

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: P630429

Luminaire Tested: GWS-SA1D-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3219.5 lumens
Efficiency: N/A
Efficacy: 72.7 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

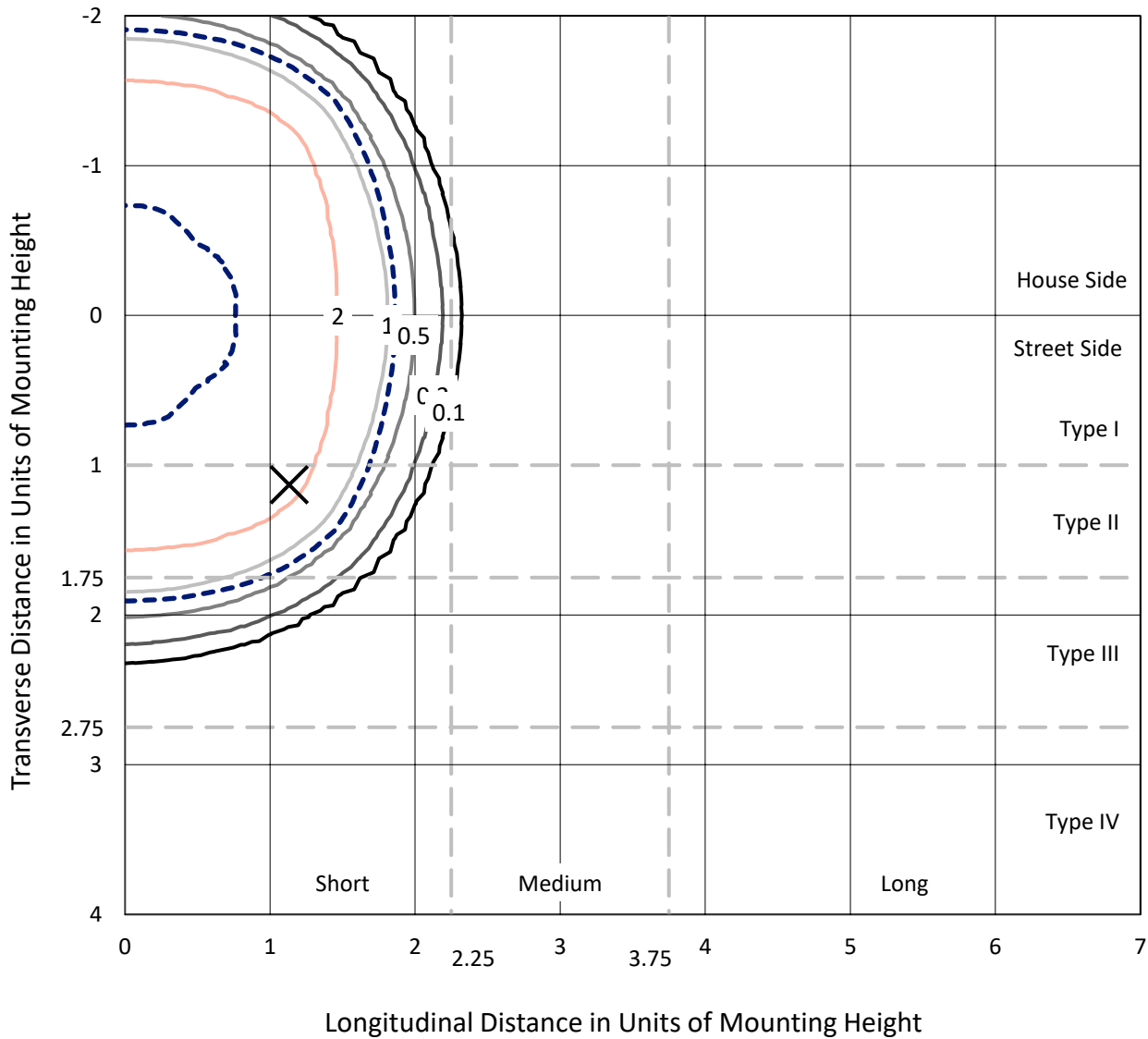
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

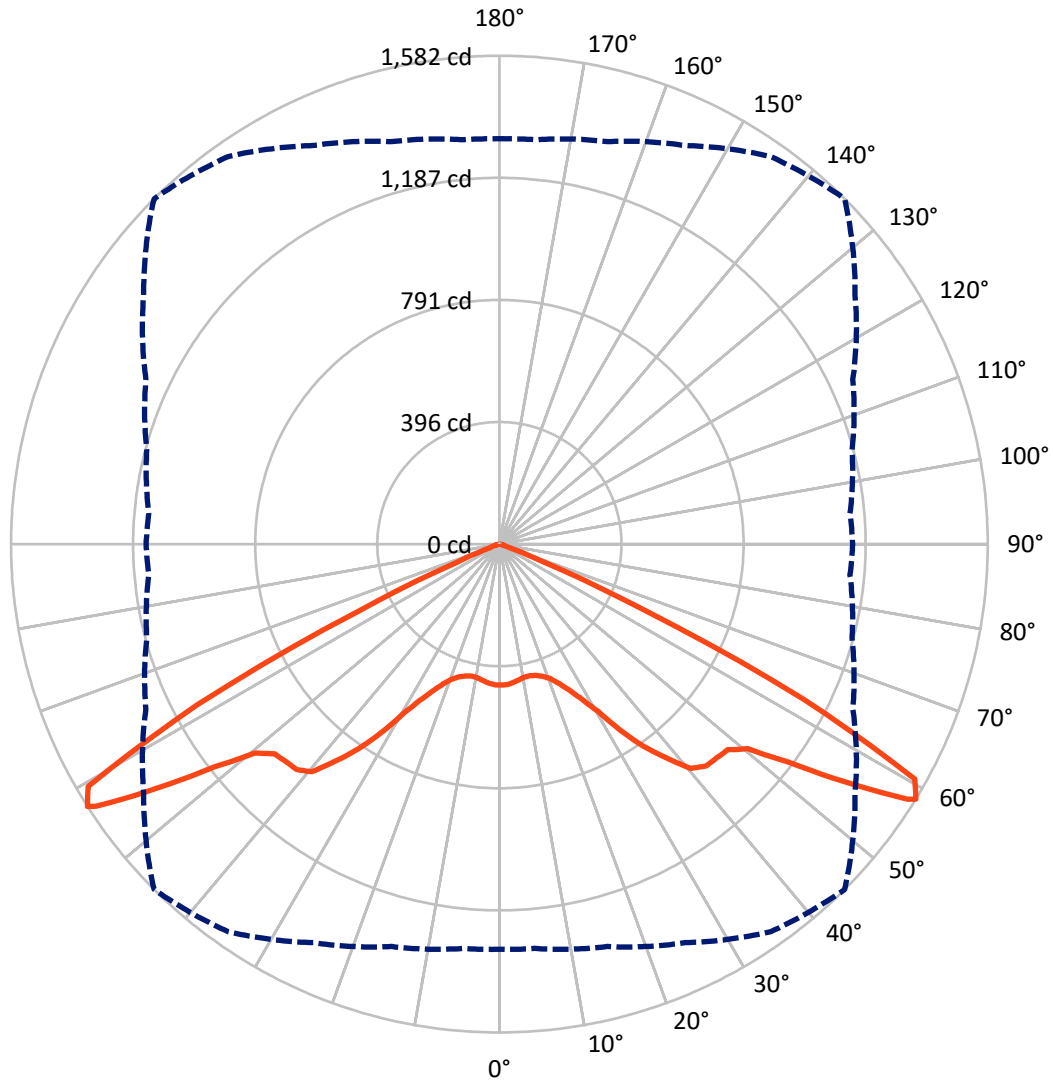
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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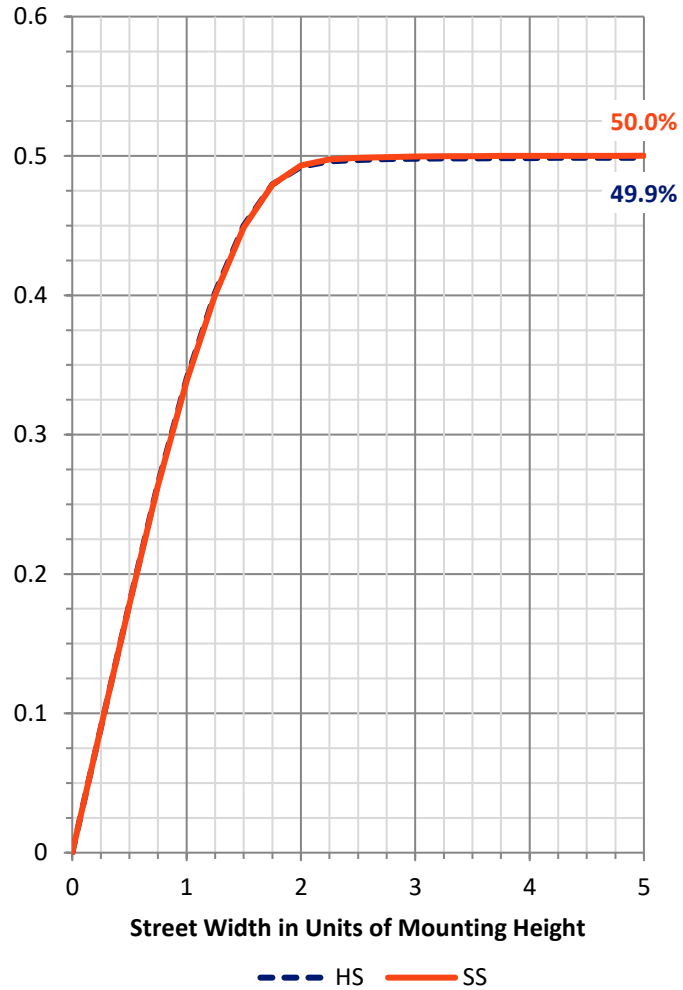
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1609.7	0.0	1609.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1609.7	0.0	1609.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3219.5	0.0	3219.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.3
10°-20°	126.0	3.9
20°-30°	238.4	7.4
30°-40°	470.2	14.6
40°-50°	744.0	23.1
50°-60°	1093.7	34.0
60°-70°	488.2	15.2
70°-80°	16.4	0.5
80°-90°	0.1	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°	3219.5	100.0
0°-180°	3219.5	100.0

Coefficient of Utilization



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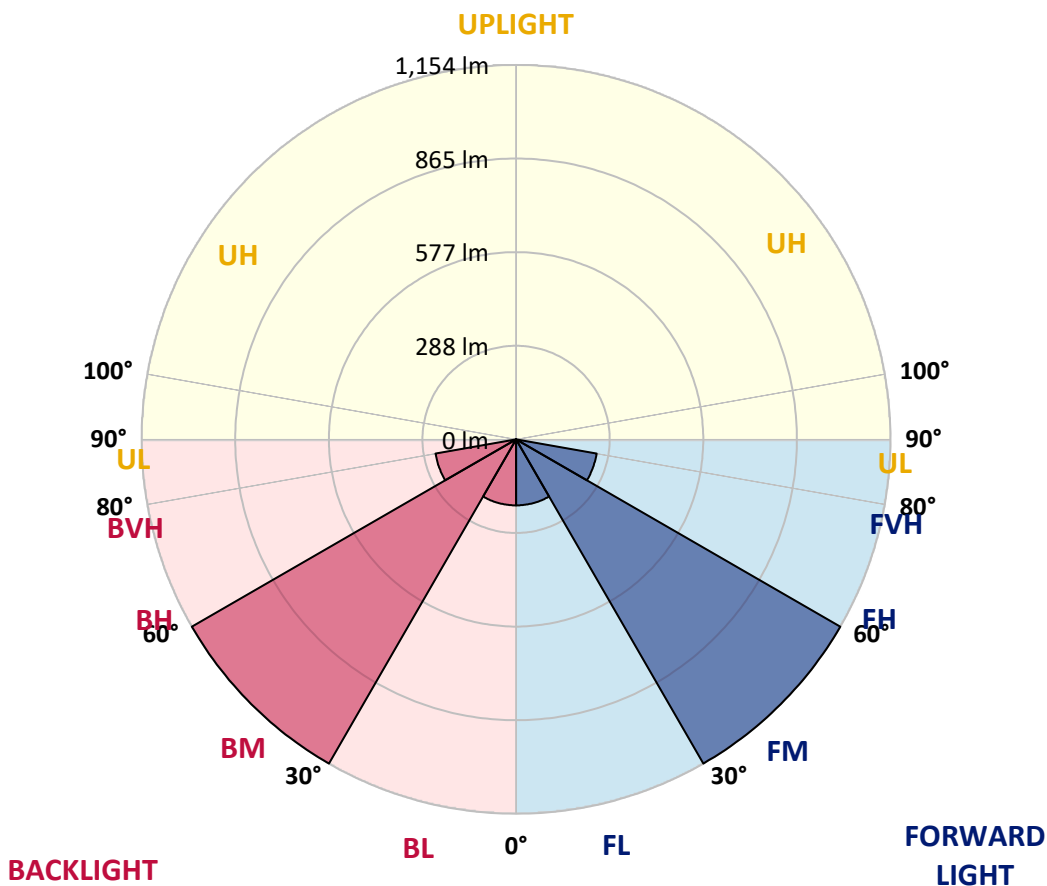
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.5	6.3			
FM (30°-60°)	1153.9	35.8			
FH (60°-80°)	252.3	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	203.5	6.3	B1/500		
BM (30°-60°)	1153.9	35.8	B2/2500		
BH (60°-80°)	252.3	7.8	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°	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6
2.5°	452.2	453.1	453.9	454.4	454.8	456.1	456.6	455.3	455.3	452.6	455.7
5°	450.0	450.9	451.7	451.3	451.3	451.3	450.9	449.1	448.7	446.0	449.1
7.5°	446.0	446.9	446.9	445.6	444.7	444.7	444.3	442.1	441.7	439.0	442.1
10°	443.0	443.4	443.0	440.3	438.6	438.6	438.1	437.3	437.7	436.0	438.6
12.5°	444.7	445.2	443.4	439.9	437.7	437.3	436.0	434.6	436.0	435.5	438.1
15°	450.4	450.9	447.8	443.4	441.7	441.7	438.1	434.6	436.4	436.8	439.9
17.5°	457.4	457.4	453.5	449.6	450.0	450.0	444.3	438.1	438.6	440.3	443.4
20°	465.8	465.8	461.8	461.0	464.0	464.5	457.4	447.8	445.6	446.9	450.4
22.5°	480.7	480.7	477.6	479.8	486.8	489.0	478.5	464.9	459.6	460.5	464.0
25°	503.9	503.9	503.1	508.3	518.4	523.2	509.2	491.2	482.4	481.1	485.1
27.5°	543.0	543.4	542.1	550.0	562.7	568.4	549.1	525.4	514.9	512.7	516.7
30°	593.4	593.4	593.8	604.8	621.5	628.9	603.5	575.9	563.6	556.6	561.8
32.5°	649.5	650.4	654.8	673.2	702.6	718.0	680.7	642.1	622.4	614.9	620.6
35°	742.1	733.8	728.5	742.1	784.6	804.8	757.0	711.8	696.9	696.0	710.5
37.5°	833.8	828.9	818.0	832.0	870.2	879.4	826.7	789.0	778.5	784.2	798.7
40°	906.6	897.8	883.3	896.5	946.5	955.7	890.8	853.5	849.5	862.3	882.0
42.5°	964.0	951.7	932.4	935.5	975.9	982.4	925.0	896.9	899.5	915.3	937.7
45°	989.9	980.2	963.1	961.8	987.3	987.7	942.5	928.0	935.1	947.3	964.9
47.5°	1000.9	996.5	986.8	984.6	999.1	995.6	967.5	961.4	968.0	971.5	981.6
50°	1028.0	1028.0	1029.4	1031.1	1046.0	1042.5	1022.8	1015.8	1007.4	995.2	998.2
52.5°	1104.4	1107.4	1120.1	1134.2	1161.4	1172.8	1140.8	1100.0	1060.1	1033.3	1033.3
55°	1242.1	1245.1	1260.1	1283.7	1333.7	1360.9	1286.4	1196.5	1141.6	1105.2	1110.1
57.5°	1318.0	1321.5	1352.2	1416.2	1513.1	1559.2	1399.1	1265.8	1189.0	1147.3	1150.8
58°	1313.1	1315.3	1350.0	1425.0	1532.9	1582.4	1407.0	1263.6	1182.9	1140.3	1144.7
60°	1166.6	1163.6	1218.8	1325.8	1478.0	1546.5	1328.5	1153.5	1059.6	1016.2	1018.4
62.5°	762.7	764.5	812.3	924.1	1042.5	1107.0	928.0	797.8	722.4	696.0	689.5
65°	318.4	312.7	342.1	404.4	475.4	511.4	439.5	371.9	325.4	307.9	312.7
67.5°	82.0	79.8	81.6	102.2	125.0	147.8	124.1	94.7	82.5	83.3	83.3
70°	46.5	43.9	35.5	32.9	32.0	32.0	32.0	32.0	36.8	43.4	44.7
72.5°	35.1	32.9	25.9	22.4	19.7	18.4	19.3	22.4	26.8	32.5	33.3
75°	17.5	17.5	15.8	14.9	13.2	12.3	12.7	14.0	16.2	18.4	18.0
77.5°	3.5	3.9	4.4	5.3	4.4	4.4	4.4	5.3	5.3	5.7	5.3
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	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	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)