

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: P640770

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 32431.3 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

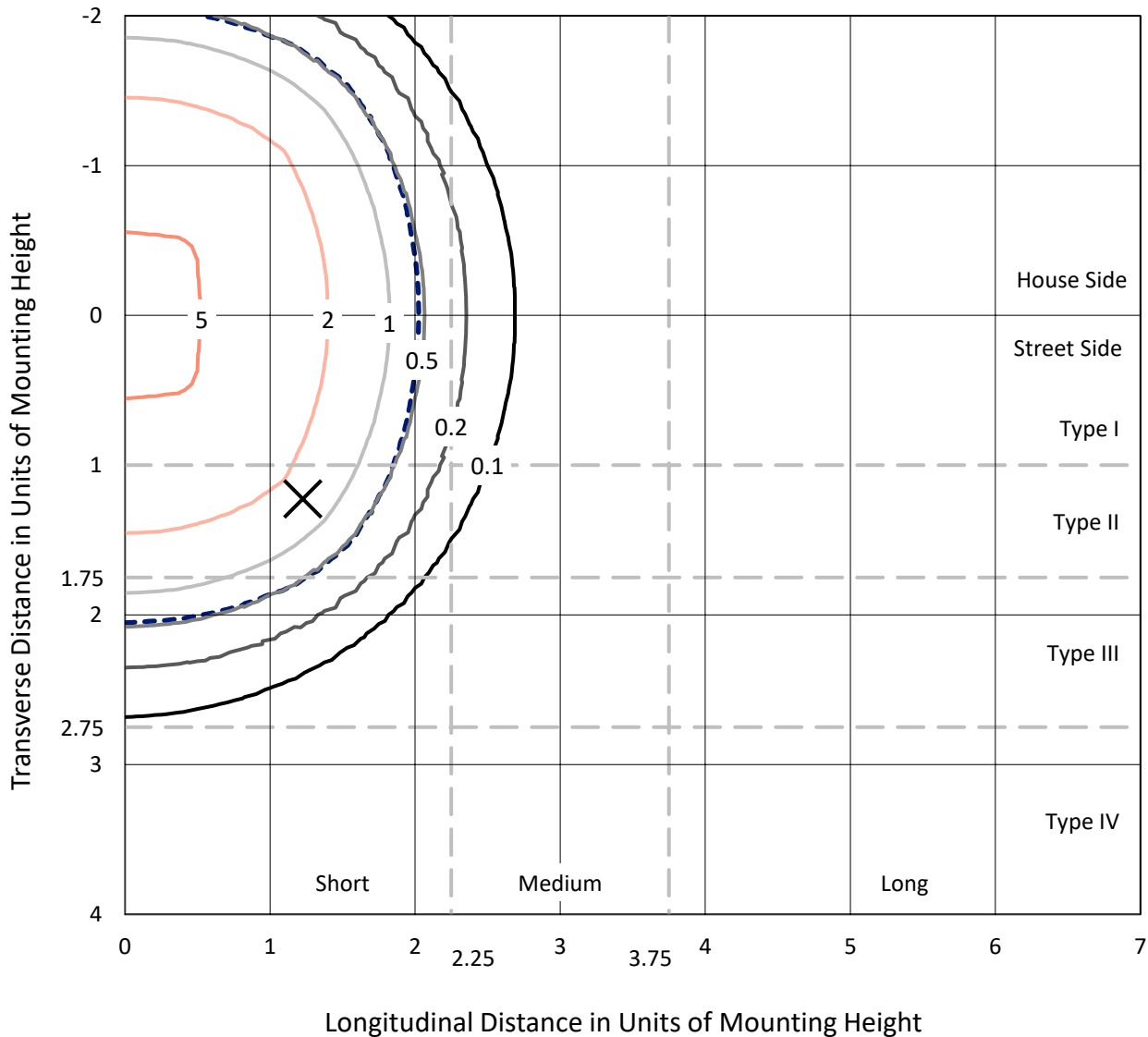
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

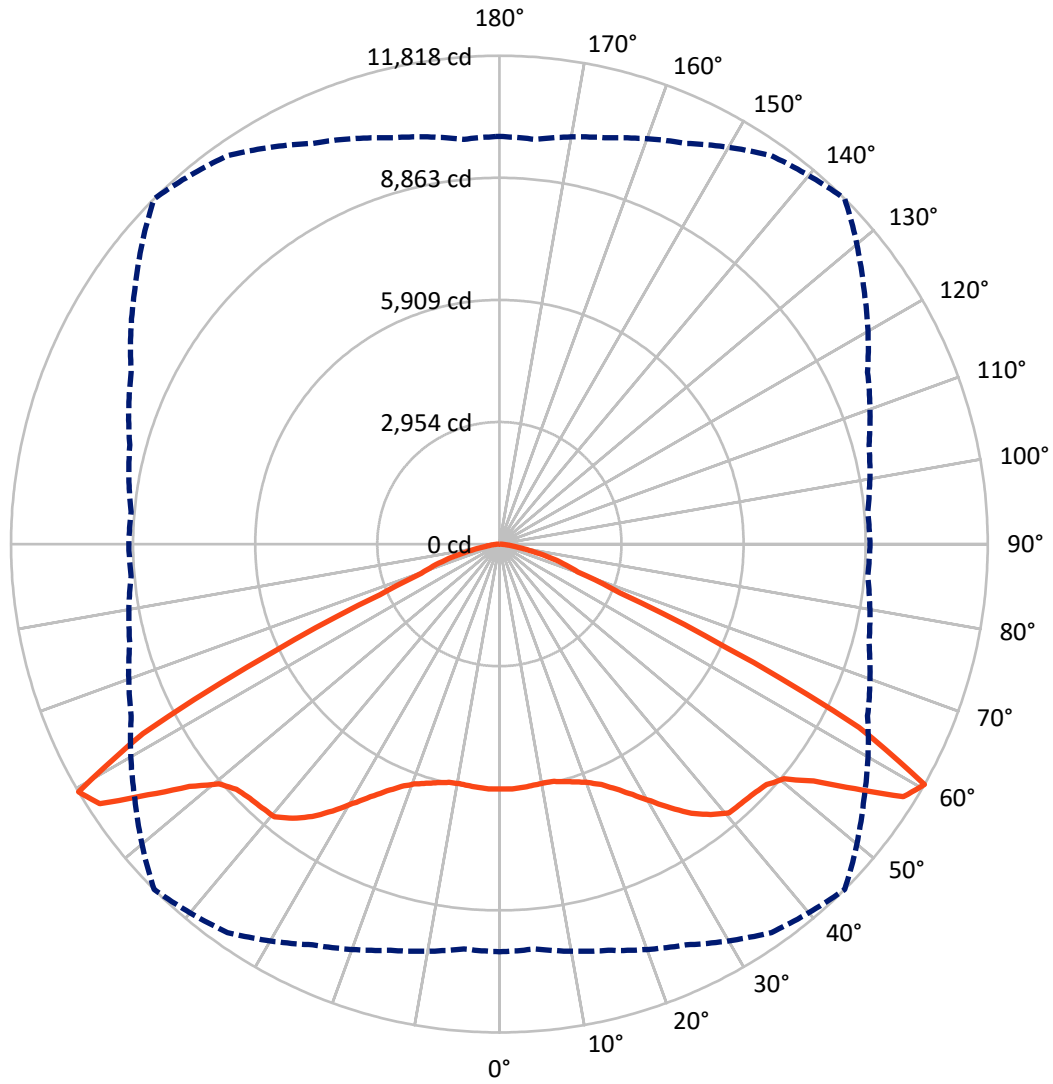
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16215.6	0.0	16215.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16215.6	0.0	16215.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	32431.3	0.0	32431.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.1	1.7
10°-20°	1690.6	5.2
20°-30°	2991.0	9.2
30°-40°	4815.6	14.8
40°-50°	6618.9	20.4
50°-60°	8820.3	27.2
60°-70°	5497.2	17.0
70°-80°	1264.1	3.9
80°-90°	171.5	0.5
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°	32431.3	100.0
0°-180°	32431.3	100.0

Coefficient of Utilization



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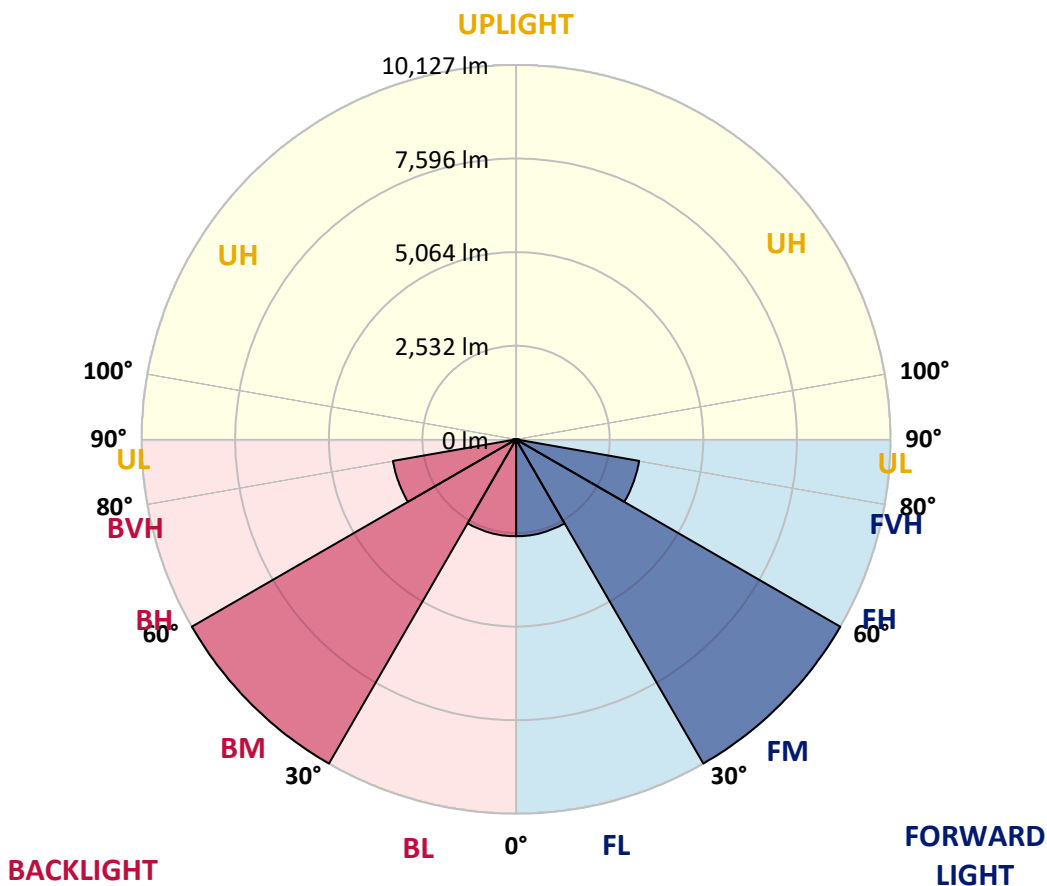
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2621.8	8.1			
FM (30°-60°)	10127.4	31.2			
FH (60°-80°)	3380.7	10.4			G2/5000
FVH (80°-90°)	85.8	0.3			G1/100
BL (0°-30°)	2621.8	8.1	B4/5000		
BM (30°-60°)	10127.4	31.2	B5		
BH (60°-80°)	3380.7	10.4	B4/5000		G2/5000
BVH (80°-90°)	85.8	0.3			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°	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8	5926.8
2.5°	5885.5	5891.0	5902.0	5910.3	5921.3	5932.3	5937.8	5926.8	5921.3	5899.2	5924.0
5°	5891.0	5896.5	5904.8	5904.8	5907.5	5915.8	5915.8	5902.0	5888.2	5863.5	5891.0
7.5°	5882.7	5888.2	5891.0	5888.2	5891.0	5893.7	5888.2	5871.7	5858.0	5835.9	5858.0
10°	5869.0	5874.5	5880.0	5874.5	5869.0	5877.2	5877.2	5866.2	5858.0	5835.9	5860.7
12.5°	5899.2	5907.5	5910.3	5896.5	5891.0	5893.7	5893.7	5882.7	5882.7	5863.5	5891.0
15°	5970.8	5976.3	5968.1	5951.5	5954.3	5962.6	5943.3	5915.8	5910.3	5902.0	5924.0
17.5°	6025.9	6031.4	6023.1	6012.1	6031.4	6050.6	6014.9	5962.6	5946.0	5940.5	5965.3
20°	6086.4	6094.7	6083.7	6097.4	6136.0	6158.0	6114.0	6042.4	6009.4	6001.1	6031.4
22.5°	6185.5	6196.5	6196.5	6226.8	6284.6	6320.4	6265.4	6169.0	6119.5	6105.7	6136.0
25°	6342.4	6350.7	6359.0	6419.5	6513.1	6562.7	6474.6	6342.4	6273.6	6251.6	6268.1
27.5°	6559.9	6573.7	6587.4	6675.5	6791.2	6862.7	6736.1	6570.9	6485.6	6441.5	6474.6
30°	6818.7	6837.9	6871.0	6970.1	7132.5	7212.3	7049.9	6849.0	6752.6	6705.8	6749.9
32.5°	7171.0	7173.8	7198.6	7308.7	7523.4	7614.2	7410.5	7187.6	7088.5	7033.4	7058.2
35°	7589.5	7592.2	7553.7	7666.5	7897.8	7999.6	7760.1	7534.4	7451.8	7435.3	7498.6
37.5°	8018.9	7994.1	7955.6	8005.1	8239.1	8305.2	8051.9	7859.2	7823.5	7853.7	7947.3
40°	8324.5	8283.2	8206.1	8241.9	8478.6	8555.7	8285.9	8104.2	8093.2	8167.6	8280.4
42.5°	8522.7	8478.6	8387.8	8387.8	8550.2	8583.2	8374.0	8277.7	8302.4	8387.8	8495.1
45°	8619.0	8594.2	8541.9	8514.4	8605.2	8619.0	8459.3	8420.8	8467.6	8508.9	8591.5
47.5°	8693.3	8693.3	8676.8	8649.3	8690.6	8698.8	8580.5	8569.5	8630.0	8630.0	8685.1
50°	8825.5	8839.2	8861.3	8855.8	8899.8	8927.3	8839.2	8822.7	8847.5	8767.7	8795.2
52.5°	9172.3	9208.1	9271.4	9321.0	9433.8	9519.2	9362.3	9230.1	9100.7	8924.6	8930.1
55°	9794.5	9811.0	9934.8	10080.7	10270.7	10444.1	10122.0	9711.9	9431.1	9224.6	9227.4
57.5°	10320.2	10345.0	10526.7	10832.3	11258.9	11528.7	10815.7	10130.3	9733.9	9480.6	9488.9
60°	9866.0	9833.0	10177.1	10700.1	11473.7	11817.8	10766.2	9830.2	9260.4	8946.6	8968.6
62.5°	7633.5	7570.2	7952.8	8500.6	9428.3	9772.4	8803.4	7906.0	7366.5	7121.5	7085.7
65°	4646.7	4588.9	4864.2	5200.0	5827.7	6045.1	5601.9	5125.7	4655.0	4506.3	4465.0
67.5°	2529.8	2521.6	2595.9	2761.1	3036.3	3138.2	3052.9	2827.1	2706.0	2601.4	2601.4
70°	2006.8	1990.3	1976.5	1979.3	2004.0	2017.8	2020.6	2009.5	2023.3	2026.1	2015.0
72.5°	1662.7	1657.2	1629.7	1632.4	1621.4	1615.9	1635.2	1646.2	1668.2	1670.9	1670.9
75°	1205.7	1192.0	1205.7	1208.5	1197.5	1197.5	1211.2	1208.5	1219.5	1225.0	1194.7
77.5°	685.4	685.4	704.7	726.7	743.3	743.3	757.0	757.0	770.8	768.0	762.5
80°	377.1	377.1	388.1	401.9	418.4	434.9	448.7	451.5	459.7	457.0	448.7
82.5°	214.7	217.5	223.0	231.2	247.8	261.5	275.3	278.0	286.3	286.3	278.0
85°	101.9	99.1	101.9	107.4	115.6	126.6	140.4	148.7	154.2	154.2	148.7
87.5°	19.3	22.0	19.3	22.0	24.8	33.0	38.5	44.0	52.3	55.1	49.6
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)