

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P527367

Luminaire Tested: **GALN-SA2B-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4388 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

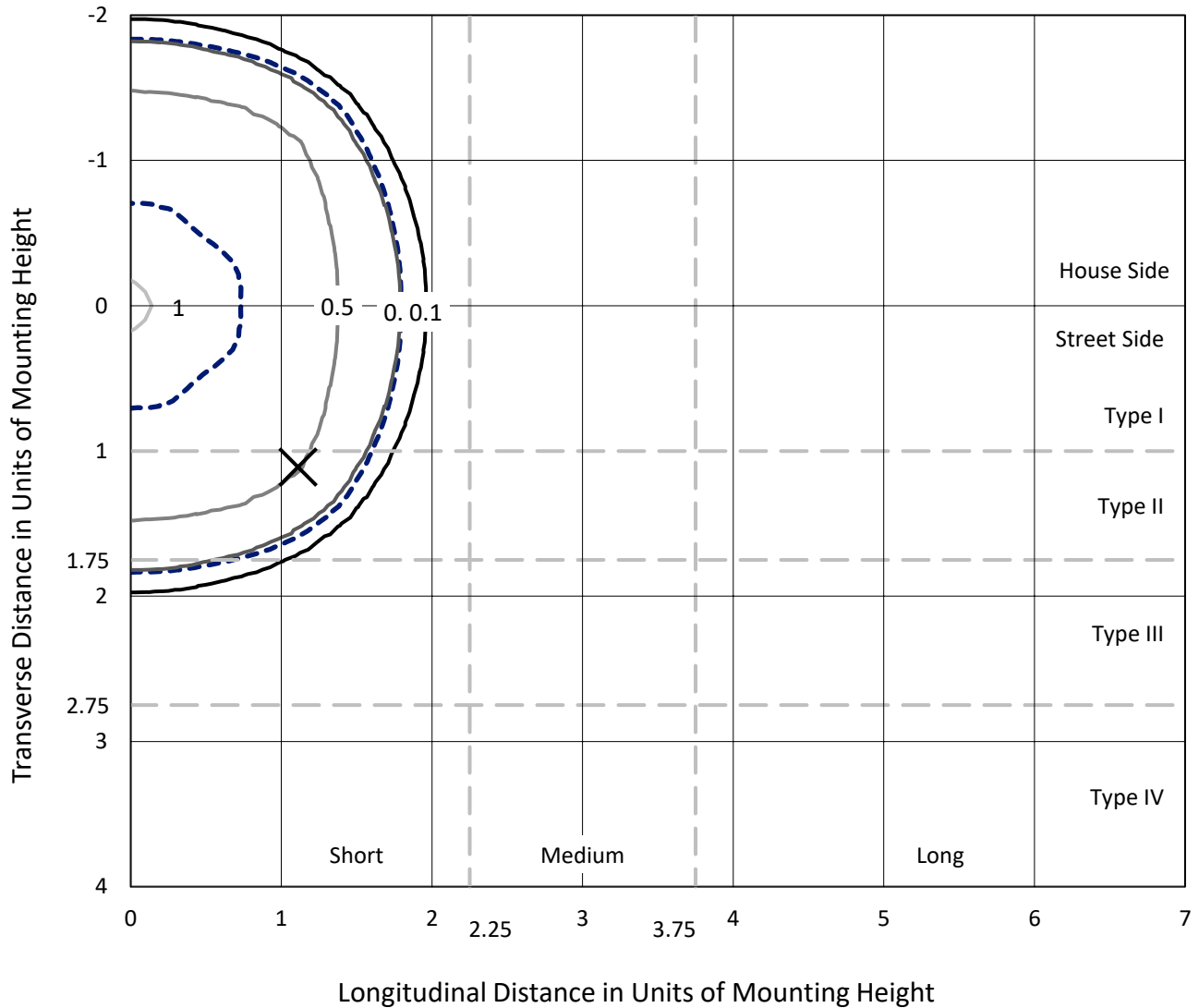
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

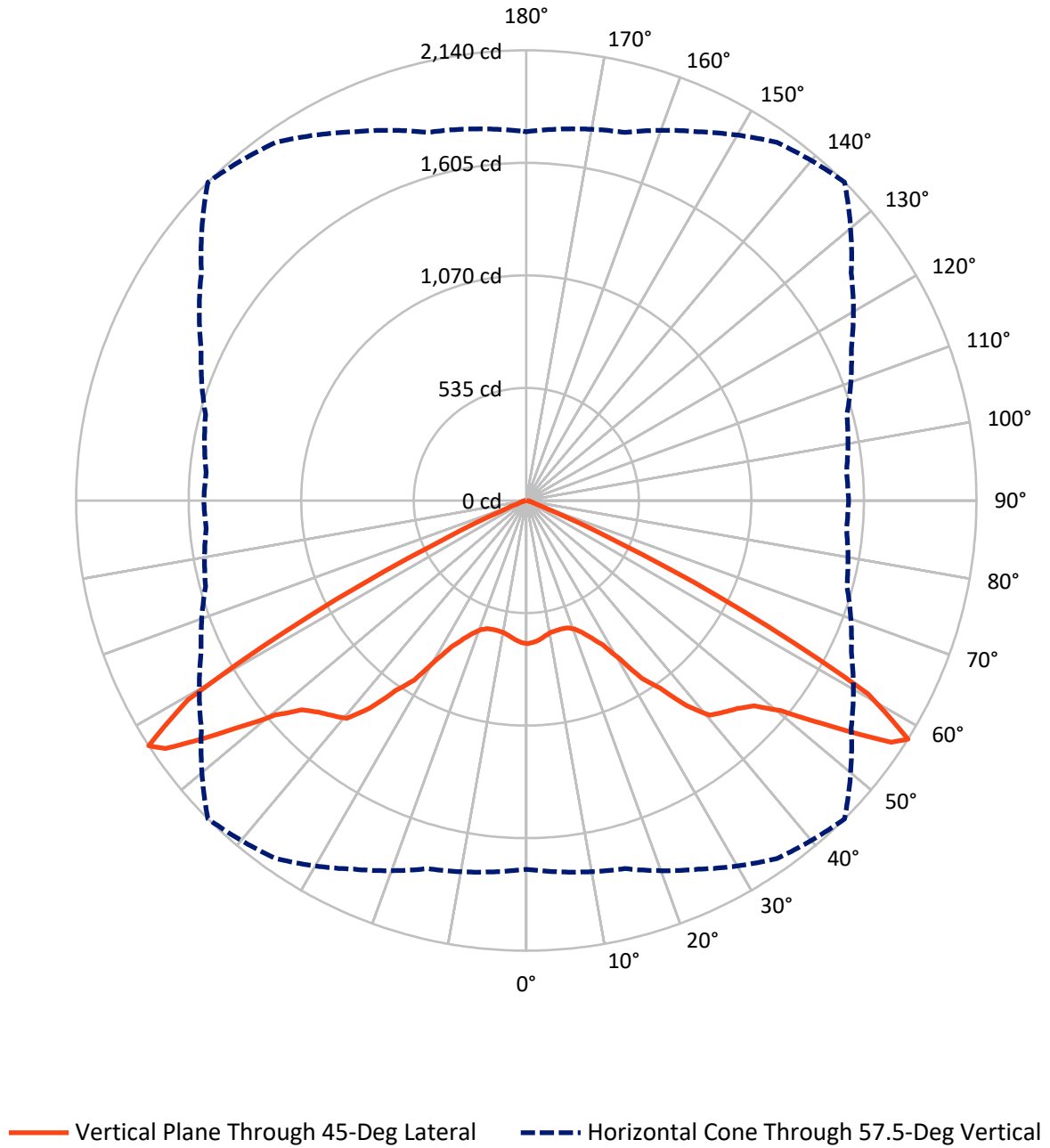
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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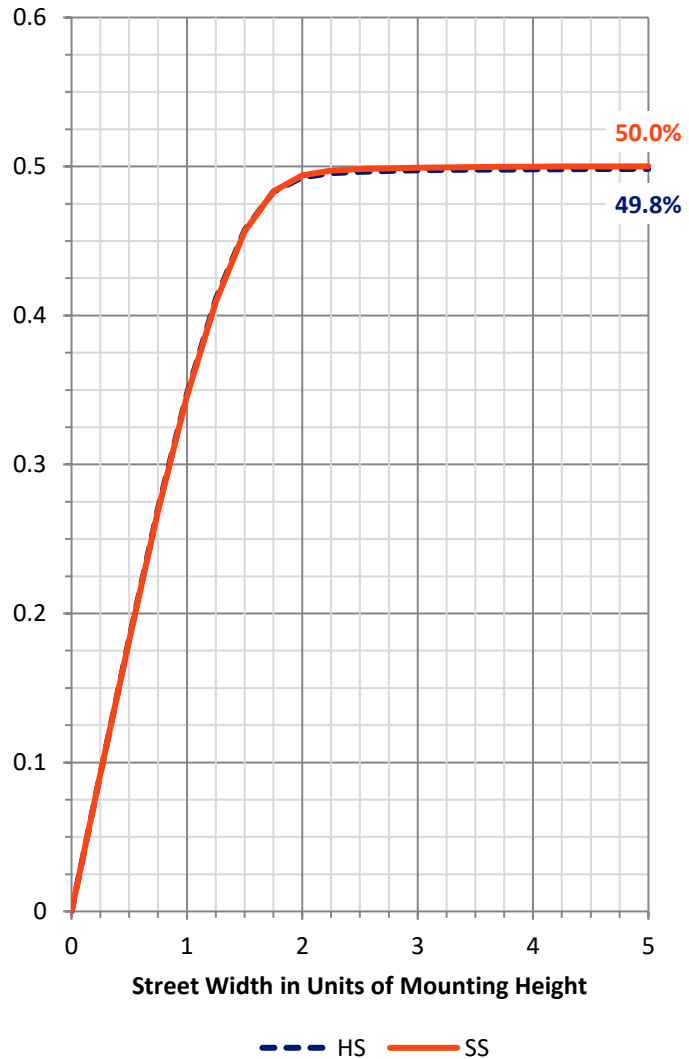
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2194.0	0.0	2194.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2194.0	0.0	2194.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4388.0	0.0	4388.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.4
10°-20°	180.8	4.1
20°-30°	333.7	7.6
30°-40°	656.3	15.0
40°-50°	1068.9	24.4
50°-60°	1524.4	34.7
60°-70°	527.8	12.0
70°-80°	28.3	0.6
80°-90°	5.3	0.1
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°	4388.0	100.0
0°-180°	4388.0	100.0



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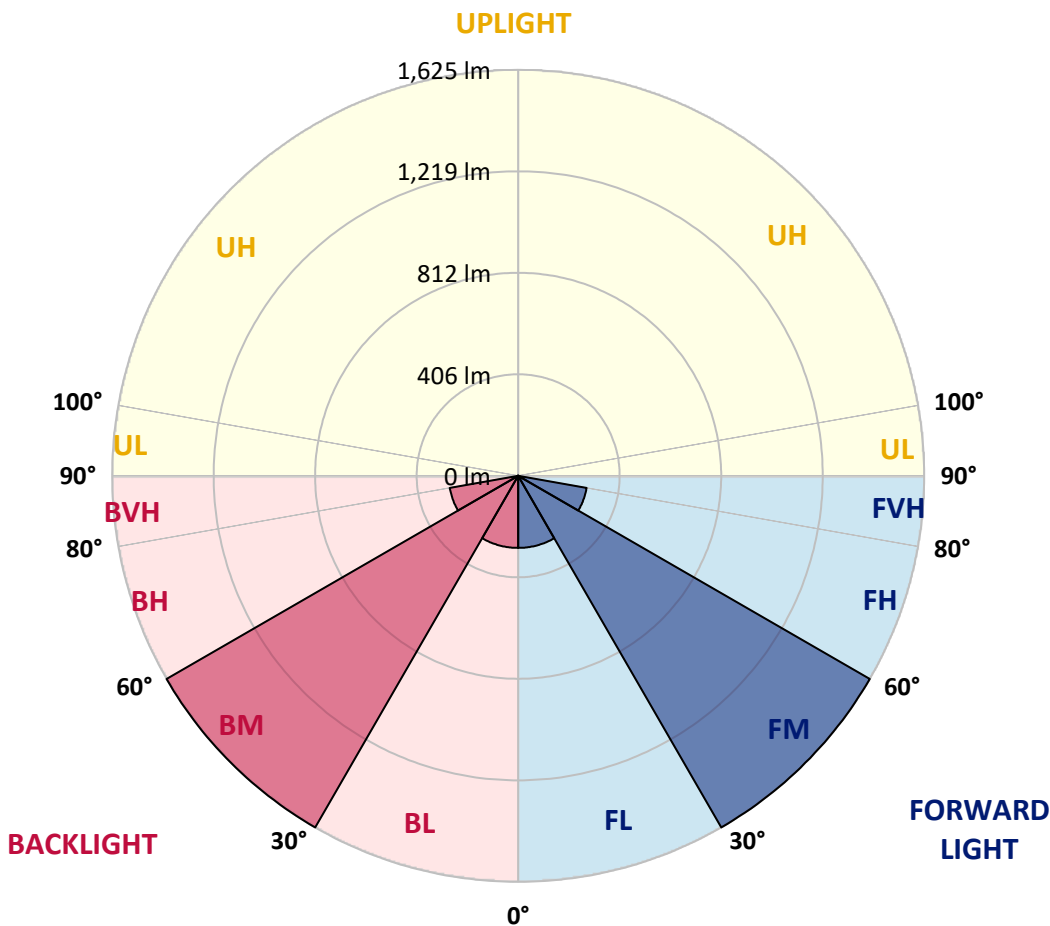
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.5	6.6			
FM (30°-60°)	1624.8	37.0			
FH (60°-80°)	278.0	6.3			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	288.5	6.6	B1/500		
BM (30°-60°)	1624.8	37.0	B2/2500		
BH (60°-80°)	278.0	6.3	B1/500		G0/660
BVH (80°-90°)	2.7	0.1			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°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	678.8	682.5	677.9	676.1	675.1	675.1	672.4	672.4	671.5	672.4	668.7
5°	667.8	671.5	671.5	670.6	665.1	664.2	661.4	659.6	660.5	656.8	659.6
7.5°	656.8	659.6	655.9	655.0	653.2	649.5	648.6	640.4	641.3	641.3	643.1
10°	655.0	654.1	648.6	644.0	638.5	637.6	634.9	633.1	633.1	632.1	634.9
12.5°	655.0	650.4	649.5	639.5	630.3	634.0	626.7	622.1	628.5	630.3	634.0
15°	654.1	658.7	643.1	638.5	632.1	633.1	626.7	622.1	625.7	627.6	630.3
17.5°	659.6	656.8	652.3	643.1	640.4	636.7	628.5	624.8	624.8	629.4	630.3
20°	674.2	666.9	657.8	653.2	655.9	651.4	641.3	627.6	631.2	634.9	637.6
22.5°	687.9	682.5	676.1	673.3	688.9	681.5	664.2	648.6	643.1	649.5	654.1
25°	714.5	714.5	702.6	706.2	723.6	724.5	704.4	677.0	673.3	676.1	677.9
27.5°	768.4	771.2	761.1	764.8	772.1	778.5	761.1	738.3	730.0	729.1	731.9
30°	827.0	832.5	831.6	847.1	868.2	871.8	846.2	808.7	784.0	779.4	783.1
32.5°	903.8	906.6	904.8	923.1	979.8	1006.3	939.5	886.5	853.5	861.8	853.5
35°	1048.4	1045.6	1025.5	1029.2	1075.8	1095.0	1031.0	997.2	981.6	998.1	994.4
37.5°	1172.8	1162.7	1146.3	1170.1	1218.5	1235.9	1169.1	1109.7	1081.3	1108.8	1120.7
40°	1278.0	1252.4	1229.5	1253.3	1318.3	1342.0	1244.2	1195.7	1184.7	1204.8	1230.4
42.5°	1366.7	1350.3	1320.1	1321.9	1364.9	1375.9	1297.2	1268.9	1257.9	1289.9	1302.7
45°	1429.9	1414.3	1385.9	1384.1	1417.1	1409.7	1339.3	1320.1	1326.5	1347.5	1353.9
47.5°	1461.9	1470.1	1453.6	1458.2	1475.6	1458.2	1402.4	1402.4	1387.8	1400.6	1394.2
50°	1554.3	1528.7	1549.7	1549.7	1568.0	1569.8	1514.0	1493.9	1454.6	1432.6	1432.6
52.5°	1662.2	1664.1	1672.3	1702.5	1733.6	1760.1	1680.5	1594.5	1528.7	1500.3	1496.6
55°	1751.0	1769.3	1802.2	1858.9	1948.6	1985.2	1847.9	1694.2	1613.7	1569.8	1560.7
56°	1799.4	1782.1	1838.8	1916.5	2033.6	2081.2	1875.4	1714.4	1625.6	1576.2	1575.3
57.5°	1752.8	1772.0	1811.3	1933.9	2077.6	2139.8	1885.4	1705.2	1578.1	1527.7	1532.3
60°	1384.1	1402.4	1455.5	1592.7	1817.7	1866.2	1595.4	1406.1	1292.6	1220.4	1221.3
62.5°	783.1	796.8	838.0	965.1	1105.1	1151.8	994.4	868.2	789.5	749.2	736.4
65°	288.2	282.7	289.1	354.0	440.0	479.4	413.5	349.5	308.3	293.7	288.2
67.5°	107.9	99.7	93.3	99.7	125.3	132.6	121.7	101.5	95.1	97.9	99.7
70°	66.8	63.1	50.3	47.6	46.7	45.7	48.5	51.2	58.5	68.6	70.4
72.5°	46.7	43.9	35.7	33.8	32.0	31.1	35.7	39.3	45.7	53.1	54.0
75°	18.3	19.2	18.3	20.1	21.0	22.0	25.6	28.4	31.1	31.1	30.2
77.5°	3.7	3.7	5.5	7.3	9.1	11.9	17.4	20.1	21.0	20.1	17.4
80°	0.0	0.0	1.8	3.7	7.3	10.1	15.6	17.4	19.2	17.4	13.7
82.5°	0.0	0.0	1.8	4.6	7.3	9.1	14.6	18.3	21.0	19.2	14.6
85°	0.0	0.0	1.8	3.7	5.5	6.4	6.4	4.6	4.6	2.7	1.8
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)