

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: P640709

Luminaire Tested: GWS-SA5E-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640709
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32870.1 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

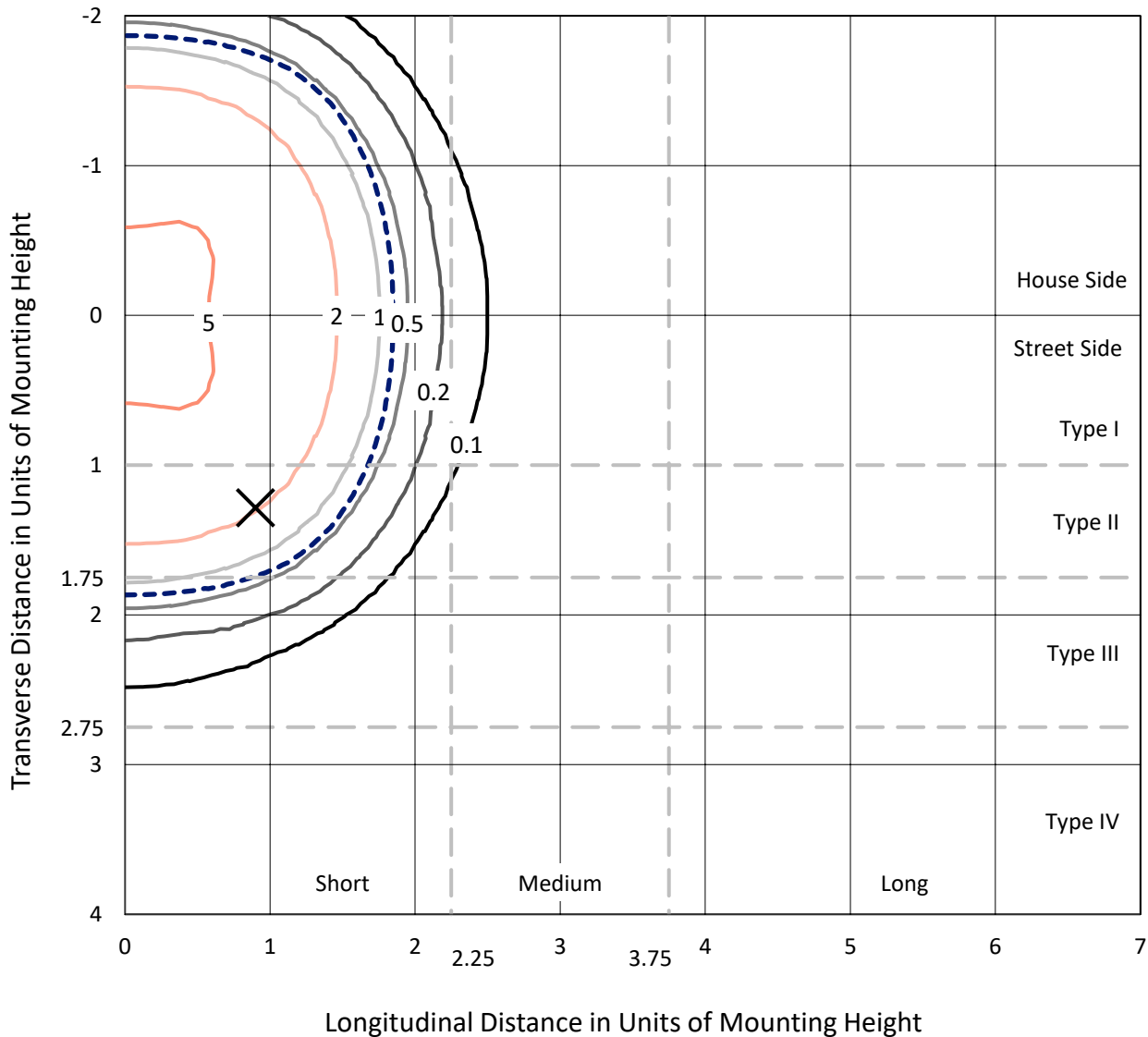
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

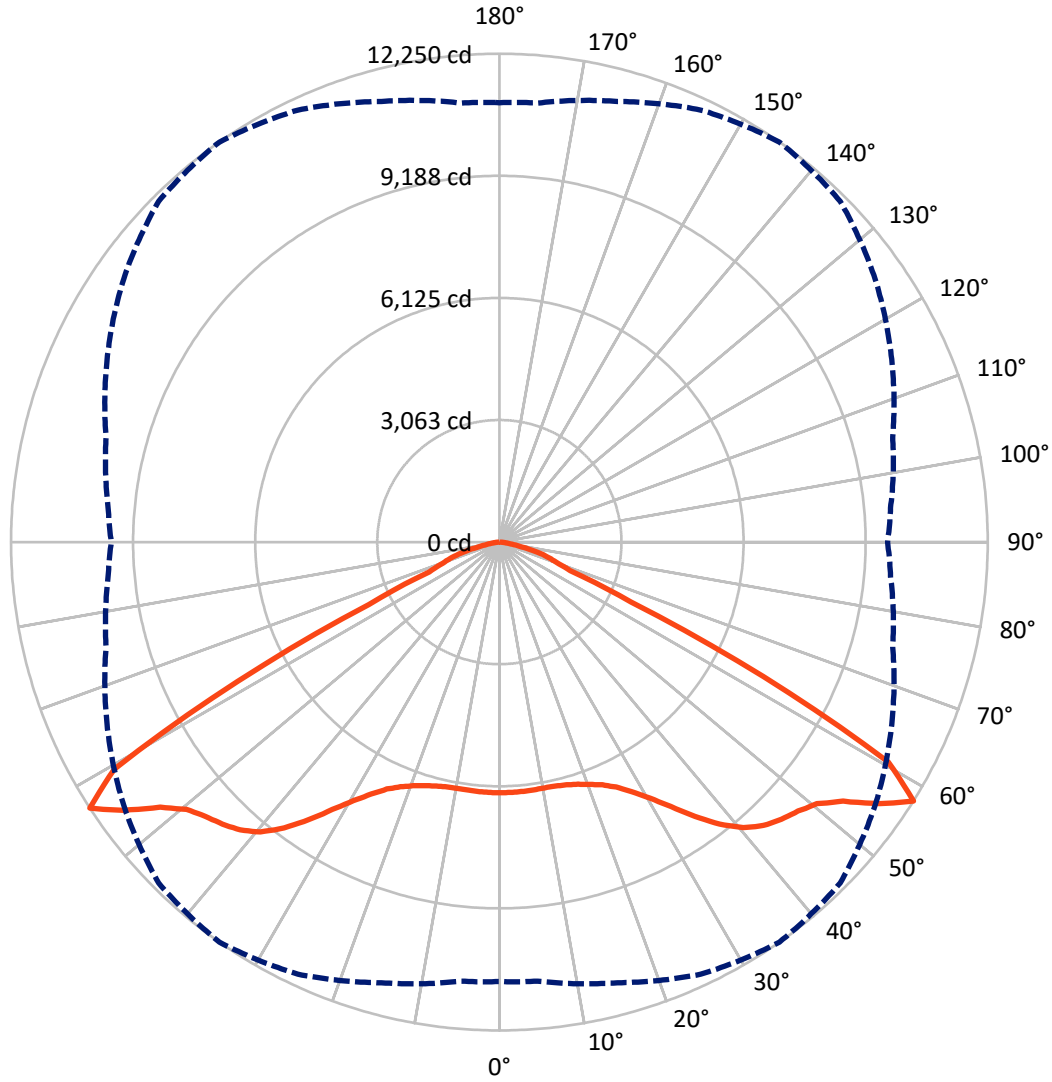
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 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	16435.1	0.0	16435.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16435.1	0.0	16435.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	32870.1	0.0	32870.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.3	1.8
10°-20°	1785.1	5.4
20°-30°	3114.7	9.5
30°-40°	5107.3	15.5
40°-50°	7521.9	22.9
50°-60°	9599.3	29.2
60°-70°	4045.6	12.3
70°-80°	966.4	2.9
80°-90°	131.5	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°	32870.1	100.0
0°-180°	32870.1	100.0

Coefficient of Utilization



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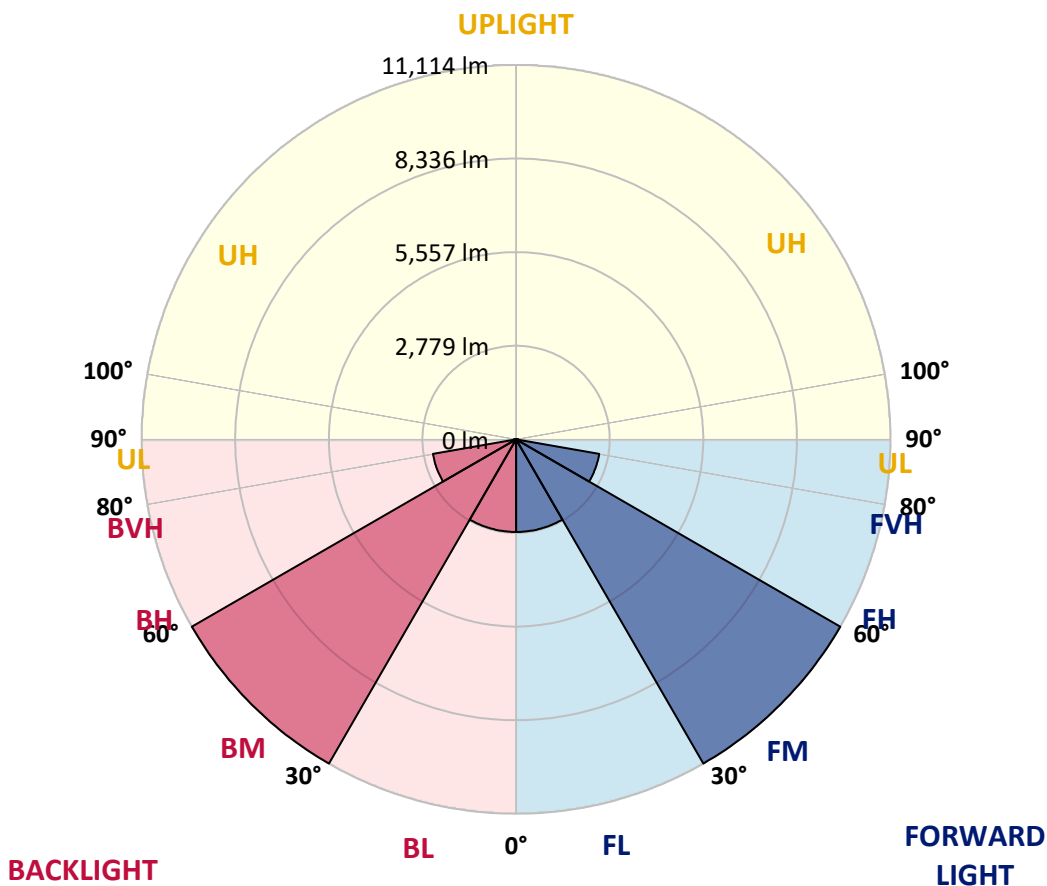
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2749.0	8.4			
FM (30°-60°)	11114.3	33.8			
FH (60°-80°)	2506.0	7.6			G2/5000
FVH (80°-90°)	65.8	0.2			G1/100
BL (0°-30°)	2749.0	8.4	B4/5000		
BM (30°-60°)	11114.3	33.8	B5		
BH (60°-80°)	2506.0	7.6	B4/5000		G2/5000
BVH (80°-90°)	65.8	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°	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3	6289.3
2.5°	6251.6	6251.6	6265.1	6278.6	6283.9	6308.2	6305.5	6297.4	6292.0	6275.9	6297.4
5°	6265.1	6265.1	6275.9	6283.9	6281.2	6300.1	6292.0	6278.6	6270.5	6254.3	6278.6
7.5°	6262.4	6262.4	6270.5	6278.6	6273.2	6289.3	6275.9	6257.0	6243.6	6227.4	6248.9
10°	6227.4	6232.8	6240.9	6259.7	6267.8	6292.0	6273.2	6243.6	6222.0	6203.2	6224.7
12.5°	6222.0	6227.4	6238.2	6262.4	6275.9	6310.8	6286.6	6238.2	6205.9	6181.7	6203.2
15°	6246.3	6251.6	6267.8	6297.4	6318.9	6356.6	6321.6	6254.3	6208.6	6176.3	6195.1
17.5°	6275.9	6283.9	6308.2	6351.2	6386.2	6426.6	6383.5	6302.8	6238.2	6195.1	6211.3
20°	6308.2	6318.9	6356.6	6421.2	6485.8	6536.9	6483.1	6375.4	6297.4	6240.9	6257.0
22.5°	6364.7	6378.1	6426.6	6518.1	6615.0	6690.3	6623.0	6477.7	6375.4	6302.8	6316.2
25°	6480.4	6496.5	6558.4	6668.8	6806.0	6897.5	6803.3	6639.2	6496.5	6407.7	6421.2
27.5°	6684.9	6693.0	6773.7	6919.1	7088.6	7193.6	7080.5	6886.8	6728.0	6625.7	6636.5
30°	6954.0	6978.3	7059.0	7250.1	7451.9	7591.9	7443.8	7215.1	7032.1	6908.3	6919.1
32.5°	7282.4	7298.5	7419.6	7618.8	7909.4	8070.9	7869.0	7597.2	7376.6	7225.9	7236.6
35°	7713.0	7726.4	7842.1	8095.1	8447.7	8598.4	8366.9	8054.7	7799.1	7656.4	7696.8
37.5°	8227.0	8251.2	8334.6	8584.9	8977.8	9125.8	8859.4	8568.8	8302.3	8170.5	8200.1
40°	8778.7	8776.0	8843.3	9063.9	9421.9	9513.4	9273.9	9042.4	8813.7	8727.5	8776.0
42.5°	9252.3	9238.9	9287.3	9470.3	9717.9	9726.0	9567.2	9438.0	9276.5	9217.3	9263.1
45°	9583.3	9588.7	9661.4	9787.9	9914.4	9847.1	9798.6	9777.1	9650.6	9569.9	9578.0
47.5°	9844.4	9865.9	9981.6	10067.8	10083.9	9970.9	10038.1	10070.4	9965.5	9841.7	9806.7
50°	10075.8	10110.8	10261.5	10353.0	10318.0	10175.4	10307.3	10355.7	10124.3	9887.4	9817.5
52.5°	10495.7	10536.0	10719.0	10837.4	10797.1	10654.4	10778.2	10606.0	10215.8	9925.1	9836.3
55°	11165.8	11184.6	11408.0	11601.7	11582.9	11408.0	11308.4	10926.2	10452.6	10151.2	10067.8
57.5°	11023.1	11055.4	11443.0	11959.7	12250.3	12091.5	11507.5	10856.3	10213.1	9849.8	9736.7
60°	8673.7	8751.8	9233.5	10143.1	11208.8	11206.1	10121.6	9109.7	8334.6	7852.9	7804.5
62.5°	5064.8	5118.6	5557.3	6477.7	7433.1	7492.3	6730.7	6036.3	5358.2	5032.5	4876.4
65°	2397.9	2395.2	2570.1	2984.5	3630.4	3681.6	3452.8	3073.3	2672.4	2562.0	2532.4
67.5°	1770.8	1770.8	1757.3	1787.0	1910.7	1937.7	1910.7	1848.8	1811.2	1835.4	1819.2
70°	1536.7	1539.4	1523.2	1515.1	1515.1	1507.1	1517.8	1542.1	1558.2	1590.5	1574.3
72.5°	1246.0	1248.7	1248.7	1251.4	1254.1	1243.3	1259.5	1272.9	1275.6	1286.4	1275.6
75°	885.4	890.8	906.9	920.4	931.2	931.2	936.5	939.2	928.5	941.9	920.4
77.5°	487.1	492.5	522.1	546.3	570.5	573.2	581.3	586.7	581.3	592.1	575.9
80°	269.1	274.5	288.0	298.7	317.6	333.7	344.5	349.9	349.9	357.9	349.9
82.5°	153.4	158.8	166.9	172.2	188.4	201.8	212.6	220.7	220.7	223.4	218.0
85°	72.7	72.7	78.0	83.4	91.5	96.9	110.3	118.4	118.4	123.8	118.4
87.5°	10.8	13.5	16.1	16.1	21.5	26.9	32.3	35.0	40.4	43.1	43.1
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)