

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: P632678

Luminaire Tested: GWS-SA2D-730-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632678
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-SA2D-730-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6496.3 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 82.1
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

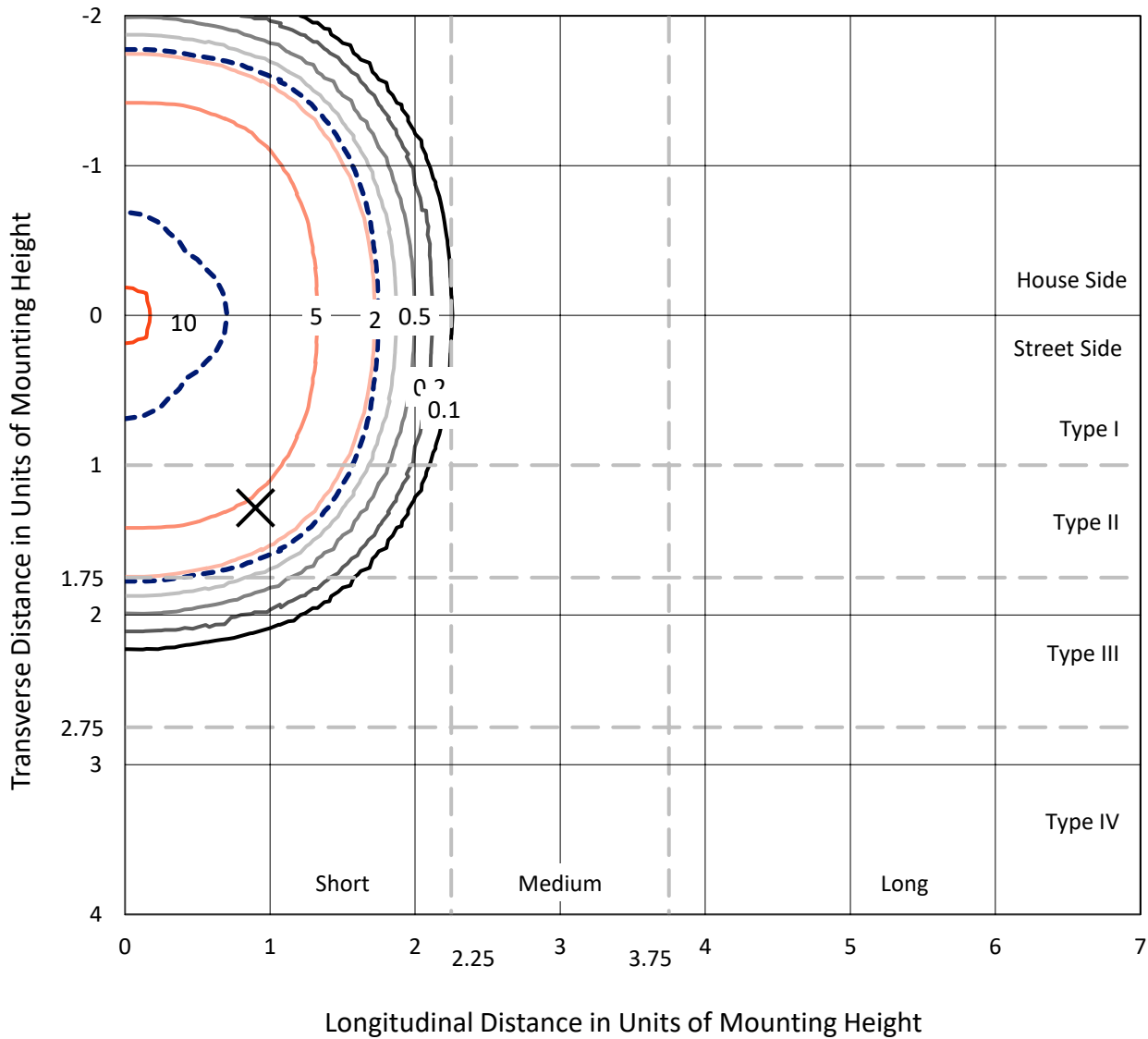


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Iso-Footcandle Lines of Horizontal Illumination

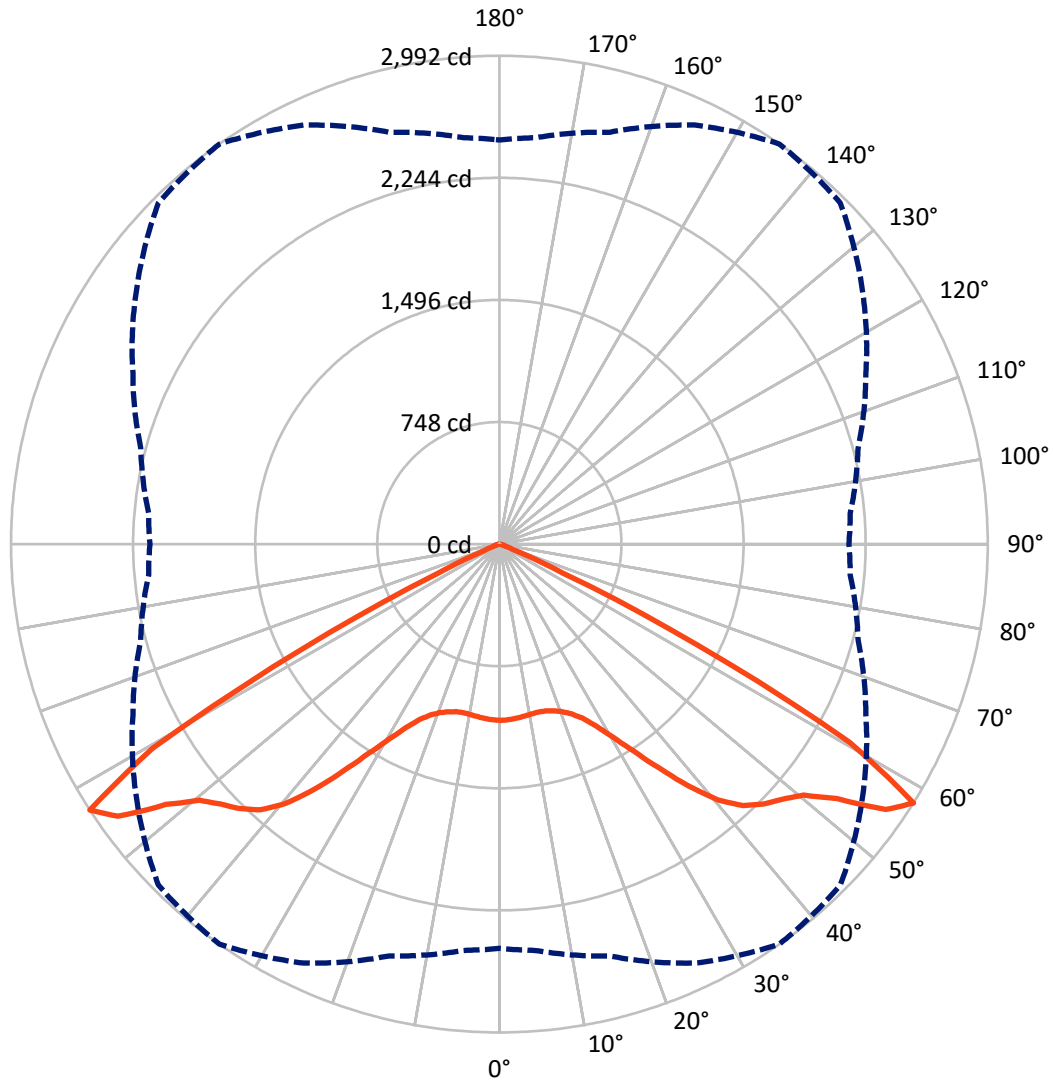
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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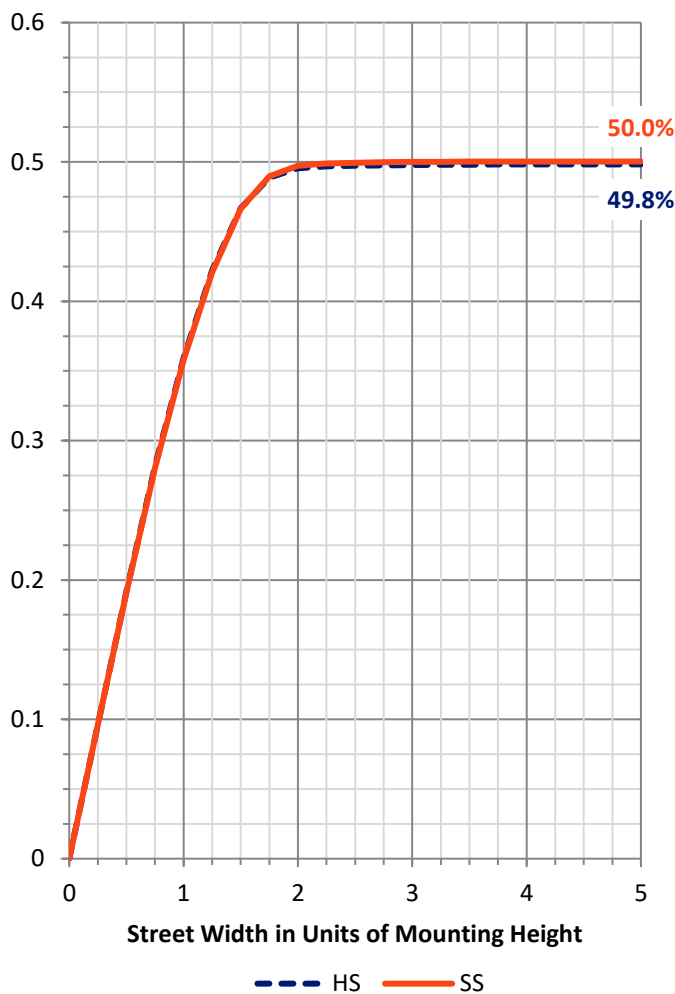
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3248.2	0.0	3248.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3248.2	0.0	3248.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6496.3	0.0	6496.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	1.6
10°-20°	299.3	4.6
20°-30°	541.1	8.3
30°-40°	1009.4	15.5
40°-50°	1693.3	26.1
50°-60°	2236.1	34.4
60°-70°	593.9	9.1
70°-80°	21.1	0.3
80°-90°	0.4	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°	6496.3	100.0
0°-180°	6496.3	100.0

Coefficient of Utilization



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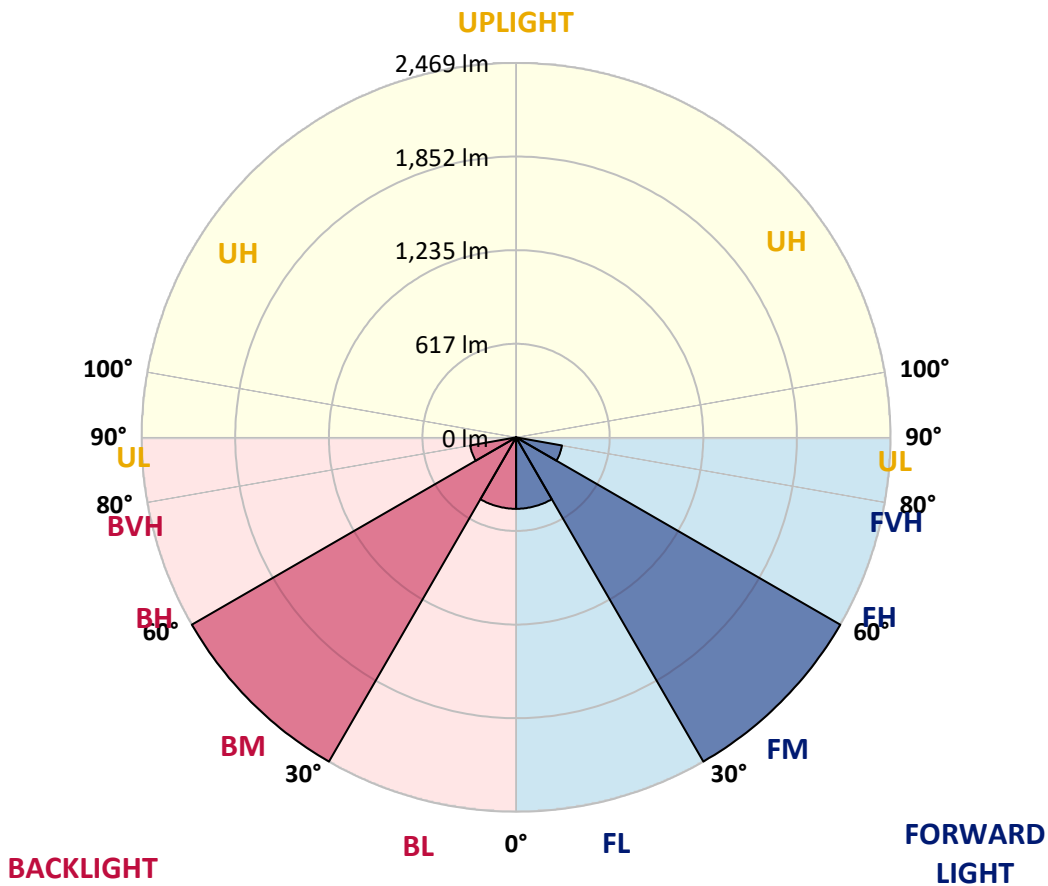
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.1	7.3			
FM (30°-60°)	2469.4	38.0			
FH (60°-80°)	307.5	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	471.1	7.3	B1/500		
BM (30°-60°)	2469.4	38.0	B2/2500		
BH (60°-80°)	307.5	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1072.4	1071.7	1074.7	1077.0	1077.0	1082.4	1080.8	1079.3	1077.8	1075.5	1080.8
5°	1070.9	1070.2	1072.4	1074.0	1072.4	1077.0	1074.0	1070.9	1069.4	1066.3	1072.4
7.5°	1064.1	1064.8	1066.3	1067.9	1065.6	1069.4	1065.6	1061.0	1057.2	1054.2	1059.5
10°	1053.4	1054.2	1055.7	1058.7	1059.5	1064.8	1059.5	1051.1	1045.8	1041.2	1046.5
12.5°	1048.1	1048.8	1051.1	1054.9	1055.7	1062.5	1055.7	1043.5	1035.9	1030.5	1035.9
15°	1049.6	1051.1	1054.2	1058.7	1060.3	1067.1	1058.0	1042.0	1031.3	1024.4	1029.0
17.5°	1054.9	1056.4	1061.0	1068.6	1074.0	1080.8	1069.4	1048.8	1034.3	1024.4	1029.0
20°	1061.8	1064.1	1071.7	1083.9	1095.3	1107.5	1093.0	1064.8	1045.8	1033.6	1037.4
22.5°	1080.8	1083.1	1093.8	1109.8	1128.9	1144.1	1126.6	1090.7	1064.8	1048.8	1052.6
25°	1119.7	1122.0	1135.7	1156.3	1180.7	1200.5	1178.4	1133.4	1099.9	1081.6	1083.1
27.5°	1180.7	1183.0	1199.0	1227.9	1260.7	1288.9	1256.9	1204.3	1166.2	1144.9	1144.9
30°	1257.7	1260.7	1282.1	1320.9	1372.0	1409.3	1365.9	1301.9	1253.1	1224.1	1224.9
32.5°	1356.8	1353.7	1384.2	1437.6	1510.0	1559.5	1495.5	1417.7	1357.5	1317.1	1320.9
35°	1484.0	1483.3	1517.6	1590.0	1684.5	1744.0	1667.7	1567.1	1494.7	1453.6	1454.3
37.5°	1647.9	1647.2	1686.8	1765.3	1878.9	1928.4	1843.1	1740.9	1663.2	1623.5	1628.1
40°	1840.0	1835.4	1870.5	1946.0	2059.5	2091.5	1998.5	1916.2	1841.5	1816.4	1828.6
42.5°	2022.9	2013.0	2033.6	2102.2	2189.9	2194.4	2124.3	2067.9	2016.8	1997.0	2004.6
45°	2170.0	2162.4	2181.5	2221.1	2271.4	2248.6	2215.0	2197.5	2156.3	2135.0	2141.8
47.5°	2279.8	2279.8	2302.7	2327.1	2334.7	2292.8	2298.1	2298.1	2256.9	2223.4	2215.0
50°	2374.3	2381.2	2415.5	2440.6	2415.5	2362.1	2392.6	2386.5	2302.7	2235.6	2218.1
52.5°	2525.2	2532.1	2584.7	2619.0	2590.8	2538.2	2542.0	2465.8	2342.3	2263.0	2235.6
55°	2685.3	2702.1	2778.3	2869.8	2870.5	2816.4	2715.8	2580.9	2430.7	2344.6	2316.4
57.5°	2475.7	2498.6	2612.1	2832.4	2991.7	2954.4	2714.3	2477.2	2274.5	2157.1	2141.1
60°	1703.6	1743.2	1856.8	2157.9	2465.0	2479.5	2196.0	1929.9	1697.5	1552.6	1555.7
62.5°	719.5	759.9	824.0	1071.7	1353.7	1371.2	1234.0	1043.5	853.7	749.3	765.3
65°	169.2	180.6	199.7	296.5	429.9	449.7	414.6	323.2	238.6	202.0	205.8
67.5°	73.9	75.5	71.6	76.2	94.5	96.8	93.8	82.3	77.7	79.3	79.3
70°	51.8	52.6	49.5	47.3	45.0	41.9	43.4	48.0	51.8	54.9	54.1
72.5°	32.0	32.8	33.5	33.5	31.3	28.2	29.7	32.8	33.5	34.3	33.5
75°	16.0	16.8	18.3	19.1	18.3	17.5	17.5	18.3	18.3	17.5	17.5
77.5°	3.0	3.8	5.3	6.1	6.1	6.1	6.1	6.1	6.9	6.1	6.1
80°	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)