

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: P640764

Luminaire Tested: GWS-SA5E-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33623.3 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 269.6
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

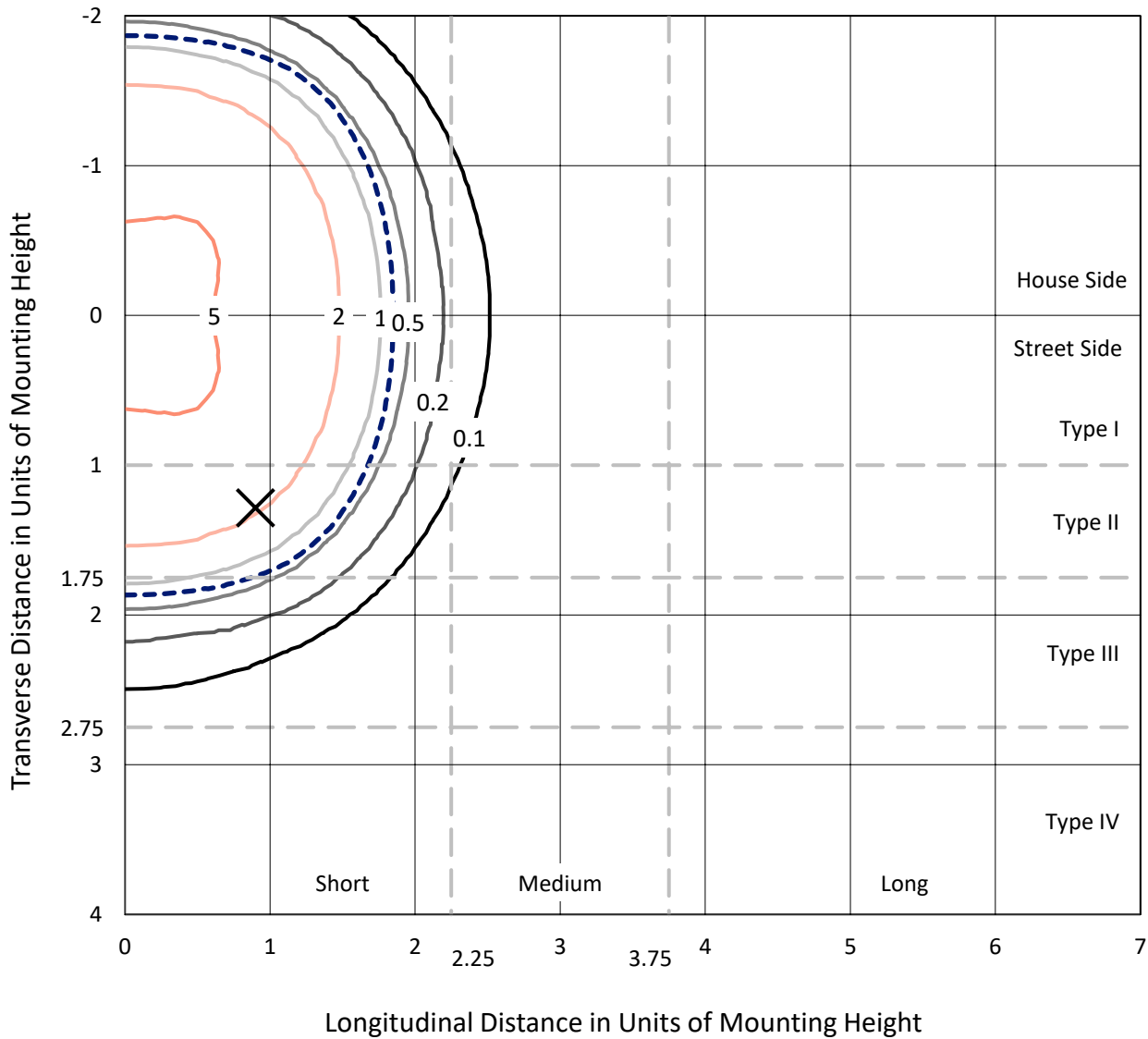


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Iso-Footcandle Lines of Horizontal Illumination

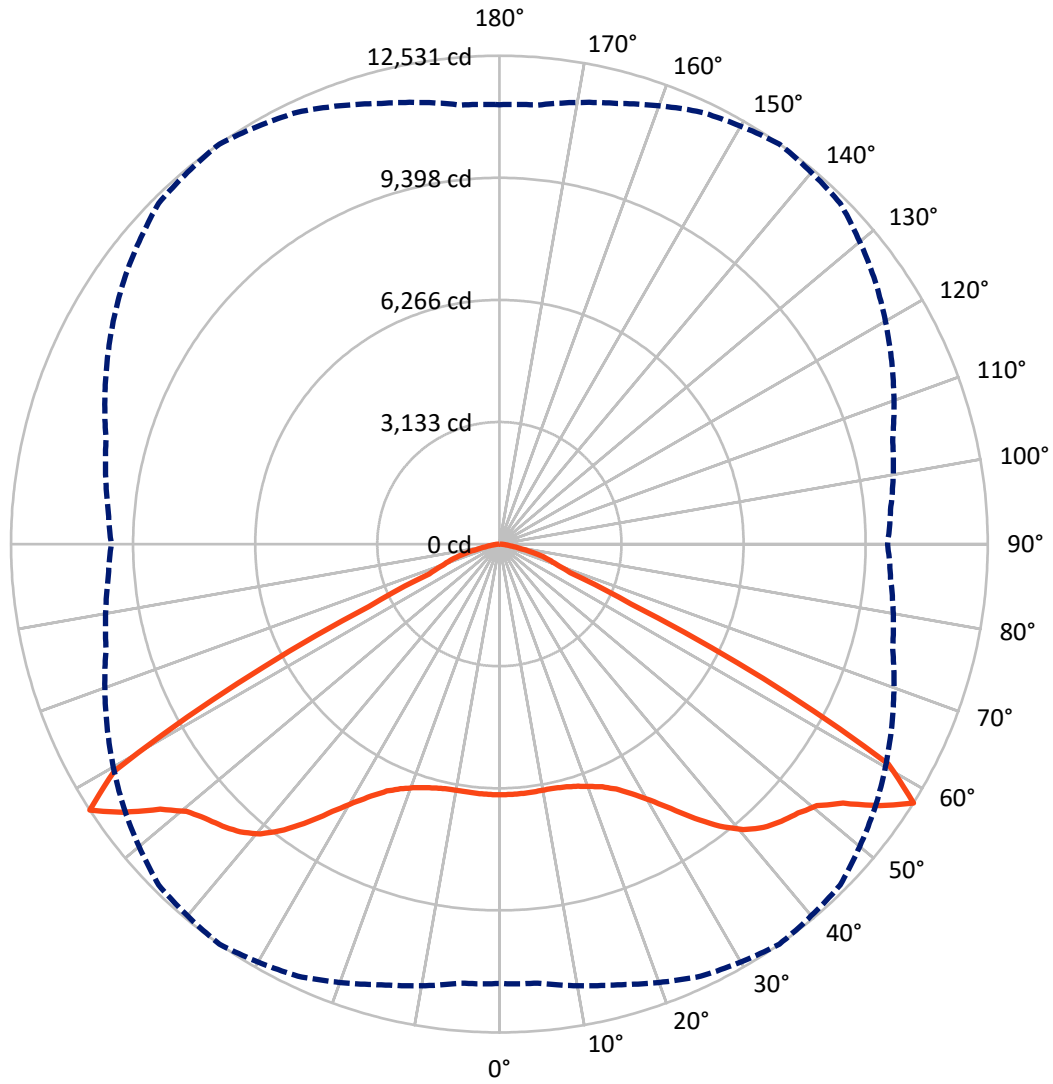
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16811.6	0.0	16811.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16811.6	0.0	16811.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	33623.3	0.0	33623.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.0	1.8
10°-20°	1826.0	5.4
20°-30°	3186.0	9.5
30°-40°	5224.4	15.5
40°-50°	7694.3	22.9
50°-60°	9819.2	29.2
60°-70°	4138.3	12.3
70°-80°	988.5	2.9
80°-90°	134.5	0.4
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°	33623.3	100.0
0°-180°	33623.3	100.0

Coefficient of Utilization



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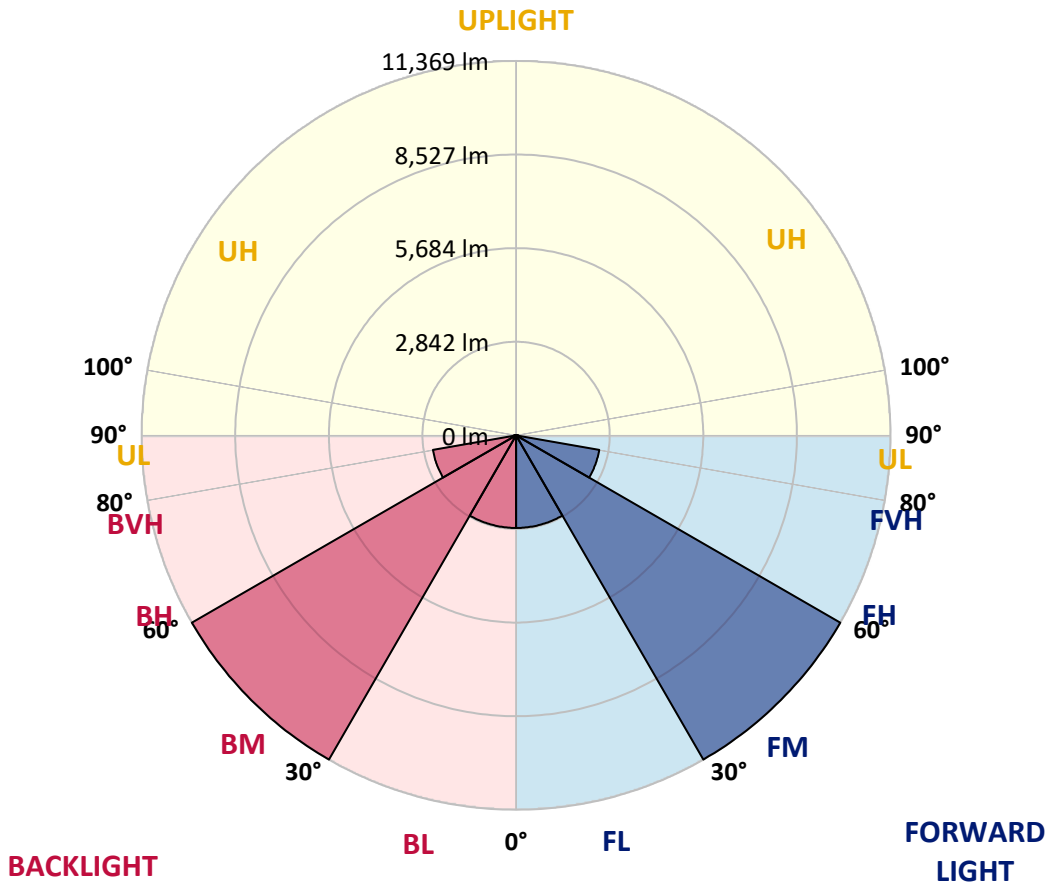
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2812.0	8.4			
FM (30°-60°)	11369.0	33.8			
FH (60°-80°)	2563.4	7.6			G2/5000
FVH (80°-90°)	67.3	0.2			G1/100
BL (0°-30°)	2812.0	8.4	B4/5000		
BM (30°-60°)	11369.0	33.8	B5		
BH (60°-80°)	2563.4	7.6	B4/5000		G2/5000
BVH (80°-90°)	67.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4	6433.4
2.5°	6394.9	6394.9	6408.7	6422.4	6427.9	6452.7	6450.0	6441.7	6436.2	6419.7	6441.7
5°	6408.7	6408.7	6419.7	6427.9	6425.2	6444.4	6436.2	6422.4	6414.2	6397.6	6422.4
7.5°	6405.9	6405.9	6414.2	6422.4	6416.9	6433.4	6419.7	6400.4	6386.6	6370.1	6392.1
10°	6370.1	6375.6	6383.9	6403.2	6411.4	6436.2	6416.9	6386.6	6364.6	6345.3	6367.4
12.5°	6364.6	6370.1	6381.1	6405.9	6419.7	6455.5	6430.7	6381.1	6348.1	6323.3	6345.3
15°	6389.4	6394.9	6411.4	6441.7	6463.7	6502.3	6466.5	6397.6	6350.8	6317.8	6337.1
17.5°	6419.7	6427.9	6452.7	6496.7	6532.5	6573.8	6529.8	6447.2	6381.1	6337.1	6353.6
20°	6452.7	6463.7	6502.3	6568.3	6634.4	6686.7	6631.6	6521.5	6441.7	6383.9	6400.4
22.5°	6510.5	6524.3	6573.8	6667.4	6766.5	6843.6	6774.8	6626.1	6521.5	6447.2	6461.0
25°	6628.9	6645.4	6708.7	6821.6	6962.0	7055.6	6959.2	6791.3	6645.4	6554.6	6568.3
27.5°	6838.1	6846.4	6928.9	7077.6	7251.0	7358.4	7242.8	7044.6	6882.1	6777.5	6788.6
30°	7113.4	7138.2	7220.8	7416.2	7622.7	7765.8	7614.4	7380.4	7193.2	7066.6	7077.6
32.5°	7449.2	7465.8	7589.6	7793.3	8090.7	8255.8	8049.4	7771.3	7545.6	7391.4	7402.4
35°	7889.7	7903.5	8021.8	8280.6	8641.2	8795.4	8558.6	8239.3	7977.8	7831.9	7873.2
37.5°	8415.5	8440.3	8525.6	8781.6	9183.5	9334.9	9062.4	8765.1	8492.6	8357.7	8388.0
40°	8979.8	8977.1	9045.9	9271.6	9637.8	9731.4	9486.4	9249.6	9015.6	8927.5	8977.1
42.5°	9464.3	9450.6	9500.1	9687.3	9940.6	9948.8	9786.4	9654.3	9489.1	9428.5	9475.3
45°	9802.9	9808.4	9882.8	10012.2	10141.5	10072.7	10023.2	10001.1	9871.8	9789.2	9797.4
47.5°	10070.0	10092.0	10210.4	10298.4	10315.0	10199.3	10268.2	10301.2	10193.8	10067.2	10031.4
50°	10306.7	10342.5	10496.7	10590.3	10554.5	10408.6	10543.5	10593.0	10356.3	10114.0	10042.4
52.5°	10736.2	10777.4	10964.6	11085.8	11044.5	10898.6	11025.2	10849.0	10449.9	10152.5	10061.7
55°	11421.6	11440.9	11669.4	11867.6	11848.3	11669.4	11567.5	11176.6	10692.1	10383.8	10298.4
57.5°	11275.7	11308.7	11705.2	12233.7	12531.0	12368.6	11771.2	11105.0	10447.1	10075.5	9959.8
60°	8872.5	8952.3	9445.1	10375.5	11465.7	11462.9	10353.5	9318.4	8525.6	8032.8	7983.3
62.5°	5180.9	5235.9	5684.7	6626.1	7603.4	7664.0	6884.9	6174.7	5480.9	5147.8	4988.2
65°	2452.8	2450.0	2629.0	3052.9	3713.6	3765.9	3531.9	3143.8	2733.6	2620.7	2590.4
67.5°	1811.4	1811.4	1797.6	1827.9	1954.5	1982.1	1954.5	1891.2	1852.7	1877.5	1860.9
70°	1571.9	1574.6	1558.1	1549.9	1549.9	1541.6	1552.6	1577.4	1593.9	1626.9	1610.4
72.5°	1274.6	1277.3	1277.3	1280.1	1282.8	1271.8	1288.3	1302.1	1304.9	1315.9	1304.9
75°	905.7	911.2	927.7	941.5	952.5	952.5	958.0	960.7	949.7	963.5	941.5
77.5°	498.3	503.8	534.1	558.8	583.6	586.4	594.6	600.1	594.6	605.6	589.1
80°	275.3	280.8	294.6	305.6	324.8	341.4	352.4	357.9	357.9	366.1	357.9
82.5°	156.9	162.4	170.7	176.2	192.7	206.5	217.5	225.7	225.7	228.5	223.0
85°	74.3	74.3	79.8	85.3	93.6	99.1	112.9	121.1	121.1	126.6	121.1
87.5°	11.0	13.8	16.5	16.5	22.0	27.5	33.0	35.8	41.3	44.0	44.0
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)