

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: P630313

Luminaire Tested: GWS-SA1D-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630313
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-SA1D-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3704.9 lumens
Efficiency: N/A
Efficacy: 83.6 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

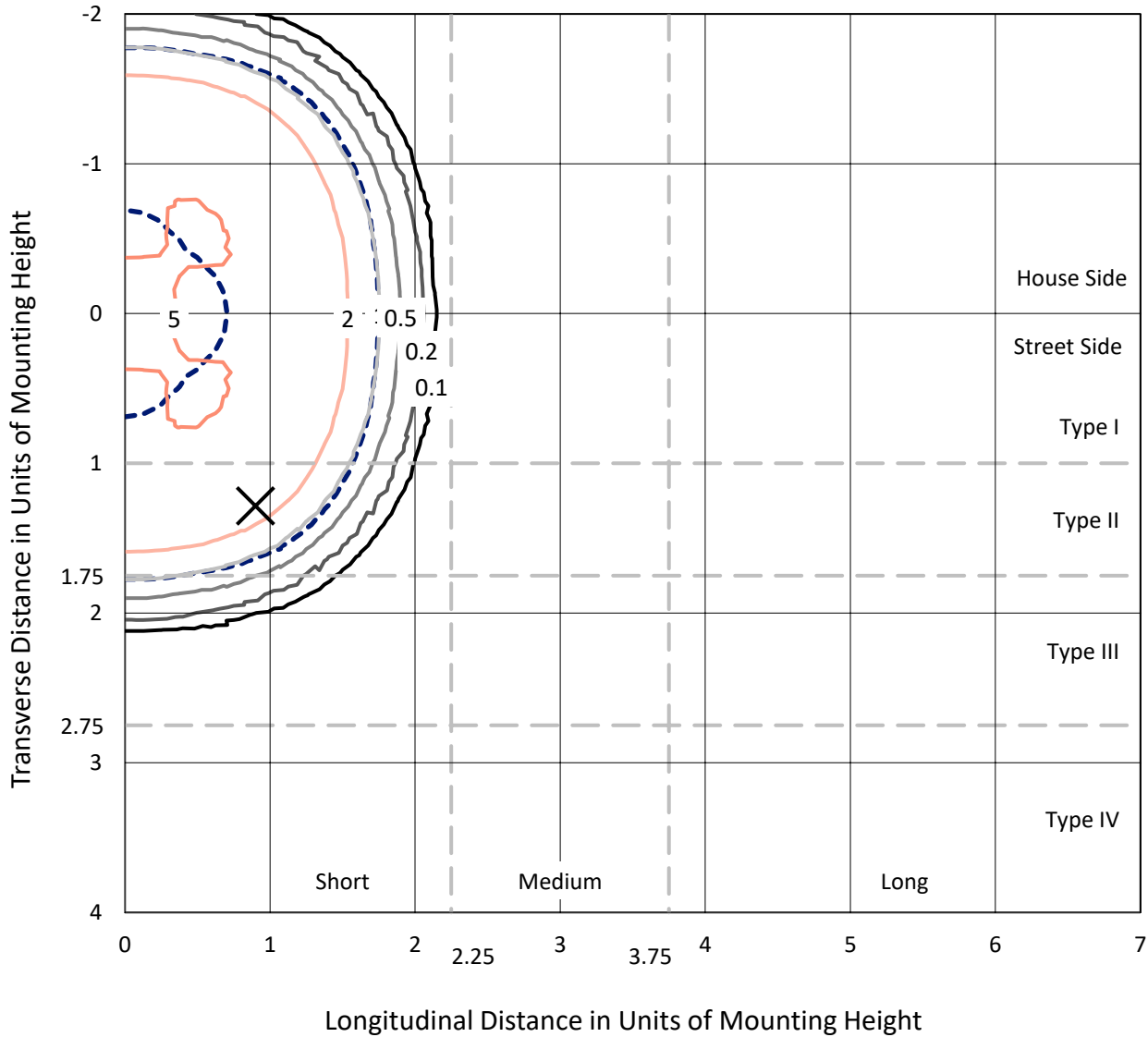
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

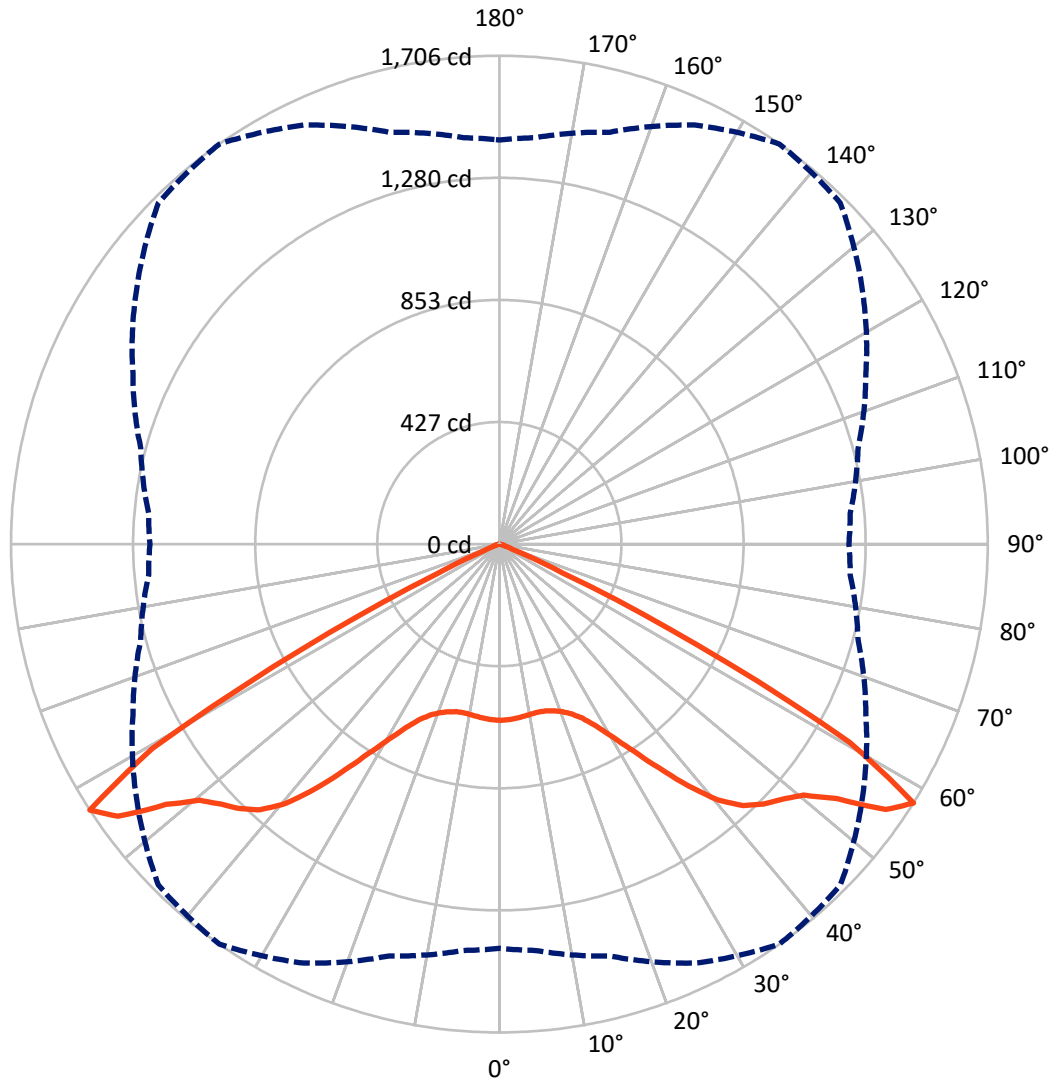
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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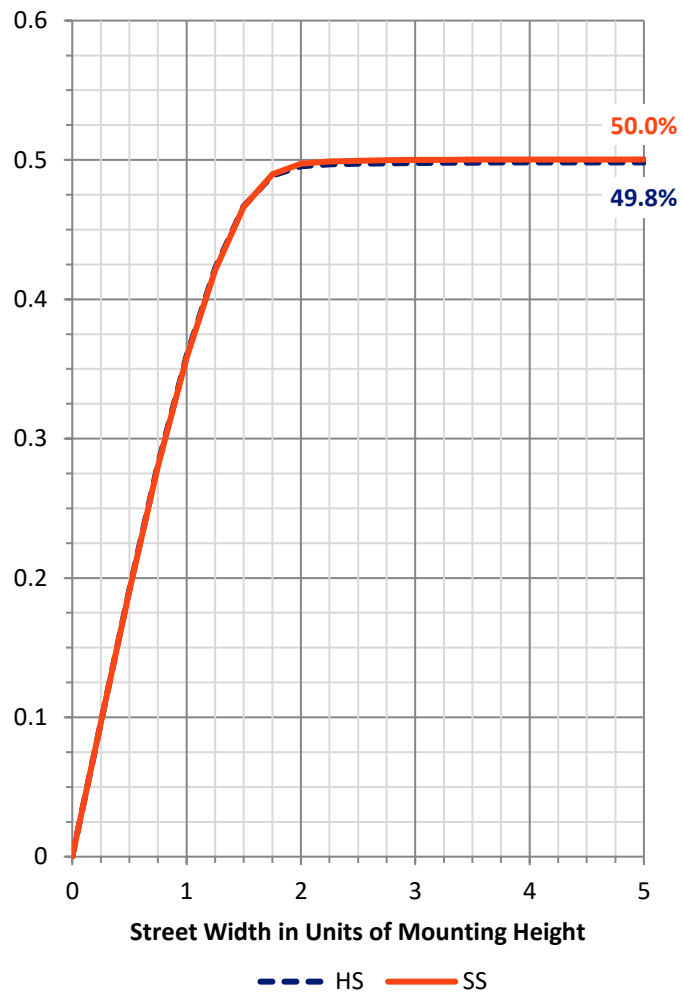
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1852.4	0.0	1852.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1852.4	0.0	1852.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3704.9	0.0	3704.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.6
10°-20°	170.7	4.6
20°-30°	308.6	8.3
30°-40°	575.7	15.5
40°-50°	965.7	26.1
50°-60°	1275.3	34.4
60°-70°	338.7	9.1
70°-80°	12.0	0.3
80°-90°	0.2	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°	3704.9	100.0
0°-180°	3704.9	100.0

Coefficient of Utilization



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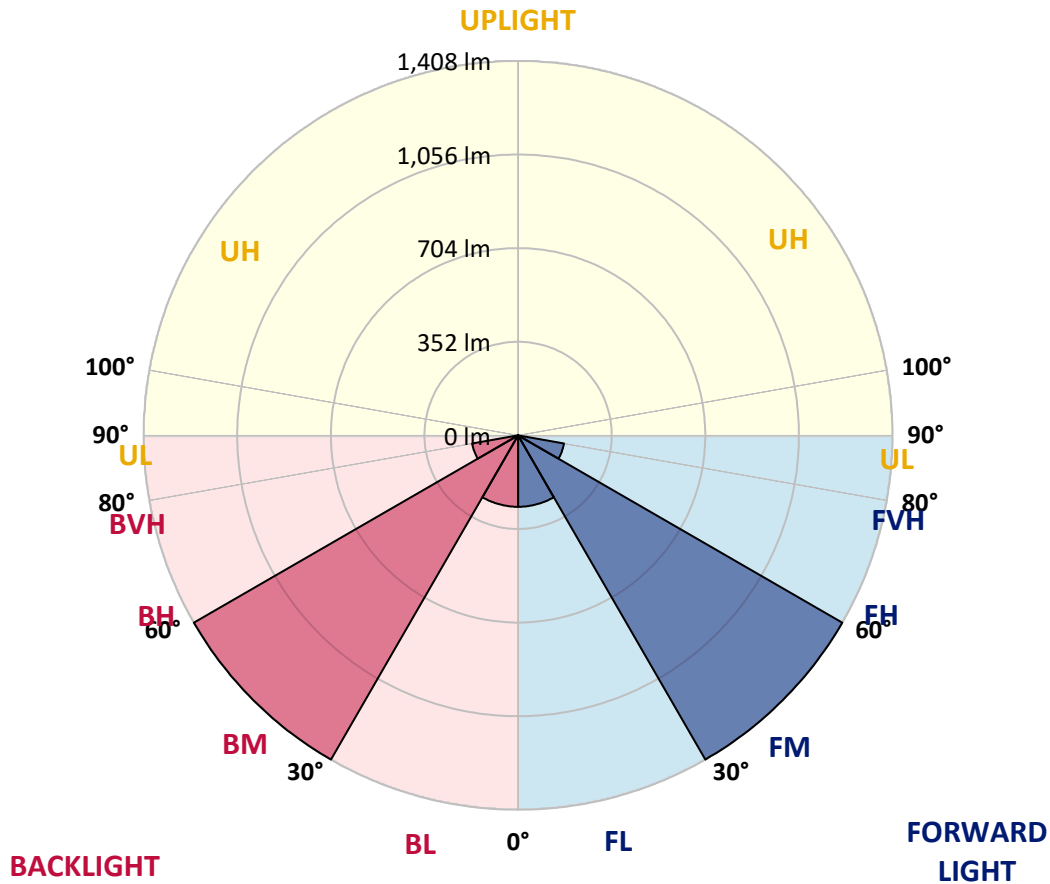
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.7	7.3			
FM (30°-60°)	1408.3	38.0			
FH (60°-80°)	175.4	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	268.7	7.3	B1/500		
BM (30°-60°)	1408.3	38.0	B2/2500		
BH (60°-80°)	175.4	4.7	B1/500		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°	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
2.5°	611.6	611.2	612.9	614.2	614.2	617.3	616.4	615.5	614.7	613.4	616.4
5°	610.8	610.3	611.6	612.5	611.6	614.2	612.5	610.8	609.9	608.1	611.6
7.5°	606.8	607.3	608.1	609.0	607.7	609.9	607.7	605.1	602.9	601.2	604.2
10°	600.8	601.2	602.1	603.8	604.2	607.3	604.2	599.5	596.4	593.8	596.8
12.5°	597.7	598.2	599.5	601.6	602.1	606.0	602.1	595.1	590.8	587.7	590.8
15°	598.6	599.5	601.2	603.8	604.7	608.6	603.4	594.2	588.2	584.2	586.8
17.5°	601.6	602.5	605.1	609.5	612.5	616.4	609.9	598.2	589.9	584.2	586.8
20°	605.5	606.8	611.2	618.1	624.7	631.6	623.4	607.3	596.4	589.5	591.6
22.5°	616.4	617.7	623.8	632.9	643.8	652.5	642.5	622.1	607.3	598.2	600.3
25°	638.6	639.9	647.7	659.4	673.4	684.7	672.0	646.4	627.3	616.8	617.7
27.5°	673.4	674.7	683.8	700.3	719.0	735.1	716.8	686.8	665.1	652.9	652.9
30°	717.3	719.0	731.2	753.3	782.5	803.8	779.0	742.5	714.7	698.1	698.6
32.5°	773.8	772.0	789.4	819.8	861.1	889.4	852.9	808.5	774.2	751.2	753.3
35°	846.4	845.9	865.5	906.8	960.7	994.6	951.1	893.7	852.5	829.0	829.4
37.5°	939.8	939.4	962.0	1006.8	1071.5	1099.8	1051.1	992.9	948.5	925.9	928.5
40°	1049.4	1046.8	1066.8	1109.8	1174.6	1192.8	1139.8	1092.8	1050.2	1035.9	1042.9
42.5°	1153.7	1148.0	1159.8	1198.9	1248.9	1251.5	1211.5	1179.3	1150.2	1138.9	1143.3
45°	1237.6	1233.3	1244.1	1266.7	1295.4	1282.4	1263.2	1253.2	1229.8	1217.6	1221.5
47.5°	1300.2	1300.2	1313.2	1327.1	1331.5	1307.6	1310.6	1310.6	1287.2	1268.0	1263.2
50°	1354.1	1358.0	1377.6	1391.9	1377.6	1347.1	1364.5	1361.1	1313.2	1275.0	1265.0
52.5°	1440.2	1444.1	1474.1	1493.6	1477.6	1447.6	1449.7	1406.3	1335.8	1290.6	1275.0
55°	1531.5	1541.0	1584.5	1636.7	1637.1	1606.2	1548.8	1471.9	1386.3	1337.1	1321.1
57.5°	1411.9	1425.0	1489.7	1615.4	1706.2	1684.9	1548.0	1412.8	1297.2	1230.2	1221.1
60°	971.6	994.2	1058.9	1230.6	1405.8	1414.1	1252.4	1100.7	968.1	885.5	887.2
62.5°	410.4	433.4	469.9	611.2	772.0	782.0	703.8	595.1	486.9	427.3	436.4
65°	96.5	103.0	113.9	169.1	245.2	256.5	236.5	184.3	136.1	115.2	117.4
67.5°	42.2	43.0	40.9	43.5	53.9	55.2	53.5	46.9	44.3	45.2	45.2
70°	29.6	30.0	28.3	27.0	25.6	23.9	24.8	27.4	29.6	31.3	30.9
72.5°	18.3	18.7	19.1	19.1	17.8	16.1	17.0	18.7	19.1	19.6	19.1
75°	9.1	9.6	10.4	10.9	10.4	10.0	10.0	10.4	10.4	10.0	10.0
77.5°	1.7	2.2	3.0	3.5	3.5	3.5	3.5	3.5	3.9	3.5	3.5
80°	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)