

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: P527263

Luminaire Tested: **GALN-SA2B-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527263
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-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 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: 5560 lumens
Efficiency: N/A
Efficacy: 67.8 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



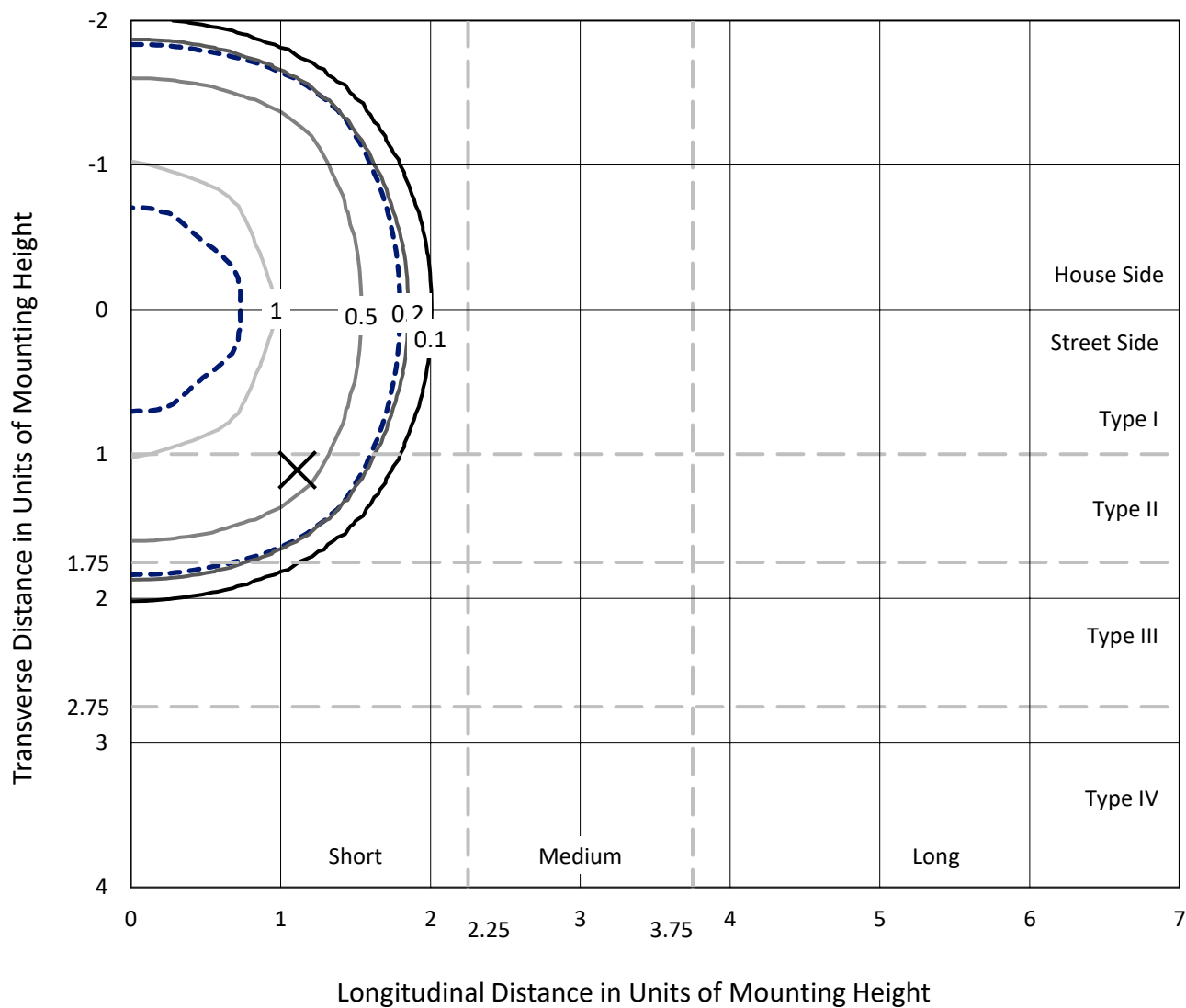
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

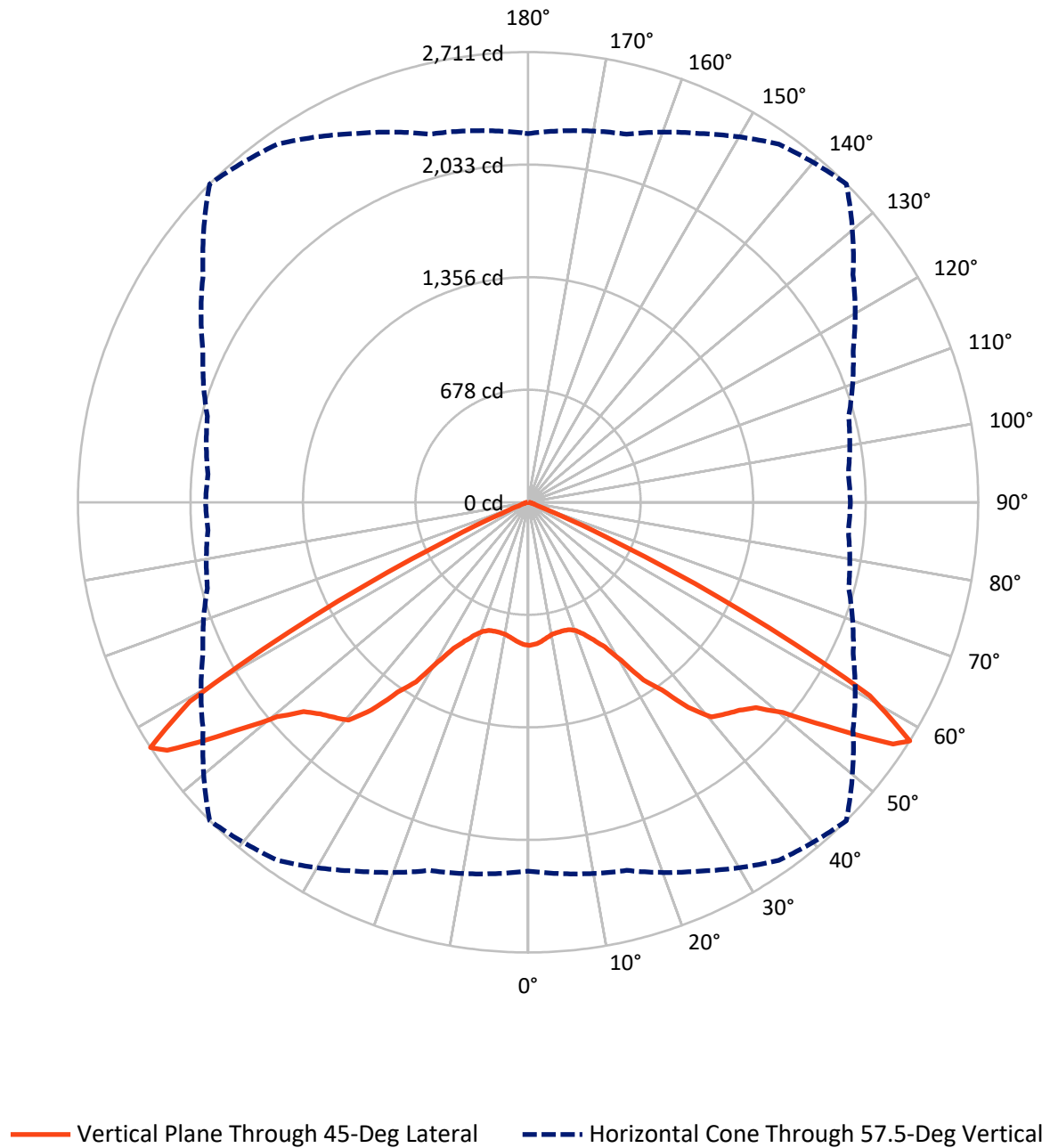


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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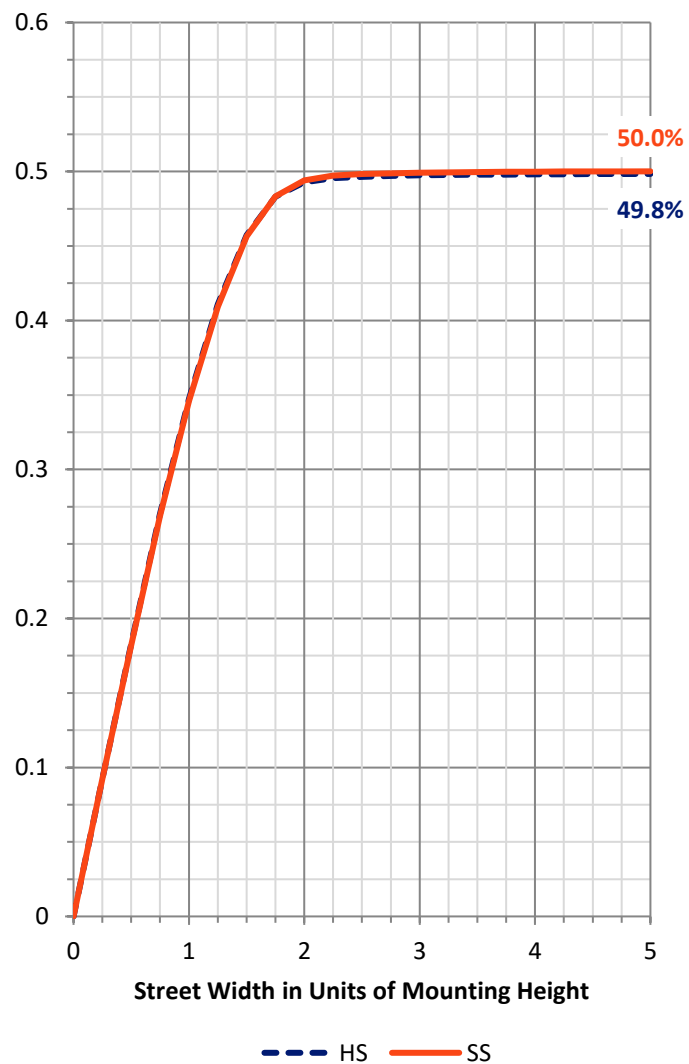
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2780.0	0.0	2780.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2780.0	0.0	2780.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5560.0	0.0	5560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.4
10°-20°	229.1	4.1
20°-30°	422.8	7.6
30°-40°	831.6	15.0
40°-50°	1354.4	24.4
50°-60°	1931.5	34.7
60°-70°	668.7	12.0
70°-80°	35.9	0.6
80°-90°	6.7	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°	5560.0	100.0
0°-180°	5560.0	100.0

Coefficient of Utilization



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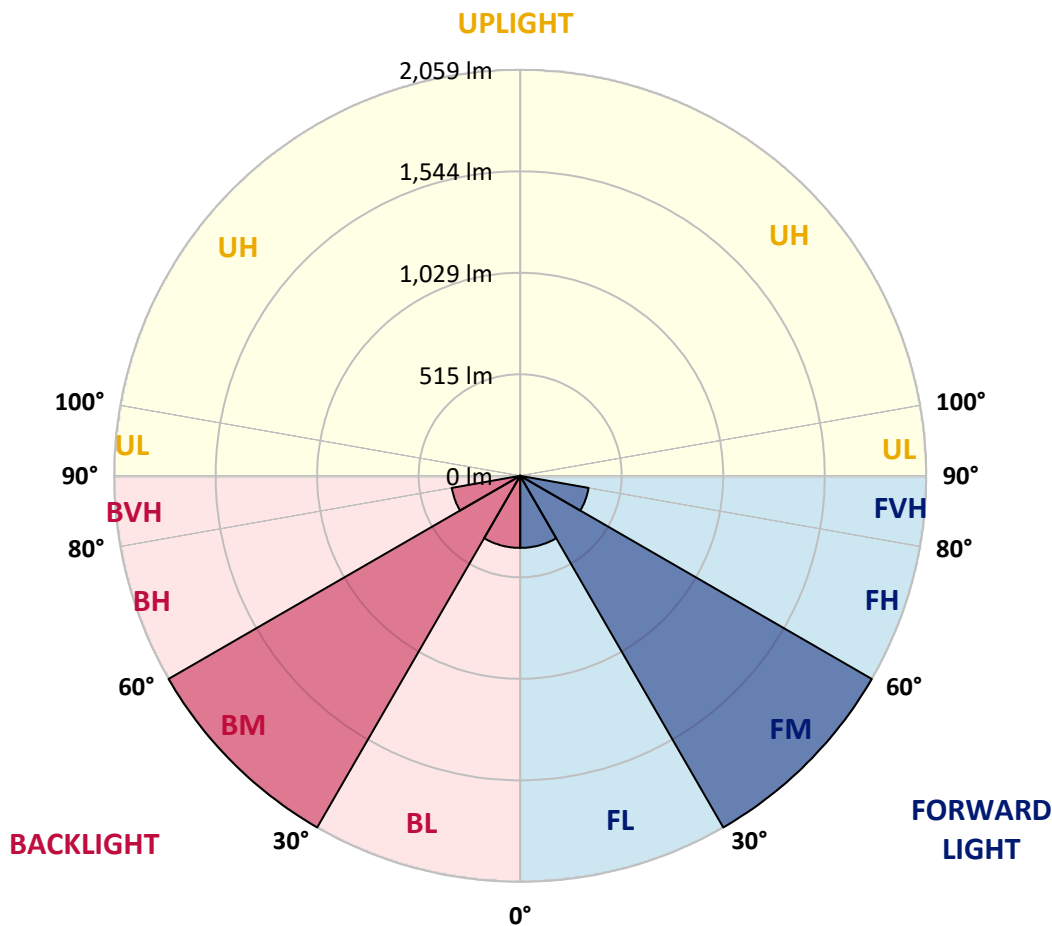
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.6	6.6			
FM	(30°-60°)	2058.7	37.0			
FH	(60°-80°)	352.3	6.3			G0/660
FVH	(80°-90°)	3.4	0.1			G0/10
BL	(0°-30°)	365.6	6.6	B1/500		
BM	(30°-60°)	2058.7	37.0	B2/2500		
BH	(60°-80°)	352.3	6.3	B1/500		G0/660
BVH	(80°-90°)	3.4	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°	862.4	862.4	862.4	862.4	862.4	862.4	862.4	862.4	862.4	862.4	862.4
2.5°	860.1	864.7	858.9	856.6	855.5	855.5	852.0	852.0	850.8	852.0	847.3
5°	846.2	850.8	850.8	849.7	842.7	841.5	838.1	835.8	836.9	832.3	835.8
7.5°	832.3	835.8	831.1	830.0	827.6	823.0	821.8	811.4	812.6	812.6	814.9
10°	830.0	828.8	821.8	816.0	809.1	807.9	804.5	802.1	802.1	801.0	804.5
12.5°	830.0	824.2	823.0	810.3	798.7	803.3	794.0	788.2	796.3	798.7	803.3
15°	828.8	834.6	814.9	809.1	801.0	802.1	794.0	788.2	792.9	795.2	798.7
17.5°	835.8	832.3	826.5	814.9	811.4	806.8	796.3	791.7	791.7	797.5	798.7
20°	854.3	845.0	833.4	827.6	831.1	825.3	812.6	795.2	799.8	804.5	807.9
22.5°	871.7	864.7	856.6	853.1	872.8	863.6	841.5	821.8	814.9	823.0	828.8
25°	905.3	905.3	890.2	894.9	916.9	918.1	892.6	857.8	853.1	856.6	858.9
27.5°	973.7	977.2	964.4	969.1	978.3	986.4	964.4	935.4	925.0	923.8	927.3
30°	1047.9	1054.8	1053.7	1073.4	1100.0	1104.7	1072.2	1024.7	993.4	987.6	992.2
32.5°	1145.2	1148.7	1146.4	1169.6	1241.5	1275.1	1190.5	1123.2	1081.5	1091.9	1081.5
35°	1328.4	1324.9	1299.4	1304.1	1363.2	1387.5	1306.4	1263.5	1243.8	1264.6	1260.0
37.5°	1486.0	1473.3	1452.4	1482.6	1544.0	1566.0	1481.4	1406.1	1370.1	1404.9	1420.0
40°	1619.3	1586.9	1557.9	1588.0	1670.3	1700.5	1576.5	1515.0	1501.1	1526.6	1559.1
42.5°	1731.8	1710.9	1672.7	1675.0	1729.5	1743.4	1643.7	1607.8	1593.8	1634.4	1650.6
45°	1811.8	1792.1	1756.1	1753.8	1795.5	1786.3	1697.0	1672.7	1680.8	1707.4	1715.6
47.5°	1852.3	1862.8	1841.9	1847.7	1869.7	1847.7	1777.0	1777.0	1758.4	1774.7	1766.6
50°	1969.4	1937.0	1963.6	1963.6	1986.8	1989.1	1918.4	1892.9	1843.1	1815.2	1815.2
52.5°	2106.2	2108.5	2118.9	2157.2	2196.6	2230.2	2129.4	2020.4	1937.0	1901.0	1896.4
55°	2218.6	2241.8	2283.5	2355.4	2469.0	2515.4	2341.5	2146.8	2044.8	1989.1	1977.5
56°	2280.1	2258.0	2329.9	2428.4	2576.8	2637.1	2376.3	2172.3	2059.8	1997.2	1996.1
57.5°	2220.9	2245.3	2295.1	2450.5	2632.4	2711.3	2389.0	2160.7	1999.5	1935.8	1941.6
60°	1753.8	1777.0	1844.2	2018.1	2303.2	2364.7	2021.6	1781.6	1637.9	1546.3	1547.5
62.5°	992.2	1009.6	1061.8	1222.9	1400.3	1459.4	1260.0	1100.0	1000.4	949.4	933.1
65°	365.1	358.2	366.3	448.6	557.6	607.4	523.9	442.8	390.6	372.1	365.1
67.5°	136.8	126.3	118.2	126.3	158.8	168.1	154.2	128.7	120.6	124.0	126.3
70°	84.6	80.0	63.8	60.3	59.1	58.0	61.4	64.9	74.2	86.9	89.3
72.5°	59.1	55.6	45.2	42.9	40.6	39.4	45.2	49.8	58.0	67.2	68.4
75°	23.2	24.3	23.2	25.5	26.7	27.8	32.5	35.9	39.4	39.4	38.3
77.5°	4.6	4.6	7.0	9.3	11.6	15.1	22.0	25.5	26.7	25.5	22.0
80°	0.0	0.0	2.3	4.6	9.3	12.8	19.7	22.0	24.3	22.0	17.4
82.5°	0.0	0.0	2.3	5.8	9.3	11.6	18.5	23.2	26.7	24.3	18.5
85°	0.0	0.0	2.3	4.6	7.0	8.1	8.1	5.8	5.8	3.5	2.3
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)