

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: P630206

Luminaire Tested: GWS-SA1D-730-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3885.6 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 44.3
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

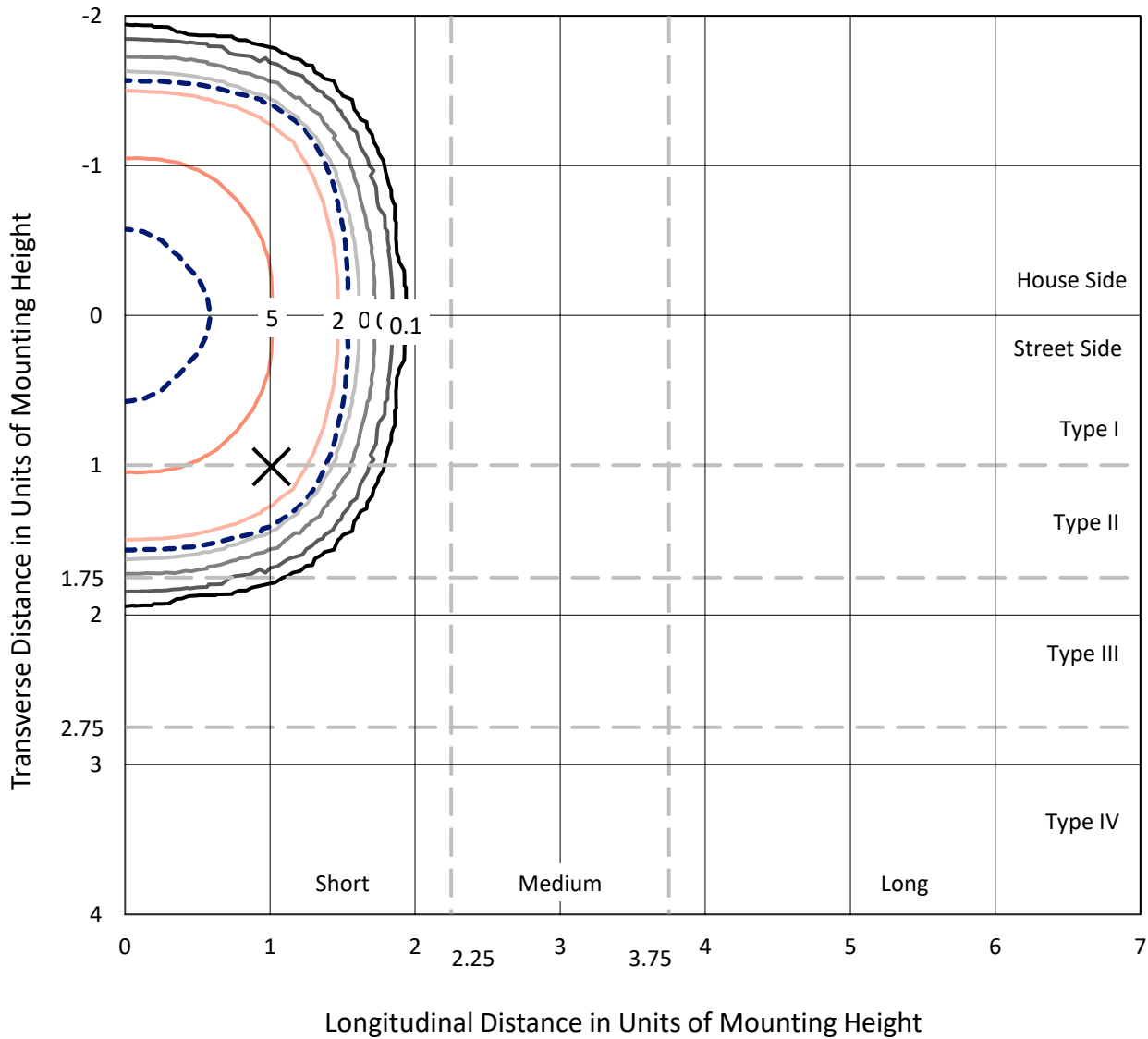


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Iso-Footcandle Lines of Horizontal Illumination

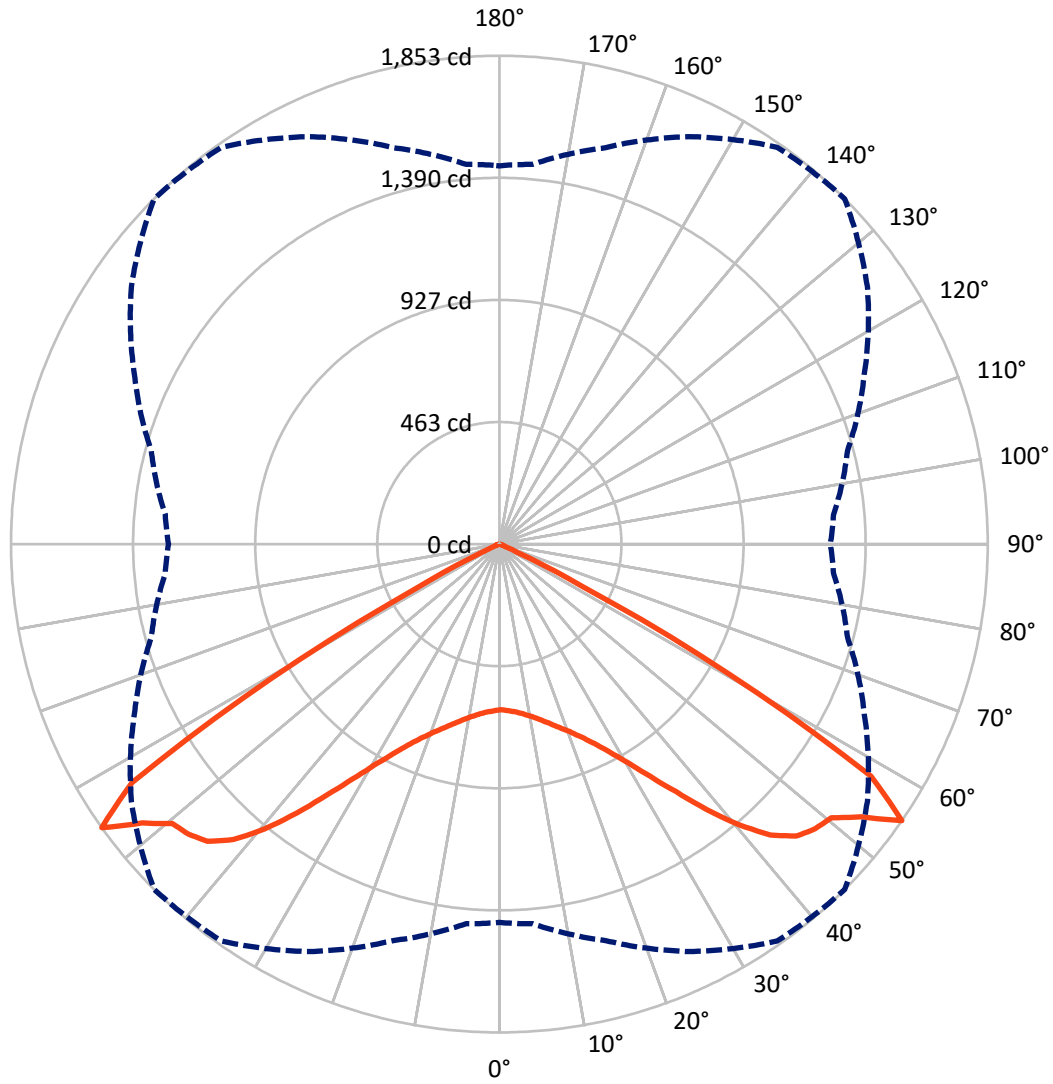
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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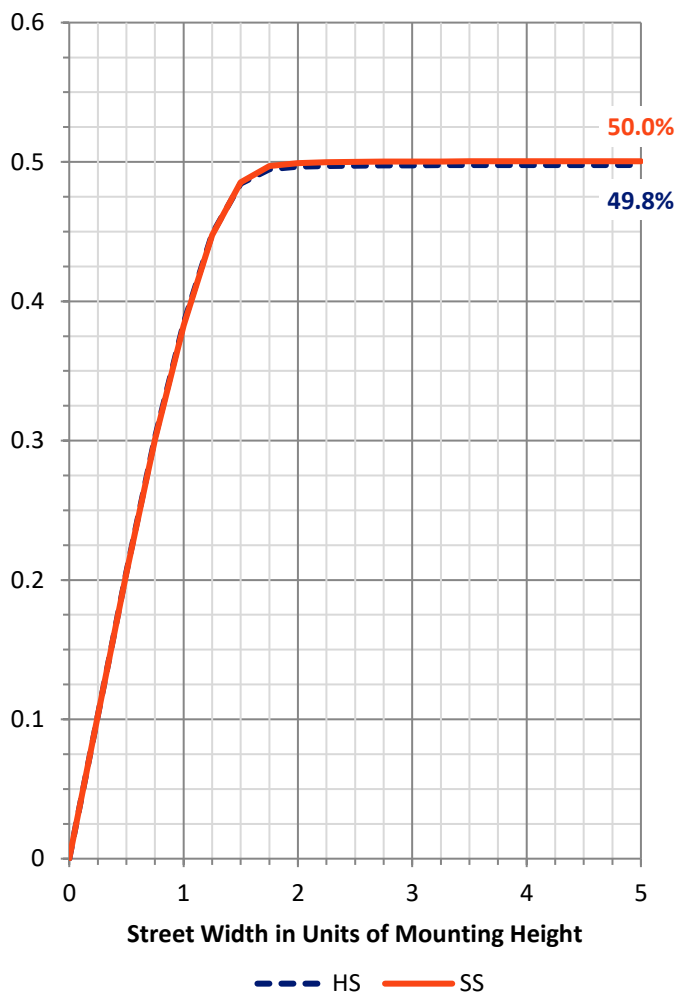
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1942.8	0.0	1942.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1942.8	0.0	1942.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3885.6	0.0	3885.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.6
10°-20°	199.5	5.1
20°-30°	386.4	9.9
30°-40°	692.3	17.8
40°-50°	1160.6	29.9
50°-60°	1242.4	32.0
60°-70°	136.5	3.5
70°-80°	6.0	0.2
80°-90°	0.3	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°	3885.6	100.0
0°-180°	3885.6	100.0

Coefficient of Utilization



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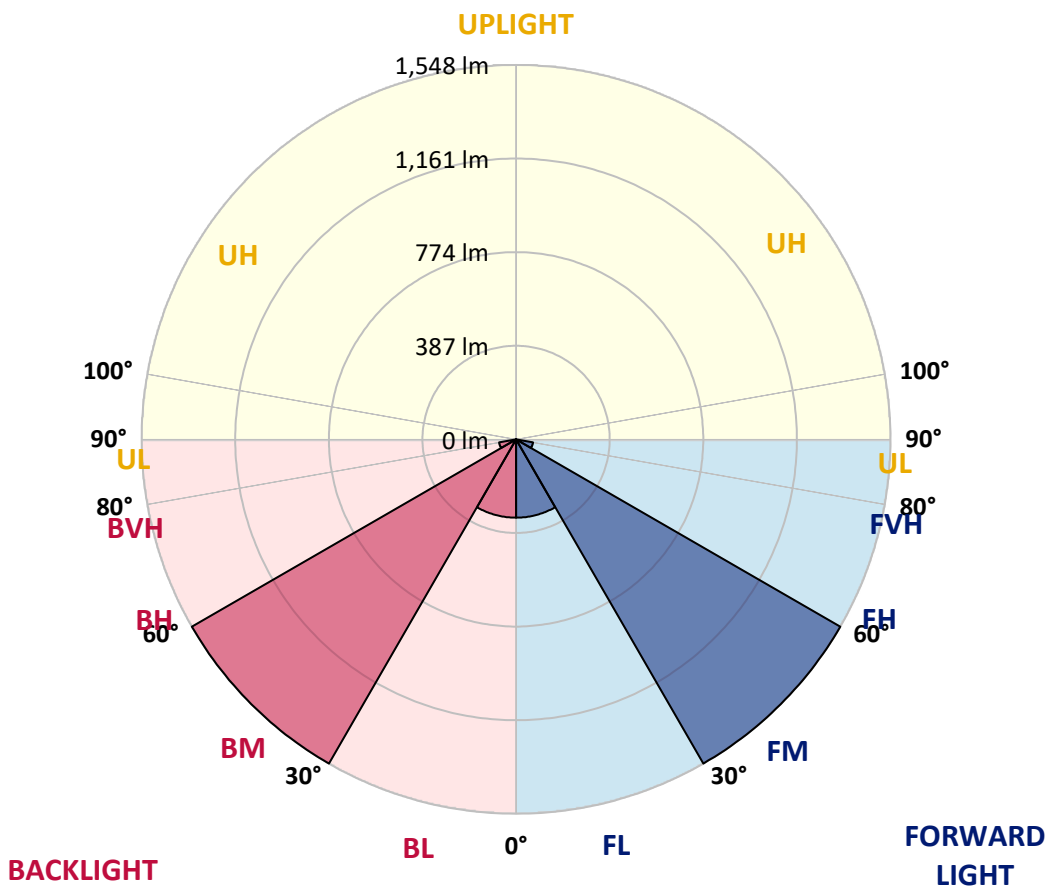
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	8.3			
FM (30°-60°)	1547.6	39.8			
FH (60°-80°)	71.3	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	323.7	8.3	B1/500		
BM (30°-60°)	1547.6	39.8	B2/2500		
BH (60°-80°)	71.3	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	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°	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2	628.2
2.5°	627.0	627.0	628.6	629.8	629.8	633.0	631.8	630.6	630.6	629.0	632.2
5°	636.1	635.7	637.3	638.1	636.5	639.7	637.7	636.5	635.7	634.2	637.3
7.5°	646.0	646.4	646.8	648.4	647.6	650.8	649.2	646.8	646.0	643.7	646.8
10°	657.9	657.9	658.7	660.7	661.1	665.0	663.5	660.7	658.3	655.9	659.1
12.5°	673.0	673.4	674.5	677.3	678.9	683.3	680.9	675.3	671.8	669.0	672.6
15°	694.7	694.3	695.9	699.9	701.9	705.0	701.5	693.9	689.6	686.4	688.8
17.5°	718.5	718.5	719.3	723.2	726.0	730.8	726.4	717.3	713.3	709.0	711.4
20°	744.6	745.8	746.6	749.4	754.1	758.9	755.3	746.2	741.8	736.3	739.1
22.5°	779.0	777.9	778.3	783.0	789.7	794.5	791.7	781.0	773.5	769.2	770.7
25°	817.4	817.1	818.2	825.4	832.9	838.0	834.1	820.2	812.7	805.2	808.3
27.5°	864.6	864.9	865.7	874.5	886.3	893.8	884.0	870.1	859.8	849.9	852.3
30°	920.4	919.6	922.0	933.8	951.2	963.1	951.6	932.2	917.6	908.1	909.3
32.5°	979.7	980.5	986.9	1005.9	1028.8	1049.8	1026.5	1000.7	981.7	963.9	966.3
35°	1043.9	1045.9	1060.1	1088.2	1125.8	1153.9	1121.5	1079.1	1052.2	1029.2	1030.0
37.5°	1119.5	1124.2	1144.0	1186.0	1239.8	1277.4	1229.9	1173.7	1138.9	1110.4	1108.4
40°	1218.8	1224.4	1251.3	1301.2	1366.5	1400.9	1345.9	1288.1	1245.0	1214.1	1209.3
42.5°	1332.9	1340.0	1369.3	1420.3	1485.7	1509.0	1455.2	1406.5	1367.7	1331.3	1329.7
45°	1461.5	1465.5	1489.2	1528.4	1575.5	1581.1	1540.7	1513.8	1474.6	1440.5	1437.8
47.5°	1582.2	1586.2	1602.4	1622.6	1633.7	1613.9	1606.8	1594.9	1544.2	1502.3	1493.6
50°	1674.1	1677.3	1697.4	1705.4	1674.5	1632.5	1646.4	1621.0	1566.0	1518.9	1505.4
52.5°	1667.7	1675.7	1727.5	1772.7	1753.3	1719.2	1682.0	1627.4	1541.9	1477.3	1460.7
55°	1435.8	1446.5	1557.7	1706.1	1838.8	1853.4	1704.6	1528.4	1367.7	1273.1	1256.1
57.5°	922.7	925.5	1061.3	1269.5	1568.4	1662.6	1413.6	1152.3	952.4	848.3	841.2
60°	339.3	333.7	436.2	608.8	903.3	1003.1	832.1	582.7	415.7	342.0	336.1
62.5°	81.5	82.3	102.1	153.2	283.4	350.7	277.1	154.8	98.6	82.7	81.9
65°	41.2	40.4	40.8	43.9	60.6	72.4	59.4	42.0	40.4	40.8	40.4
67.5°	26.5	26.1	26.9	27.3	26.9	25.3	24.9	25.7	25.7	26.1	25.3
70°	16.2	15.8	16.6	17.8	17.0	15.0	15.8	16.6	15.8	15.4	15.4
72.5°	8.7	8.7	9.5	10.3	9.5	8.7	8.7	9.1	8.7	8.7	8.7
75°	4.0	4.0	4.4	4.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0
77.5°	1.2	1.2	1.6	1.6	1.2	1.2	1.2	1.2	1.6	1.6	1.6
80°	0.4	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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)