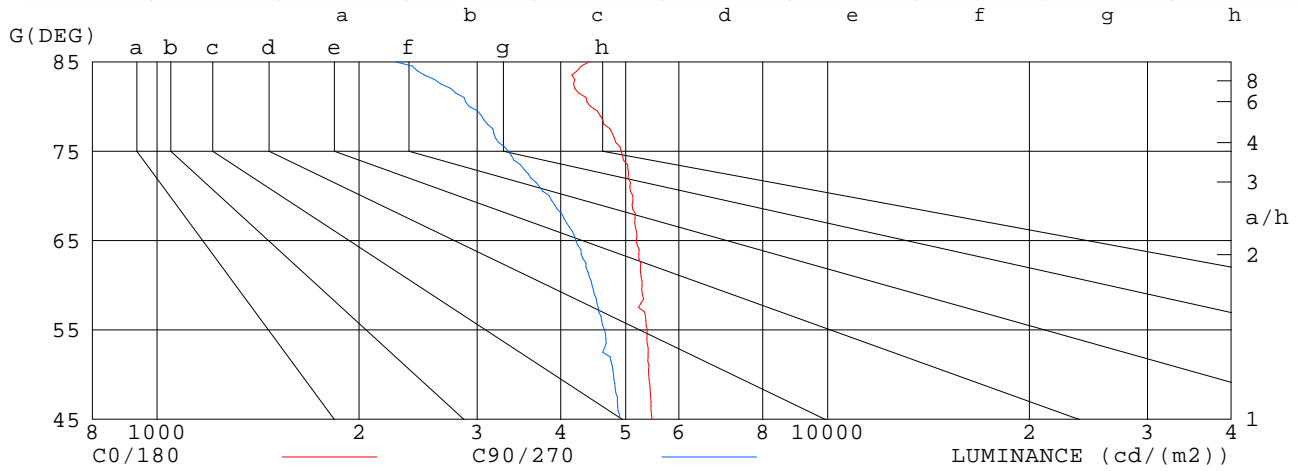
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		Address:	
NAME: MSC225-18W-WH		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
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	4406	2271
80	4429	2921
75	4923	3339
70	5120	3842
65	5185	4213
60	5289	4452
55	5378	4648
50	5413	4792
45	5468	4899

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月14日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.400 m  
 Remarks: