

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: P629770

Luminaire Tested: GWS-SA1C-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4955 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

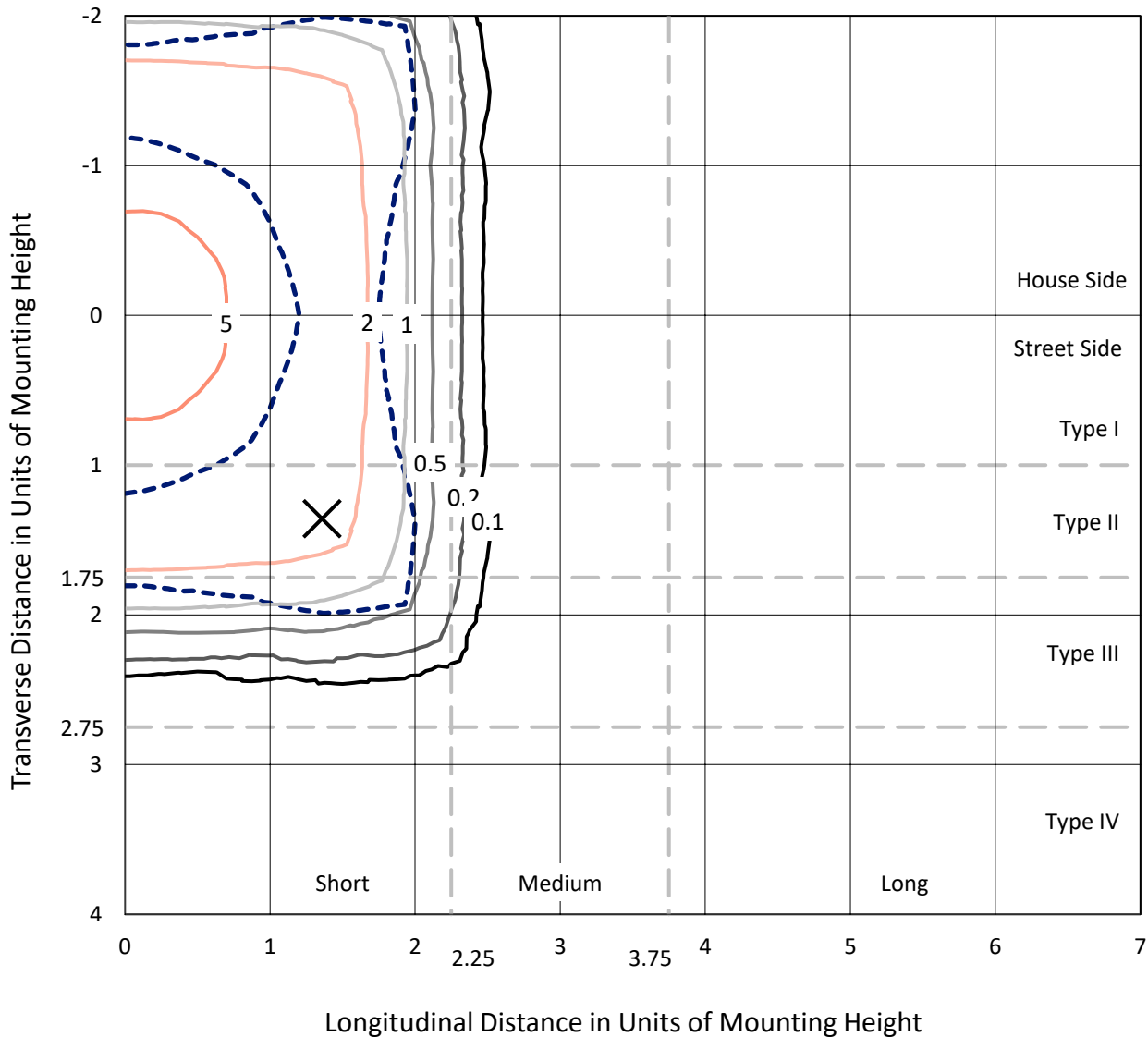
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

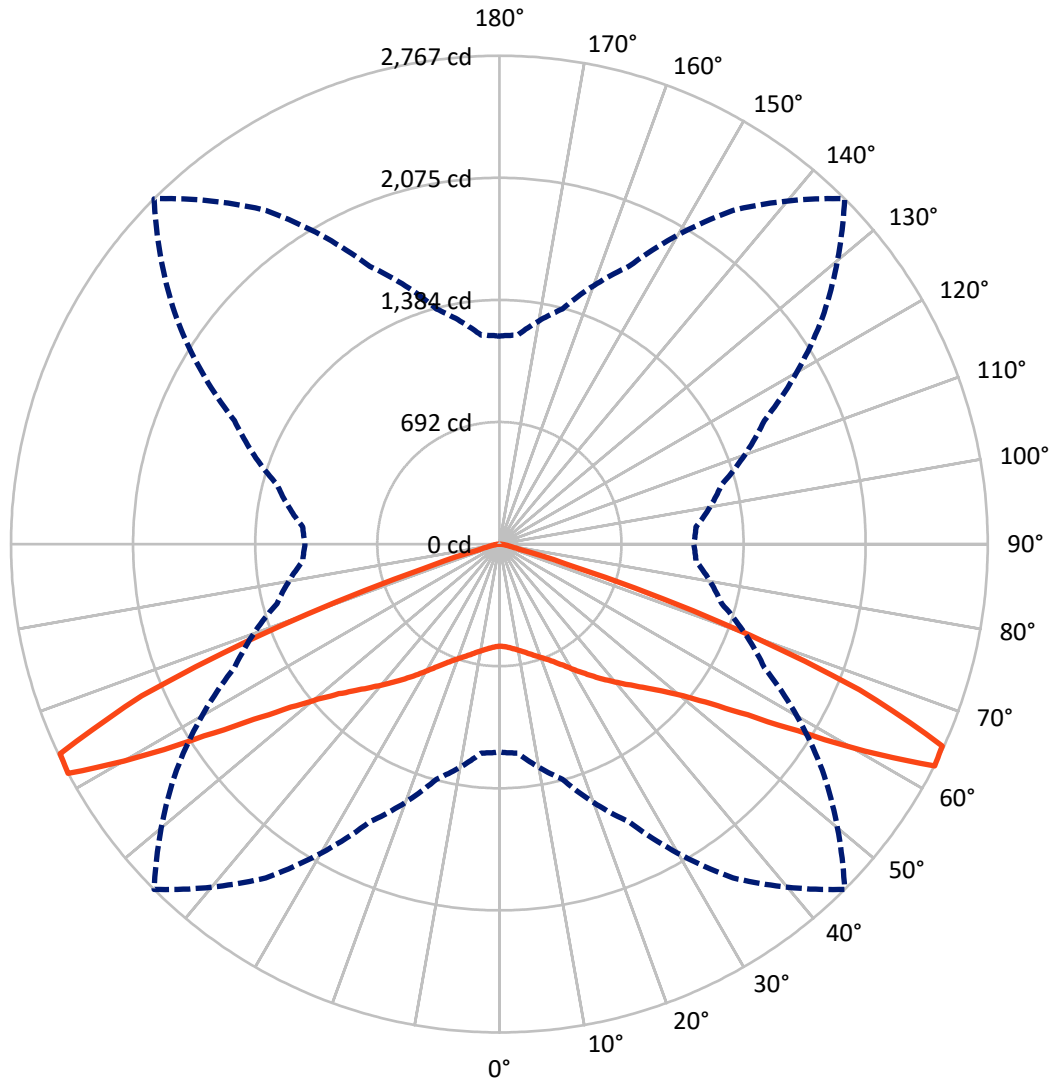
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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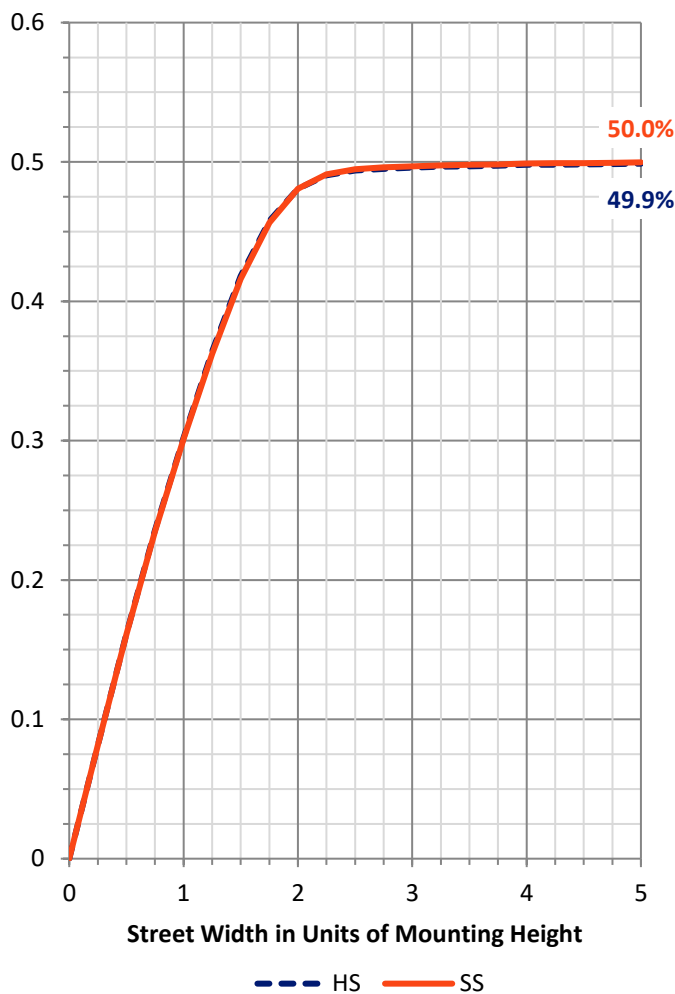
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2477.5	0.0	2477.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2477.5	0.0	2477.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4955.0	0.0	4955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.1
10°-20°	182.9	3.7
20°-30°	346.0	7.0
30°-40°	582.4	11.8
40°-50°	930.5	18.8
50°-60°	1500.0	30.3
60°-70°	1223.8	24.7
70°-80°	118.8	2.4
80°-90°	13.8	0.3
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°	4955.0	100.0
0°-180°	4955.0	100.0

Coefficient of Utilization



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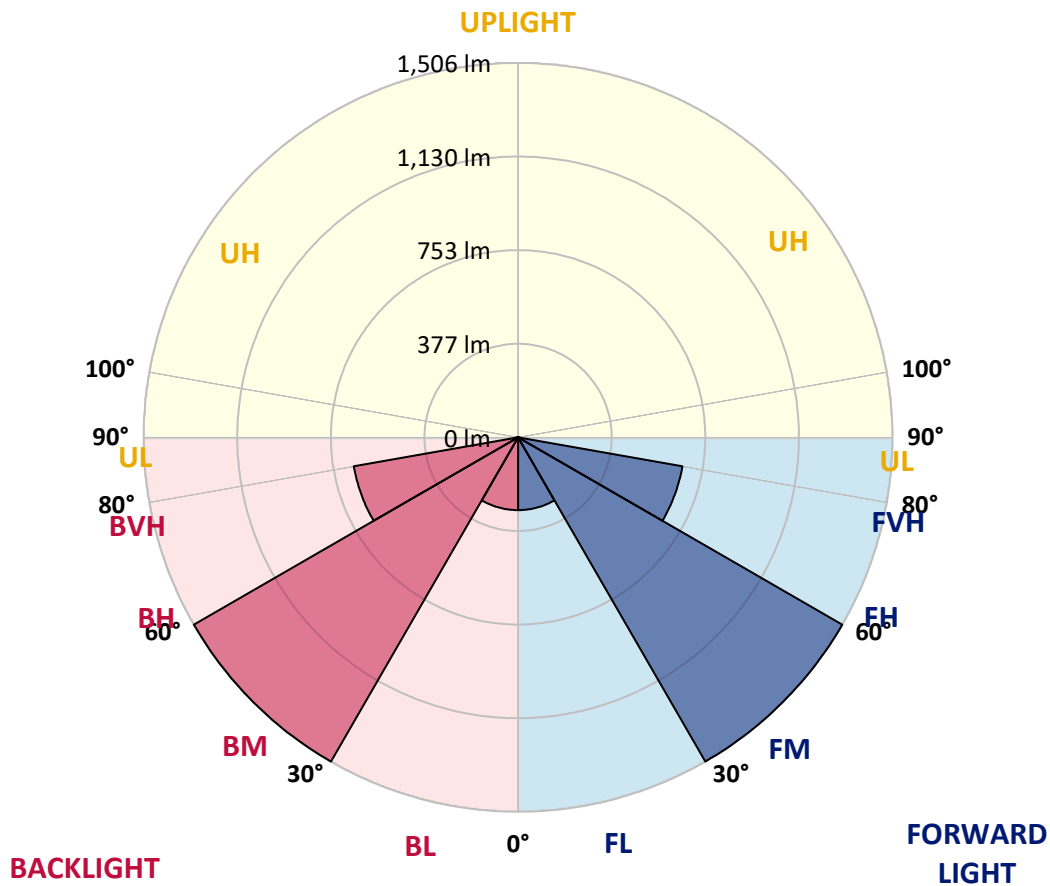
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.8	5.9			
FM (30°-60°)	1506.4	30.4			
FH (60°-80°)	671.3	13.5			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	292.8	5.9	B1/500		
BM (30°-60°)	1506.4	30.4	B2/2500		
BH (60°-80°)	671.3	13.5	B2/1000		G1/1800
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1	578.1
2.5°	577.4	577.4	578.7	579.8	579.1	581.8	581.5	580.8	580.4	579.4	582.5
5°	585.2	585.2	586.2	587.2	585.5	588.9	587.6	586.9	586.6	585.2	587.9
7.5°	594.0	595.1	595.4	597.1	596.1	599.8	598.8	597.4	596.8	595.1	597.4
10°	603.9	604.6	604.9	608.0	608.3	612.7	611.7	610.0	608.7	607.0	610.4
12.5°	617.1	617.5	618.5	622.2	623.3	626.7	626.3	623.9	622.2	619.9	623.6
15°	634.1	634.5	636.2	639.9	641.6	645.7	644.3	640.6	638.2	635.5	638.6
17.5°	651.8	653.2	654.9	658.6	661.0	665.7	664.0	660.0	657.9	655.2	657.3
20°	674.6	674.9	675.9	680.0	681.7	687.2	687.5	683.4	682.4	679.7	682.7
22.5°	699.7	700.1	701.1	705.5	708.6	712.0	714.0	711.6	709.9	706.5	710.3
25°	727.6	731.0	732.0	737.5	740.9	742.9	745.3	744.2	741.9	737.8	739.5
27.5°	766.7	767.4	769.1	775.2	777.2	779.3	781.6	782.0	778.6	773.8	776.2
30°	811.2	810.9	814.6	819.4	821.1	822.8	826.2	828.2	823.8	818.7	821.1
32.5°	856.7	860.8	865.6	870.0	869.0	869.7	875.1	878.8	872.7	863.5	865.6
35°	908.1	910.8	916.9	923.3	922.0	921.0	924.4	928.1	919.6	907.7	910.8
37.5°	960.7	964.8	974.0	981.8	979.8	975.0	978.7	982.8	974.7	961.1	959.7
40°	1019.5	1026.0	1039.2	1045.7	1040.2	1031.1	1037.5	1047.4	1039.2	1023.6	1019.9
42.5°	1088.5	1096.3	1109.6	1119.4	1107.5	1092.6	1103.5	1117.7	1115.7	1095.0	1088.5
45°	1173.8	1178.9	1195.2	1200.0	1182.3	1161.6	1181.3	1203.0	1197.9	1175.5	1167.0
47.5°	1266.6	1274.4	1288.7	1297.5	1269.0	1243.1	1270.7	1299.9	1294.4	1273.4	1263.5
50°	1384.8	1395.0	1413.7	1421.2	1381.8	1352.2	1387.6	1424.6	1414.1	1385.9	1373.0
52.5°	1513.6	1521.8	1553.7	1568.7	1531.7	1499.7	1530.6	1567.0	1544.6	1507.2	1489.9
55°	1627.2	1635.3	1682.2	1731.8	1730.1	1708.0	1723.7	1724.3	1663.5	1601.7	1583.3
57.5°	1651.6	1659.8	1749.2	1879.0	1970.7	1996.2	1950.3	1853.8	1700.6	1592.1	1571.4
60°	1521.1	1530.3	1672.4	1909.6	2211.3	2381.6	2170.2	1851.1	1586.0	1439.2	1419.5
62.5°	1178.6	1188.4	1379.4	1735.6	2308.5	2767.3	2234.1	1656.4	1304.6	1118.8	1101.4
65°	562.8	562.8	805.4	1244.8	2114.8	2758.1	2049.2	1225.5	785.4	603.2	588.3
67.5°	139.3	140.0	207.3	484.6	1438.5	2201.1	1462.0	588.3	276.6	195.7	190.7
70°	87.0	86.7	96.2	131.2	503.3	1335.9	597.8	177.4	112.5	99.2	98.6
72.5°	67.6	67.6	72.4	83.9	131.9	455.0	174.3	98.6	81.6	73.4	73.4
75°	53.4	53.4	56.8	62.9	77.8	117.2	92.8	73.1	63.2	57.8	57.1
77.5°	39.8	40.4	43.2	47.2	53.0	65.9	58.8	55.1	49.3	45.2	43.8
80°	25.8	26.8	30.2	32.6	34.7	43.5	38.4	40.1	37.4	32.6	31.9
82.5°	13.9	14.3	18.4	19.0	19.7	23.8	24.5	25.5	26.5	20.7	19.4
85°	5.1	5.1	6.1	7.1	7.8	8.5	11.6	14.3	15.0	11.9	11.6
87.5°	1.0	1.0	1.0	0.7	0.7	0.7	2.0	3.7	6.1	4.8	4.8
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)