

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: P630264

Luminaire Tested: GWS-SA1D-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630264
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3147.4 lumens
Efficiency: N/A
Efficacy: 71.0 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

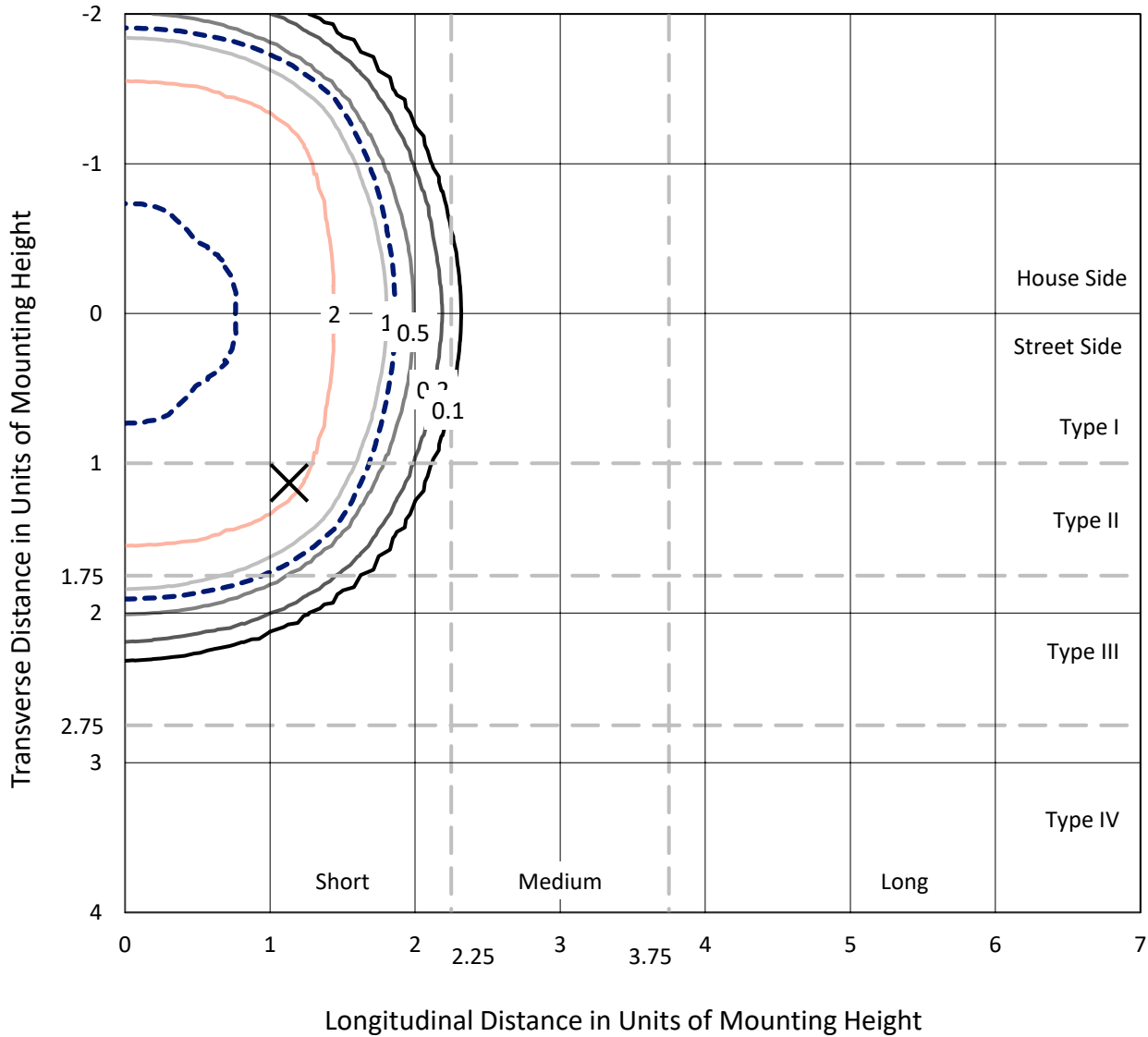
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

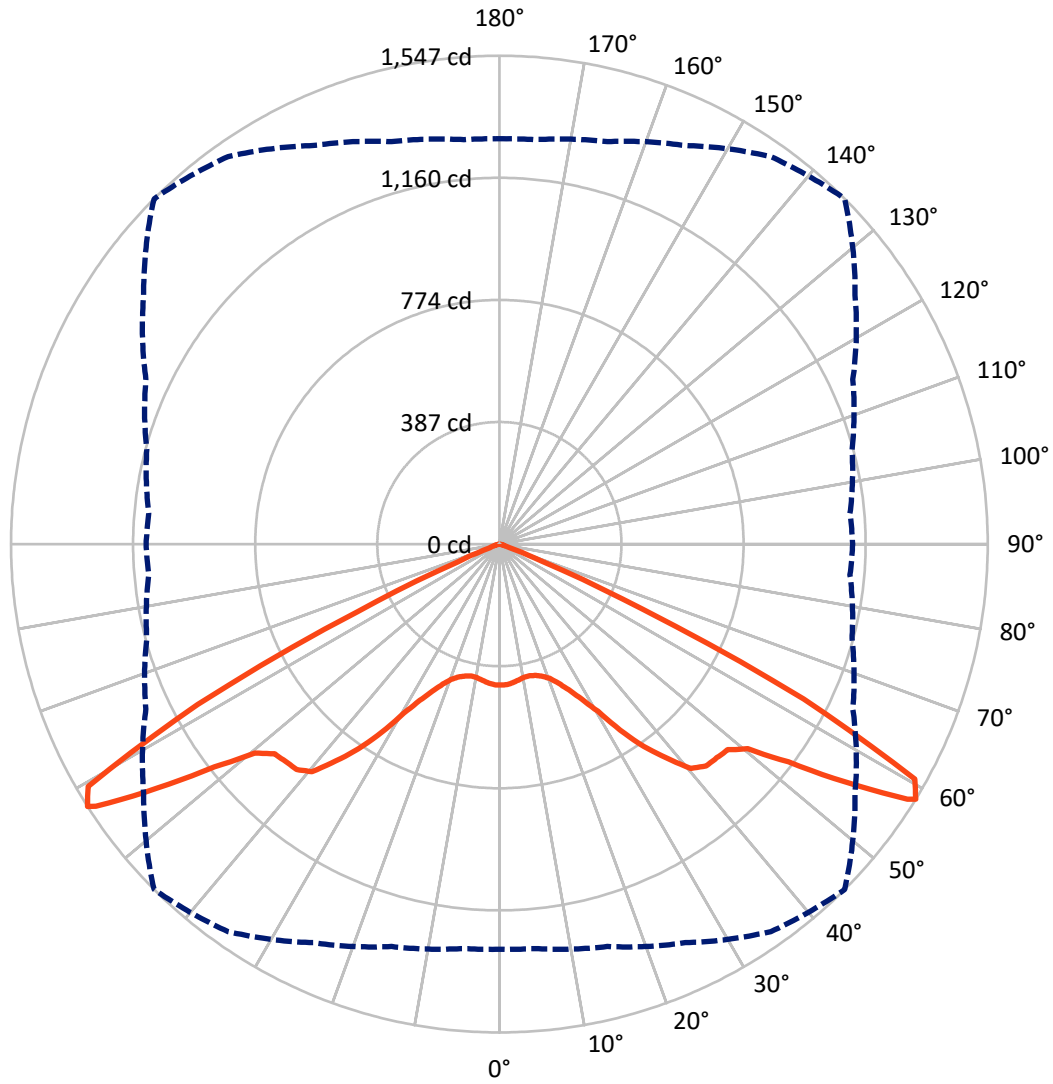
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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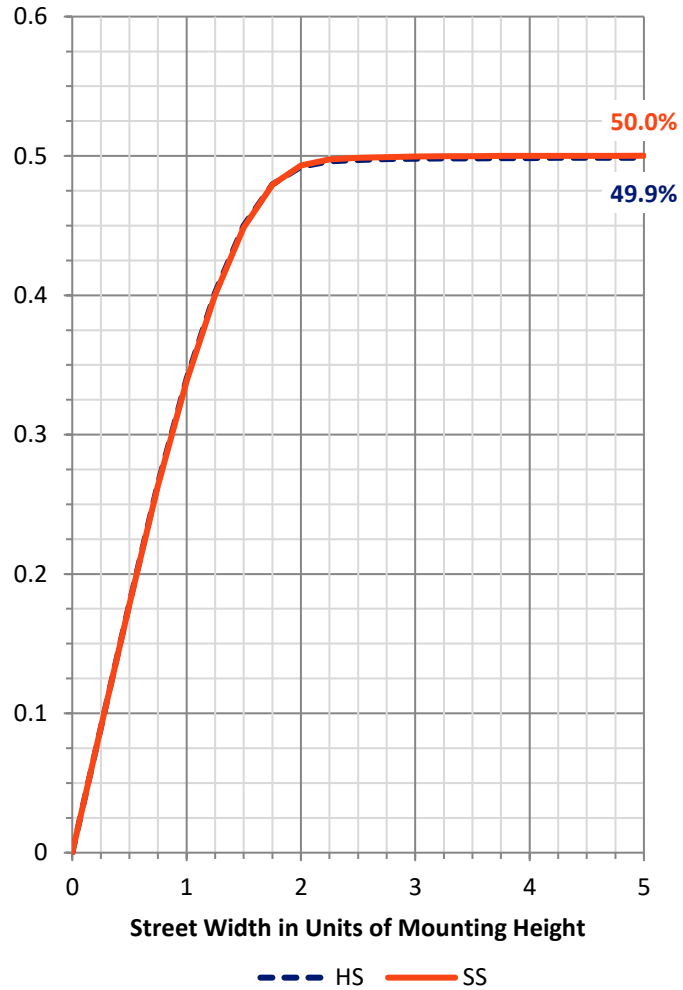
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1573.7	0.0	1573.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1573.7	0.0	1573.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3147.4	0.0	3147.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	1.3
10°-20°	123.2	3.9
20°-30°	233.0	7.4
30°-40°	459.6	14.6
40°-50°	727.4	23.1
50°-60°	1069.2	34.0
60°-70°	477.2	15.2
70°-80°	16.0	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°	3147.4	100.0
0°-180°	3147.4	100.0

Coefficient of Utilization



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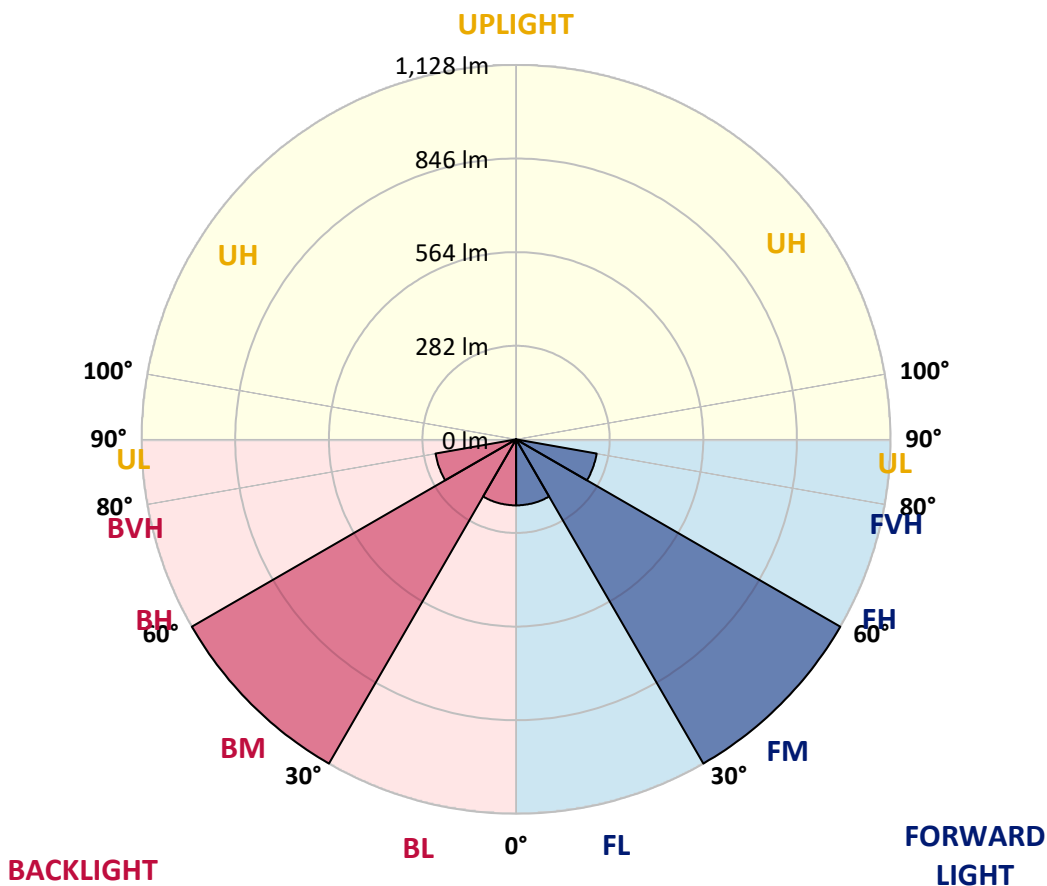
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.0	6.3			
FM (30°-60°)	1128.1	35.8			
FH (60°-80°)	246.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	199.0	6.3	B1/500		
BM (30°-60°)	1128.1	35.8	B2/2500		
BH (60°-80°)	246.6	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°	446.3	446.3	446.3	446.3	446.3	446.3	446.3	446.3	446.3	446.3	446.3
2.5°	442.1	442.9	443.8	444.2	444.6	445.9	446.3	445.1	445.1	442.5	445.5
5°	439.9	440.8	441.6	441.2	441.2	441.2	440.8	439.1	438.6	436.1	439.1
7.5°	436.1	436.9	436.9	435.6	434.8	434.8	434.3	432.2	431.8	429.2	432.2
10°	433.1	433.5	433.1	430.5	428.8	428.8	428.3	427.5	427.9	426.2	428.8
12.5°	434.8	435.2	433.5	430.1	427.9	427.5	426.2	424.9	426.2	425.8	428.3
15°	440.3	440.8	437.8	433.5	431.8	431.8	428.3	424.9	426.6	427.0	430.1
17.5°	447.2	447.2	443.3	439.5	439.9	439.9	434.3	428.3	428.8	430.5	433.5
20°	455.3	455.3	451.5	450.6	453.6	454.1	447.2	437.8	435.6	436.9	440.3
22.5°	469.9	469.9	466.9	469.1	475.9	478.1	467.8	454.5	449.3	450.2	453.6
25°	492.6	492.6	491.8	496.9	506.8	511.5	497.8	480.2	471.6	470.4	474.2
27.5°	530.8	531.2	530.0	537.7	550.1	555.7	536.8	513.7	503.4	501.2	505.1
30°	580.1	580.1	580.5	591.3	607.6	614.8	590.0	563.0	551.0	544.1	549.2
32.5°	635.0	635.9	640.1	658.2	686.9	701.9	665.4	627.7	608.4	601.1	606.7
35°	725.5	717.3	712.2	725.5	767.1	786.8	740.0	695.9	681.3	680.4	694.6
37.5°	815.1	810.4	799.6	813.4	850.7	859.7	808.2	771.3	761.1	766.6	780.8
40°	886.3	877.7	863.5	876.4	925.3	934.3	870.8	834.4	830.5	842.9	862.2
42.5°	942.4	930.4	911.6	914.6	954.0	960.4	904.3	876.8	879.4	894.8	916.7
45°	967.7	958.3	941.6	940.3	965.1	965.6	921.4	907.3	914.1	926.1	943.3
47.5°	978.4	974.2	964.7	962.6	976.7	973.3	945.9	939.9	946.3	949.7	959.6
50°	1005.0	1005.0	1006.3	1008.0	1022.6	1019.2	999.9	993.0	984.9	972.9	975.9
52.5°	1079.6	1082.6	1095.1	1108.8	1135.4	1146.5	1115.2	1075.3	1036.3	1010.2	1010.2
55°	1214.3	1217.3	1231.8	1255.0	1303.9	1330.5	1257.6	1169.7	1116.1	1080.5	1085.2
57.5°	1288.4	1291.9	1321.9	1384.5	1479.2	1524.3	1367.8	1237.4	1162.4	1121.6	1125.1
58°	1283.7	1285.9	1319.7	1393.1	1498.5	1547.0	1375.5	1235.3	1156.4	1114.8	1119.1
60°	1140.5	1137.5	1191.5	1296.2	1444.9	1511.8	1298.7	1127.6	1035.9	993.4	995.6
62.5°	745.6	747.3	794.1	903.4	1019.2	1082.2	907.3	779.9	706.2	680.4	674.0
65°	311.3	305.7	334.4	395.3	464.8	499.9	429.6	363.6	318.1	301.0	305.7
67.5°	80.2	78.0	79.8	99.9	122.2	144.5	121.3	92.6	80.6	81.5	81.5
70°	45.4	42.9	34.7	32.2	31.3	31.3	31.3	31.3	36.0	42.4	43.7
72.5°	34.3	32.2	25.3	21.9	19.3	18.0	18.9	21.9	26.2	31.7	32.6
75°	17.2	17.2	15.4	14.6	12.9	12.0	12.4	13.7	15.9	18.0	17.6
77.5°	3.4	3.9	4.3	5.1	4.3	4.3	4.3	5.1	5.1	5.6	5.1
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)