

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642688

Luminaire Tested: GWS-SA6D-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21886.7 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

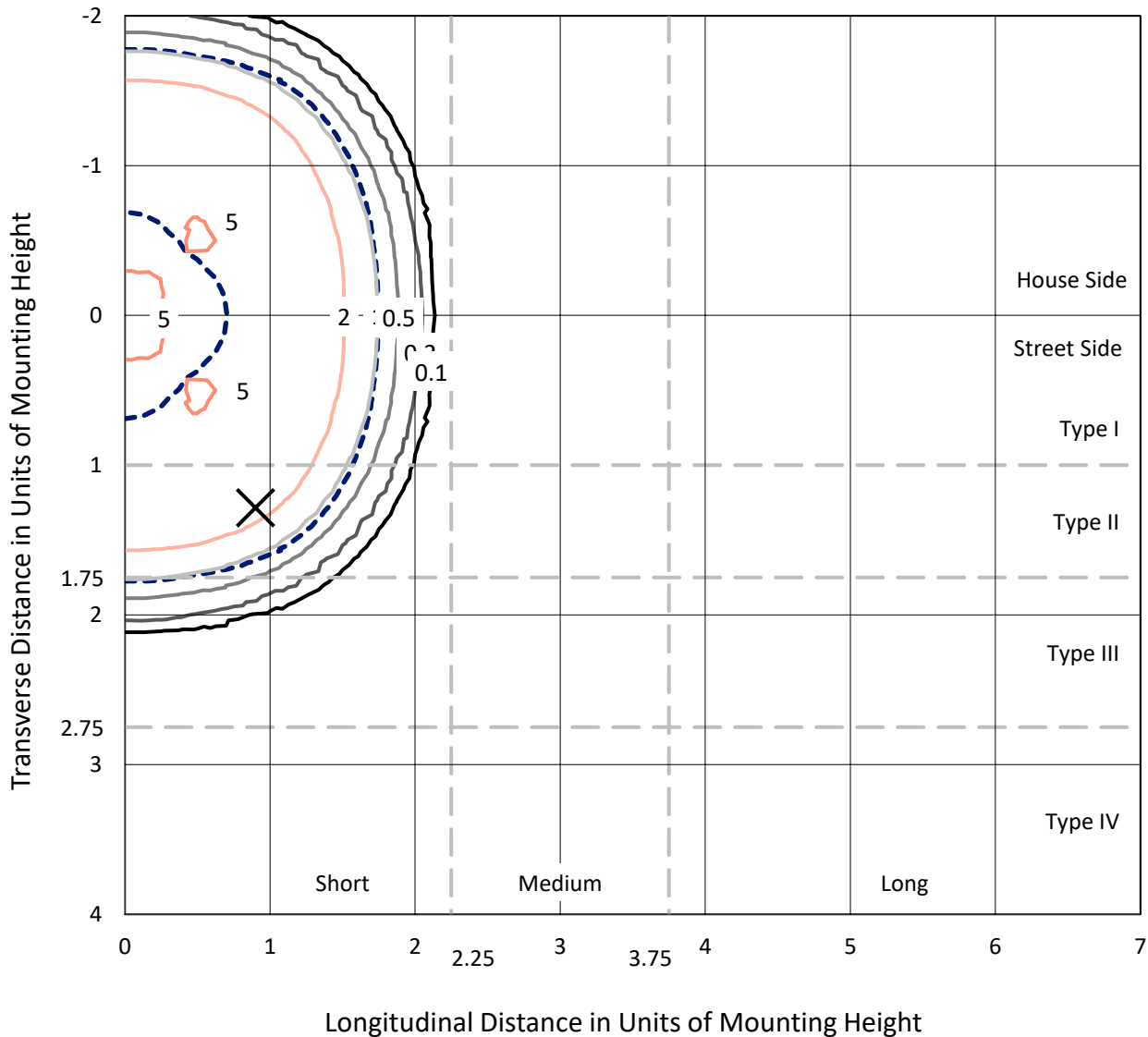


REPORT NUMBER: P642688

CATALOG NUMBER: GWS-SA6D-740-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

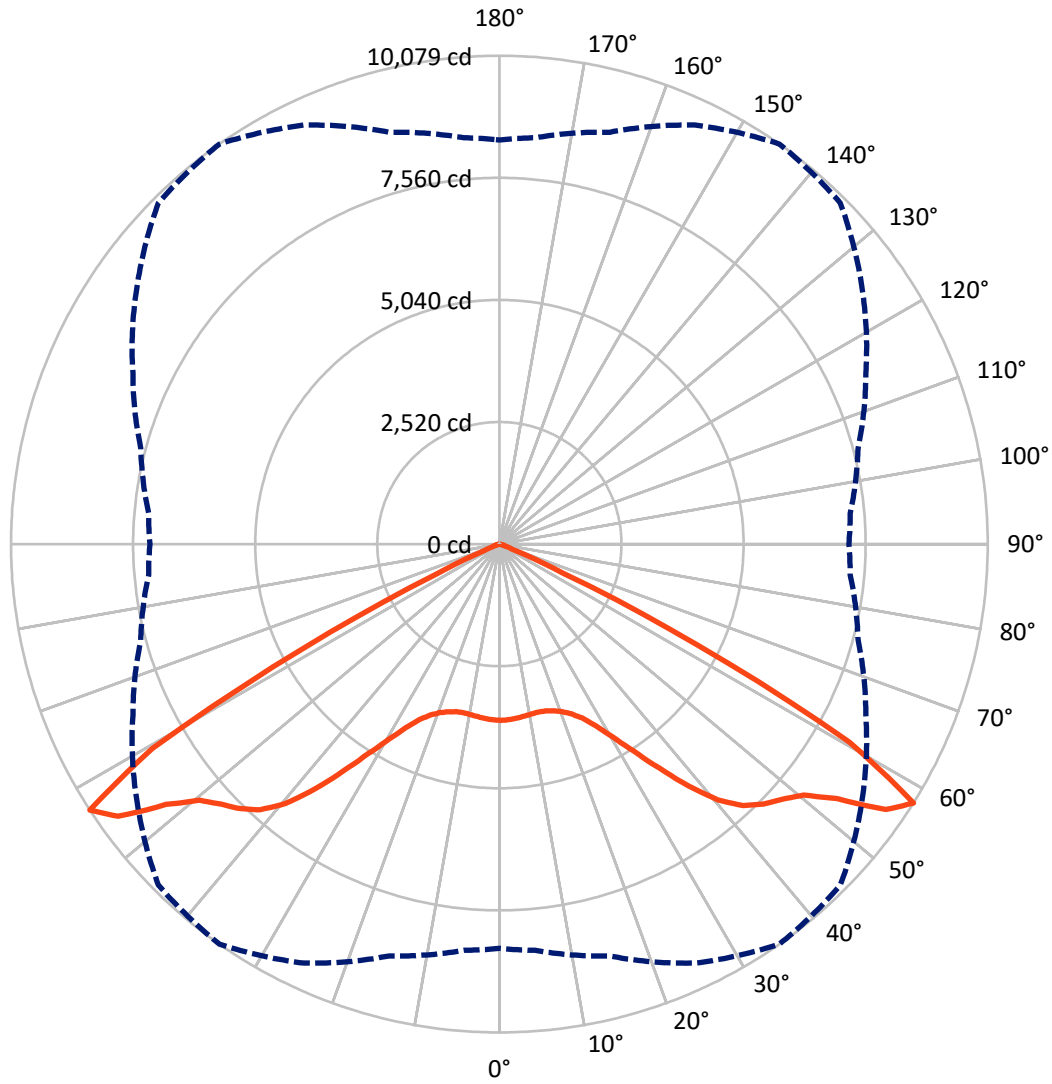
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P642688
CATALOG NUMBER: GWS-SA6D-740-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642688

CATALOG NUMBER: GWS-SA6D-740-U-5MQ-W-GRSBK

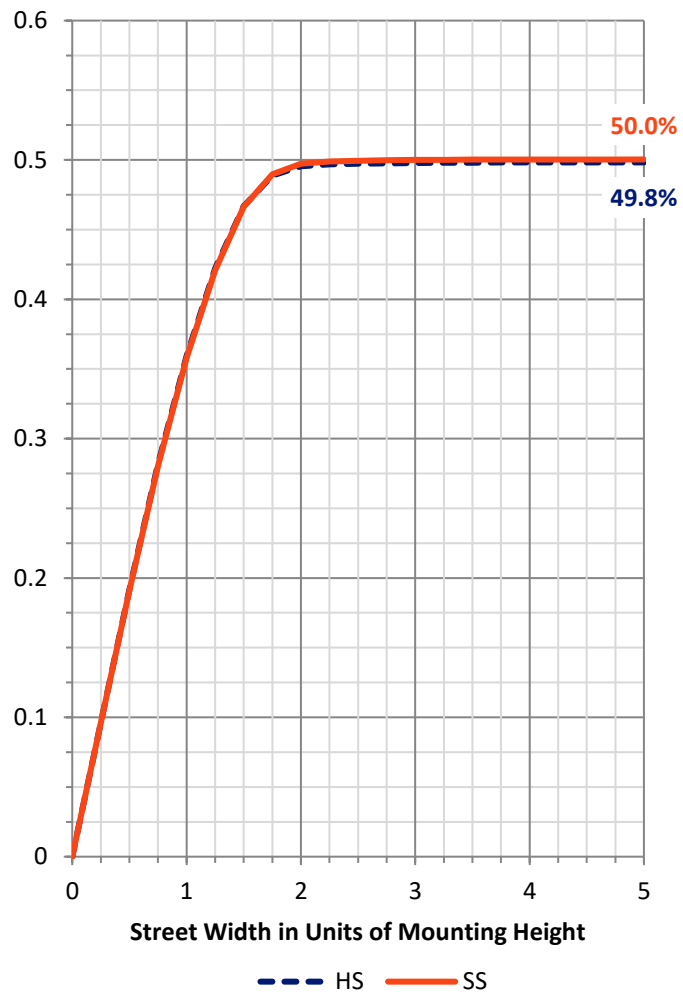
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10943.4	0.0	10943.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10943.4	0.0	10943.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21886.7	0.0	21886.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.8	1.6
10°-20°	1008.5	4.6
20°-30°	1822.9	8.3
30°-40°	3400.8	15.5
40°-50°	5704.8	26.1
50°-60°	7533.8	34.4
60°-70°	2000.8	9.1
70°-80°	71.1	0.3
80°-90°	1.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21886.7	100.0
0°-180°	21886.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642688

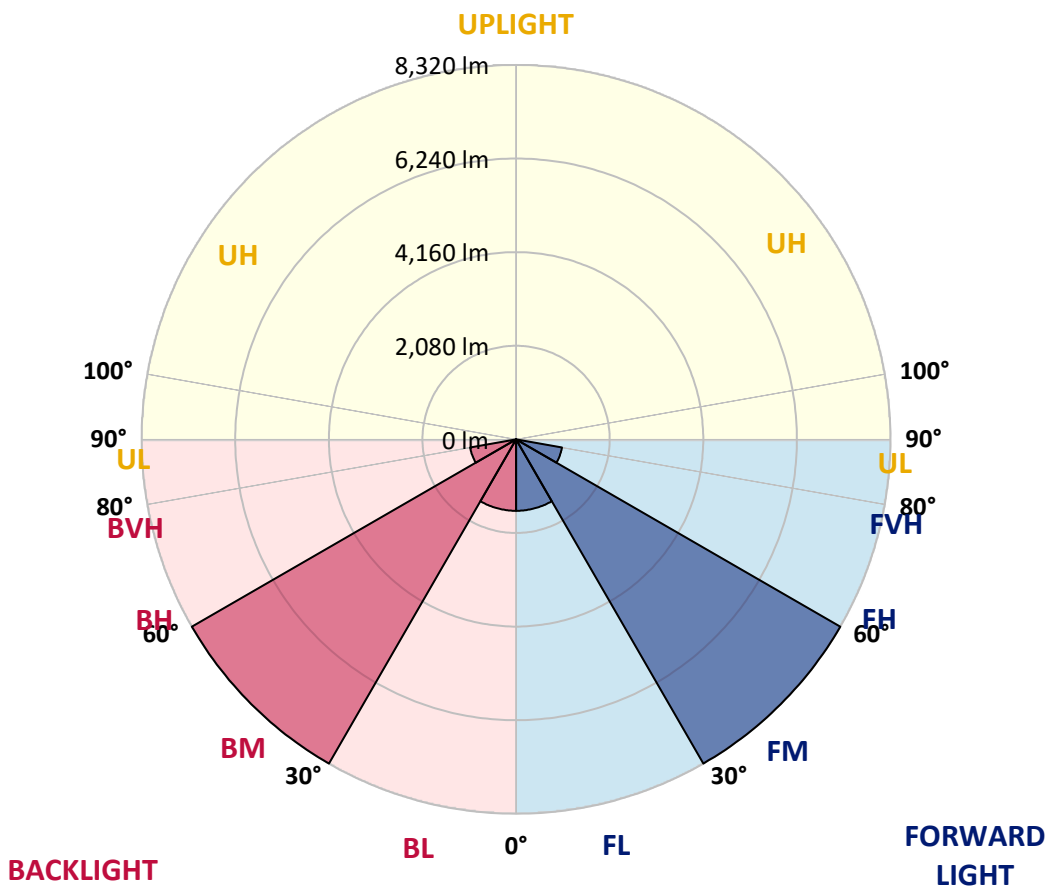
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.1	7.3			
FM (30°-60°)	8319.7	38.0			
FH (60°-80°)	1035.9	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1587.1	7.3	B3/2500		
BM (30°-60°)	8319.7	38.0	B4/8500		
BH (60°-80°)	1035.9	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P642688

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9
2.5°	3613.2	3610.6	3620.9	3628.6	3628.6	3646.6	3641.4	3636.3	3631.2	3623.5	3641.4
5°	3608.0	3605.5	3613.2	3618.3	3613.2	3628.6	3618.3	3608.0	3602.9	3592.6	3613.2
7.5°	3584.9	3587.5	3592.6	3597.8	3590.1	3602.9	3590.1	3574.7	3561.8	3551.5	3569.5
10°	3549.0	3551.5	3556.7	3567.0	3569.5	3587.5	3569.5	3541.3	3523.3	3507.9	3525.9
12.5°	3531.0	3533.6	3541.3	3554.1	3556.7	3579.8	3556.7	3515.6	3489.9	3471.9	3489.9
15°	3536.1	3541.3	3551.5	3567.0	3572.1	3595.2	3564.4	3510.5	3474.5	3451.4	3466.8
17.5°	3554.1	3559.3	3574.7	3600.3	3618.3	3641.4	3602.9	3533.6	3484.8	3451.4	3466.8
20°	3577.2	3584.9	3610.6	3651.7	3690.2	3731.3	3682.5	3587.5	3523.3	3482.2	3495.1
22.5°	3641.4	3649.1	3685.1	3739.0	3803.2	3854.6	3795.5	3674.8	3587.5	3533.6	3546.4
25°	3772.4	3780.1	3826.3	3895.7	3977.8	4044.6	3970.1	3818.6	3705.6	3644.0	3649.1
27.5°	3977.8	3985.5	4039.5	4137.1	4247.5	4342.5	4234.6	4057.4	3929.0	3857.1	3857.1
30°	4237.2	4247.5	4319.4	4450.4	4622.4	4748.2	4601.9	4386.1	4221.8	4124.2	4126.8
32.5°	4571.0	4560.8	4663.5	4843.3	5087.2	5254.1	5038.4	4776.5	4573.6	4437.5	4450.4
35°	4999.9	4997.3	5112.9	5356.9	5675.3	5875.6	5618.8	5279.8	5035.9	4897.2	4899.8
37.5°	5552.0	5549.5	5683.0	5947.5	6330.1	6497.0	6209.4	5865.3	5603.4	5469.8	5485.3
40°	6199.2	6183.8	6301.9	6556.1	6938.7	7046.6	6733.3	6456.0	6204.3	6119.6	6160.6
42.5°	6815.5	6782.1	6851.4	7082.6	7377.9	7393.3	7157.0	6967.0	6794.9	6728.2	6753.8
45°	7311.1	7285.4	7349.6	7483.2	7652.7	7575.6	7462.6	7403.6	7264.9	7193.0	7216.1
47.5°	7680.9	7680.9	7757.9	7840.1	7865.8	7724.6	7742.5	7742.5	7603.9	7490.9	7462.6
50°	7999.3	8022.4	8138.0	8222.7	8138.0	7958.2	8061.0	8040.4	7757.9	7532.0	7472.9
52.5°	8507.8	8530.9	8708.1	8823.7	8728.6	8551.5	8564.3	8307.5	7891.5	7624.4	7532.0
55°	9047.1	9103.6	9360.4	9668.5	9671.1	9488.8	9149.8	8695.3	8189.4	7899.2	7804.2
57.5°	8340.9	8417.9	8800.5	9542.7	10079.4	9953.6	9144.7	8346.0	7662.9	7267.4	7213.5
60°	5739.5	5873.0	6255.7	7270.0	8304.9	8353.7	7398.4	6502.2	5718.9	5231.0	5241.3
62.5°	2424.2	2560.3	2776.0	3610.6	4560.8	4619.8	4157.6	3515.6	2876.2	2524.3	2578.3
65°	570.1	608.6	672.8	999.0	1448.4	1515.1	1397.0	1088.8	803.8	680.5	693.4
67.5°	249.1	254.2	241.4	256.8	318.4	326.1	315.9	277.3	261.9	267.1	267.1
70°	174.6	177.2	166.9	159.2	151.5	141.2	146.4	161.8	174.6	184.9	182.3
72.5°	107.9	110.4	113.0	113.0	105.3	95.0	100.2	110.4	113.0	115.6	113.0
75°	53.9	56.5	61.6	64.2	61.6	59.1	59.1	61.6	61.6	59.1	59.1
77.5°	10.3	12.8	18.0	20.5	20.5	20.5	20.5	20.5	23.1	20.5	20.5
80°	2.6	2.6	5.1	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1
82.5°	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)