

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: P632243

Luminaire Tested: GWS-SA2C-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9541 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

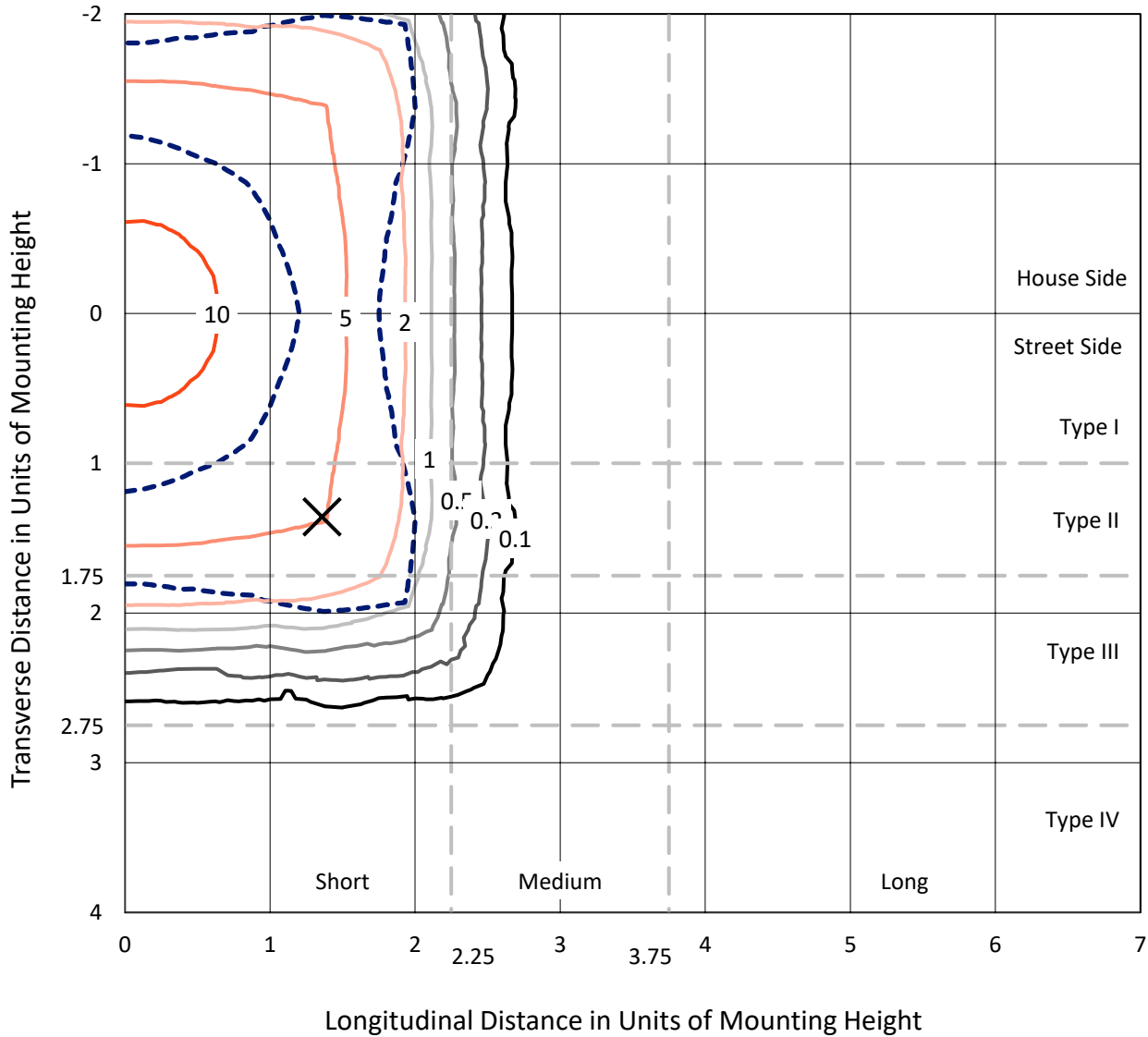
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

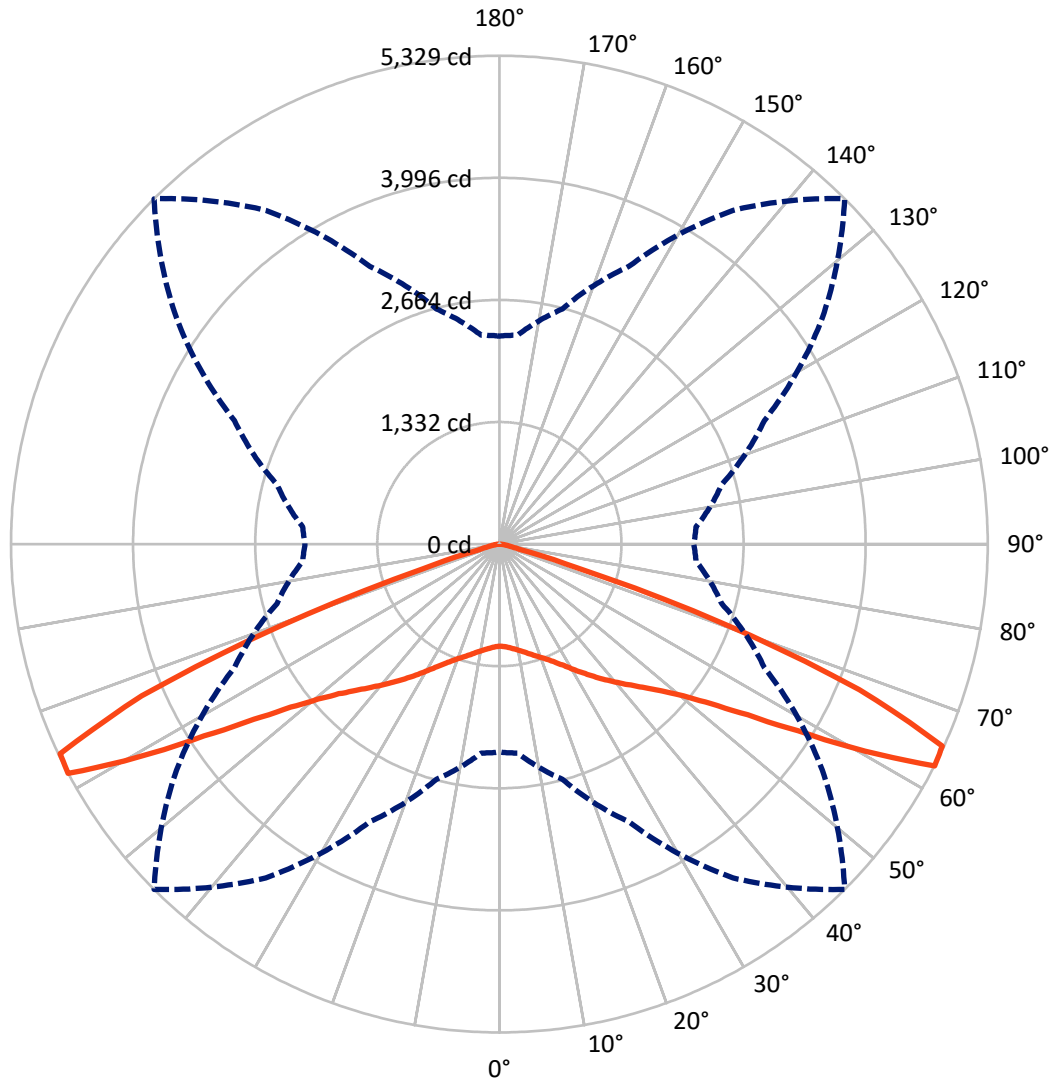
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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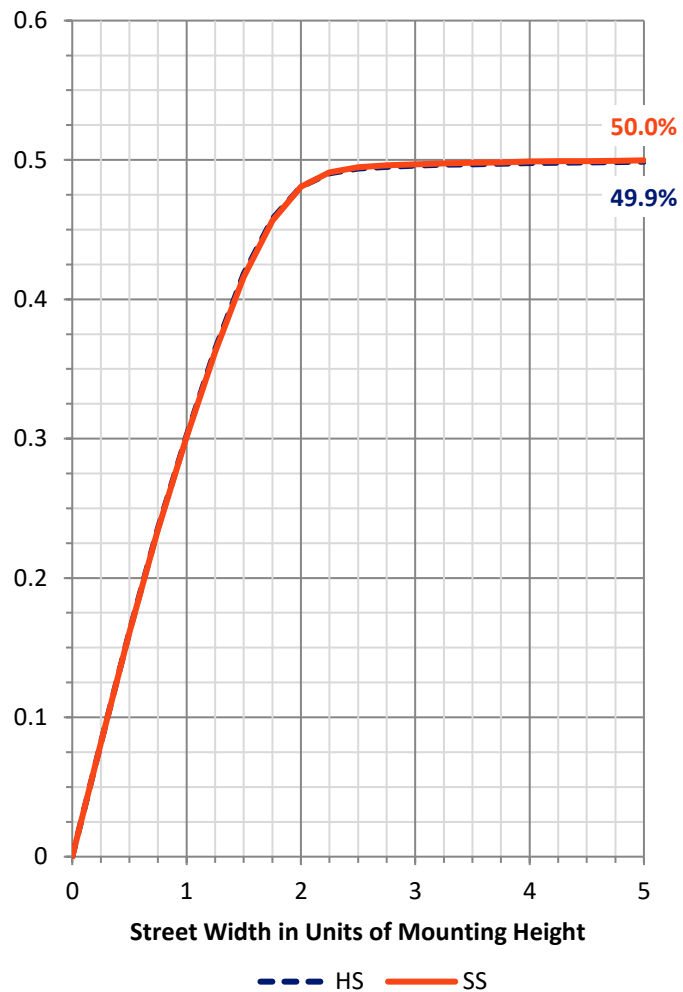
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4770.5	0.0	4770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4770.5	0.0	4770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9541.0	0.0	9541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	1.1
10°-20°	352.2	3.7
20°-30°	666.3	7.0
30°-40°	1121.5	11.8
40°-50°	1791.8	18.8
50°-60°	2888.2	30.3
60°-70°	2356.5	24.7
70°-80°	228.8	2.4
80°-90°	26.6	0.3
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°	9541.0	100.0
0°-180°	9541.0	100.0

Coefficient of Utilization



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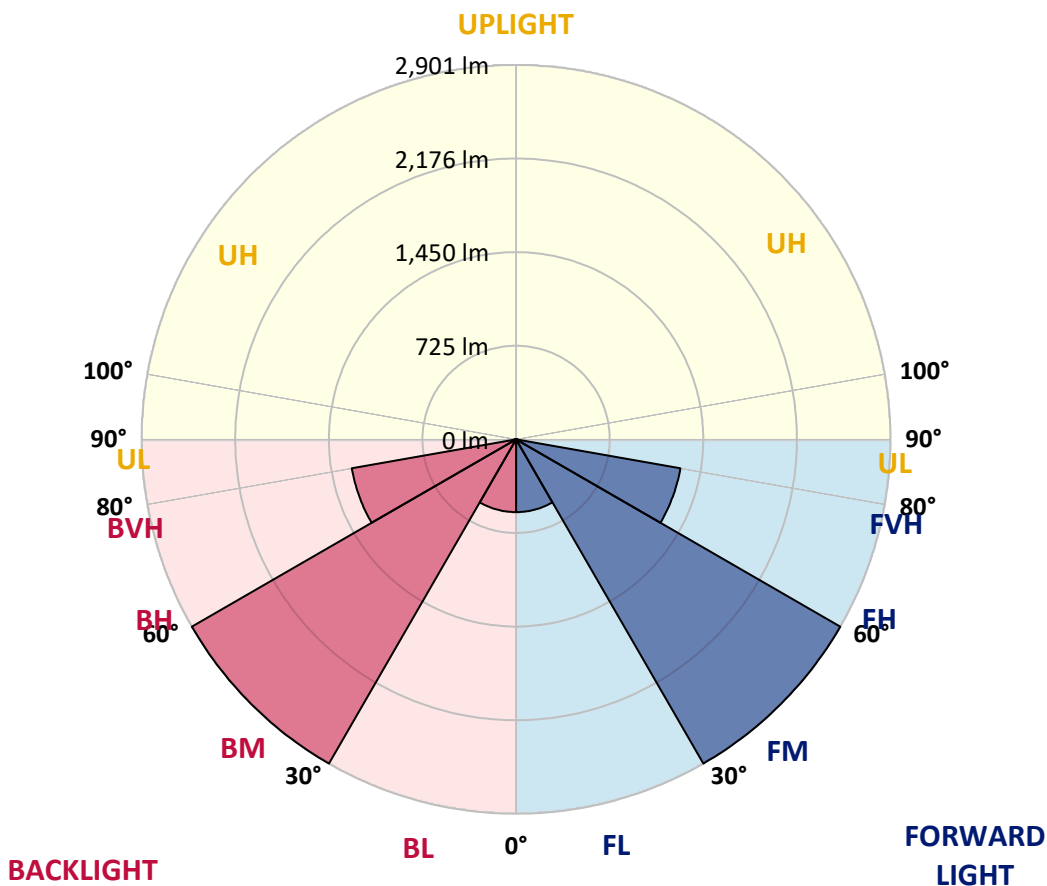
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.8	5.9			
FM (30°-60°)	2900.7	30.4			
FH (60°-80°)	1292.6	13.5			G1/1800
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	563.8	5.9	B2/1000		
BM (30°-60°)	2900.7	30.4	B3/5000		
BH (60°-80°)	1292.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	13.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1
2.5°	1111.8	1111.8	1114.4	1116.4	1115.0	1120.3	1119.6	1118.3	1117.7	1115.7	1121.6
5°	1126.8	1126.8	1128.8	1130.8	1127.5	1134.0	1131.4	1130.1	1129.4	1126.8	1132.1
7.5°	1143.8	1145.8	1146.5	1149.7	1147.8	1155.0	1153.0	1150.4	1149.1	1145.8	1150.4
10°	1162.8	1164.1	1164.8	1170.7	1171.3	1179.8	1177.9	1174.6	1172.0	1168.7	1175.3
12.5°	1188.3	1189.0	1191.0	1198.2	1200.1	1206.7	1206.0	1201.4	1198.2	1193.6	1200.8
15°	1221.1	1221.7	1225.0	1232.2	1235.5	1243.3	1240.7	1233.5	1228.9	1223.7	1229.6
17.5°	1255.1	1257.7	1261.0	1268.2	1272.8	1281.9	1278.6	1270.8	1266.9	1261.6	1265.6
20°	1298.9	1299.6	1301.5	1309.4	1312.7	1323.1	1323.8	1315.9	1314.0	1308.7	1314.6
22.5°	1347.4	1348.0	1350.0	1358.5	1364.4	1370.9	1374.8	1370.3	1367.0	1360.4	1367.6
25°	1401.0	1407.6	1409.5	1420.0	1426.5	1430.5	1435.0	1433.1	1428.5	1420.6	1423.9
27.5°	1476.3	1477.6	1480.8	1492.6	1496.5	1500.5	1505.1	1505.7	1499.2	1490.0	1494.6
30°	1562.0	1561.3	1568.5	1577.7	1581.0	1584.2	1590.8	1594.7	1586.2	1576.4	1581.0
32.5°	1649.7	1657.5	1666.7	1675.2	1673.2	1674.5	1685.0	1692.2	1680.4	1662.8	1666.7
35°	1748.5	1753.7	1765.5	1777.9	1775.3	1773.3	1779.9	1787.1	1770.7	1747.8	1753.7
37.5°	1849.9	1857.8	1875.4	1890.5	1886.6	1877.4	1884.6	1892.4	1876.7	1850.6	1847.9
40°	1963.1	1975.5	2001.1	2013.5	2003.0	1985.4	1997.8	2016.8	2001.1	1971.0	1963.8
42.5°	2096.0	2111.0	2136.5	2155.5	2132.6	2103.8	2124.7	2152.2	2148.3	2108.4	2096.0
45°	2260.2	2270.0	2301.4	2310.6	2276.6	2236.6	2274.6	2316.5	2306.7	2263.5	2247.1
47.5°	2438.8	2453.9	2481.4	2498.4	2443.4	2393.7	2446.7	2503.0	2492.5	2451.9	2433.0
50°	2666.6	2686.2	2722.2	2736.6	2660.7	2603.7	2671.8	2743.1	2722.8	2668.5	2643.7
52.5°	2914.6	2930.3	2991.8	3020.6	2949.3	2887.7	2947.3	3017.3	2974.1	2902.1	2868.8
55°	3133.1	3148.8	3239.1	3334.7	3331.4	3288.9	3319.0	3320.3	3203.1	3084.1	3048.7
57.5°	3180.2	3196.0	3368.1	3618.0	3794.7	3843.8	3755.4	3569.6	3274.5	3065.7	3025.8
60°	2929.0	2946.6	3220.2	3676.9	4258.0	4585.8	4178.8	3564.4	3054.0	2771.3	2733.3
62.5°	2269.4	2288.3	2656.1	3341.9	4445.1	5328.5	4301.8	3189.4	2512.1	2154.2	2120.8
65°	1083.6	1083.6	1550.9	2397.0	4072.2	5310.9	3945.9	2359.7	1512.3	1161.5	1132.7
67.5°	268.3	269.6	399.2	933.1	2770.0	4238.4	2815.1	1132.7	532.7	376.9	367.1
70°	167.5	166.9	185.2	252.6	969.1	2572.3	1151.0	341.6	216.6	191.1	189.8
72.5°	130.2	130.2	139.4	161.6	253.9	876.2	335.7	189.8	157.0	141.3	141.3
75°	102.7	102.7	109.3	121.1	149.9	225.8	178.6	140.7	121.7	111.2	109.9
77.5°	76.6	77.9	83.1	91.0	102.1	126.9	113.2	106.0	94.9	87.0	84.4
80°	49.7	51.7	58.2	62.8	66.7	83.8	73.9	77.2	72.0	62.8	61.5
82.5°	26.8	27.5	35.3	36.6	38.0	45.8	47.1	49.1	51.0	39.9	37.3
85°	9.8	9.8	11.8	13.7	15.1	16.4	22.2	27.5	28.8	22.9	22.2
87.5°	2.0	2.0	2.0	1.3	1.3	1.3	3.9	7.2	11.8	9.2	9.2
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)