

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: P527157

Luminaire Tested: **GALN-SA2A-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5021 lumens
Efficiency: N/A
Efficacy: 79.7 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): 63
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

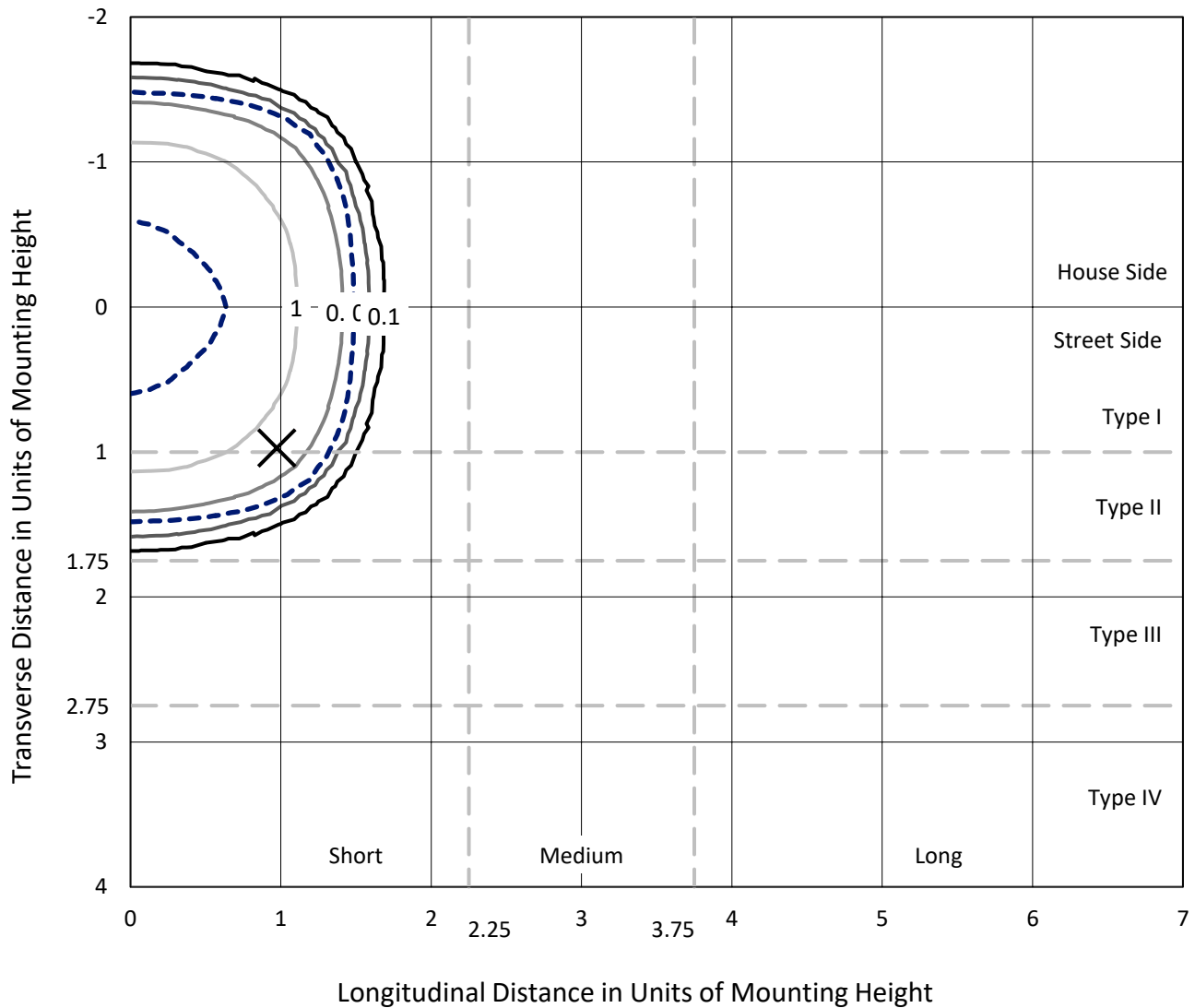


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

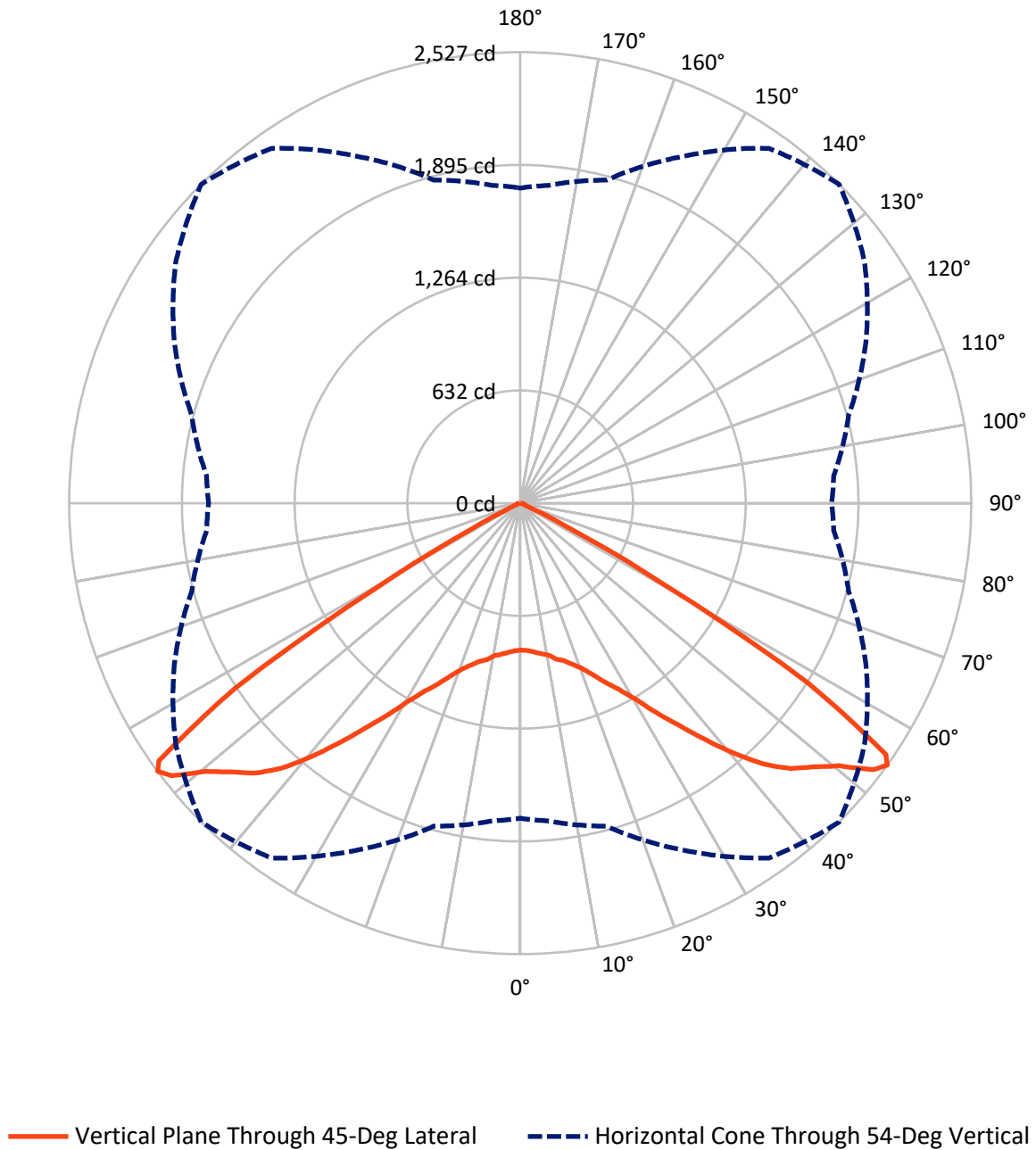


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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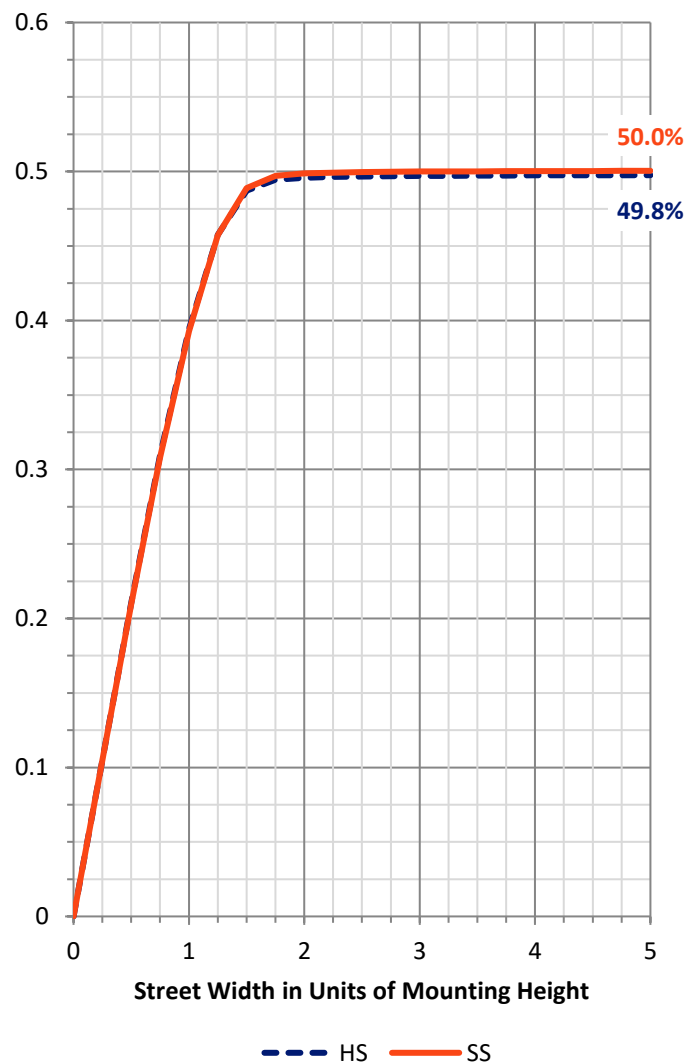
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2510.5	0.0	2510.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2510.5	0.0	2510.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5021.0	0.0	5021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.6
10°-20°	260.9	5.2
20°-30°	511.4	10.2
30°-40°	919.7	18.3
40°-50°	1574.3	31.4
50°-60°	1523.3	30.3
60°-70°	130.4	2.6
70°-80°	15.5	0.3
80°-90°	4.9	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°	5021.0	100.0
0°-180°	5021.0	100.0

Coefficient of Utilization



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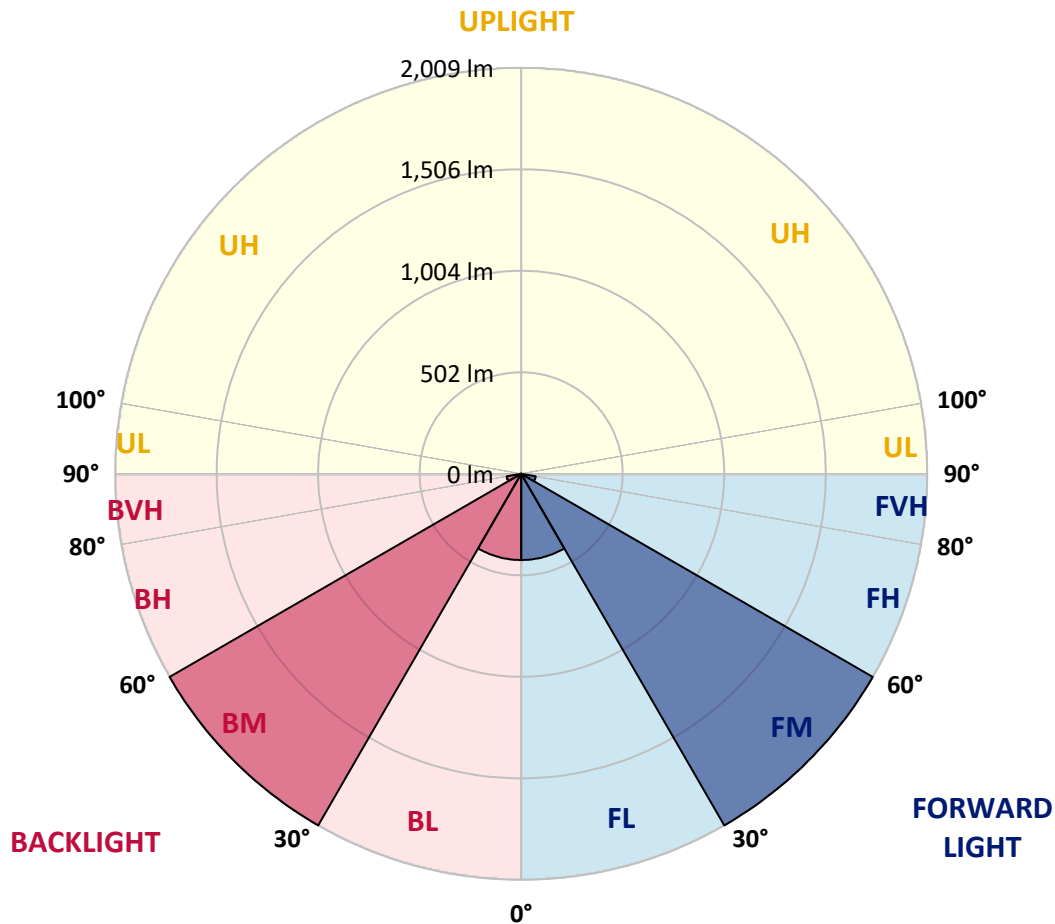
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.5	8.5			
FM	(30°-60°)	2008.7	40.0			
FH	(60°-80°)	72.9	1.5			G0/660
FVH	(80°-90°)	2.4	0.0			G0/10
BL	(0°-30°)	426.5	8.5	B1/500		
BM	(30°-60°)	2008.7	40.0	B2/2500		
BH	(60°-80°)	72.9	1.5	B0/110		G0/660
BVH	(80°-90°)	2.4	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°	823.3	823.3	823.3	823.3	823.3	823.3	823.3	823.3	823.3	823.3	823.3
2.5°	827.3	832.0	828.9	831.2	831.2	827.3	829.7	820.1	826.5	821.7	822.5
5°	840.0	839.2	839.2	840.0	836.8	838.4	835.2	832.0	829.7	826.5	836.0
7.5°	855.9	855.9	850.3	851.9	850.3	852.7	846.4	840.0	837.6	835.2	833.6
10°	871.0	869.4	867.0	874.2	868.6	865.4	862.3	858.3	849.5	846.4	843.2
12.5°	893.3	892.5	889.3	896.5	893.3	896.5	884.5	874.2	872.6	862.3	867.8
15°	919.5	926.7	921.1	921.1	919.5	915.6	910.8	906.0	891.7	887.7	888.5
17.5°	953.7	951.4	952.1	952.1	960.1	949.8	940.2	928.3	921.1	918.7	910.8
20°	986.4	989.5	988.7	994.3	999.1	987.9	977.6	976.0	956.1	959.3	948.2
22.5°	1043.6	1041.2	1045.2	1049.2	1046.0	1044.4	1034.9	1022.9	1005.4	997.5	995.9
25°	1104.1	1100.1	1092.9	1102.5	1107.3	1114.4	1096.1	1089.8	1062.7	1050.8	1051.6
27.5°	1155.8	1161.4	1169.3	1173.3	1185.2	1182.8	1170.1	1149.4	1128.7	1115.2	1106.5
30°	1226.6	1229.8	1243.3	1248.9	1269.5	1275.1	1255.2	1231.4	1194.8	1177.3	1166.9
32.5°	1291.8	1314.1	1313.3	1341.1	1374.5	1397.6	1361.8	1325.2	1288.6	1267.9	1249.6
35°	1397.6	1393.6	1416.7	1446.1	1500.2	1526.5	1487.5	1445.3	1389.6	1356.2	1341.9
37.5°	1496.2	1497.8	1528.8	1575.8	1637.8	1678.4	1644.2	1575.0	1517.7	1474.8	1454.9
40°	1639.4	1642.6	1674.4	1727.7	1797.7	1841.5	1801.7	1731.7	1655.3	1621.9	1621.9
42.5°	1807.3	1820.8	1841.5	1887.6	1950.4	1999.0	1963.2	1908.3	1831.1	1788.2	1794.5
45°	1979.9	1986.2	1999.8	2068.2	2097.6	2121.5	2088.0	2062.6	2010.9	1958.4	1949.6
47.5°	2141.3	2143.7	2183.5	2205.0	2228.0	2208.2	2229.6	2196.2	2138.2	2087.3	2076.9
50°	2212.9	2209.0	2265.4	2330.7	2348.2	2313.2	2294.9	2272.6	2184.3	2123.0	2096.0
52.5°	2004.5	2027.6	2132.6	2314.0	2450.8	2480.2	2373.6	2271.0	2106.3	1987.0	1968.7
54°	1765.9	1787.4	1874.1	2142.9	2427.7	2527.1	2355.3	2137.4	1905.1	1763.5	1745.2
55°	1529.6	1505.8	1663.3	1937.7	2319.5	2485.8	2282.9	1964.8	1699.1	1569.4	1544.0
57.5°	828.1	832.0	964.9	1224.2	1629.9	1905.9	1683.2	1329.2	1003.9	858.3	845.6
60°	262.5	268.9	326.9	494.8	778.7	929.9	797.0	533.7	369.1	295.9	284.0
62.5°	81.9	85.1	93.1	138.4	213.2	304.7	238.6	143.2	106.6	97.8	99.4
65°	50.1	50.1	50.9	54.1	63.6	74.0	71.6	62.8	60.5	58.9	58.1
67.5°	32.6	31.8	33.4	35.8	37.4	38.2	40.6	43.0	42.2	40.6	40.6
70°	19.9	19.1	20.7	23.9	24.7	26.2	28.6	31.8	31.0	29.4	30.2
72.5°	11.1	11.1	11.9	14.3	16.7	18.3	20.7	23.1	23.9	23.1	23.1
75°	4.0	4.8	6.4	8.7	10.3	12.7	15.1	17.5	19.9	18.3	17.5
77.5°	1.6	1.6	3.2	5.6	8.0	10.3	14.3	16.7	18.3	16.7	15.1
80°	0.8	0.8	2.4	4.8	7.2	9.5	11.9	14.3	15.1	13.5	11.9
82.5°	0.8	0.8	2.4	4.8	7.2	8.7	12.7	14.3	15.9	14.3	11.9
85°	0.0	0.8	2.4	4.8	6.4	7.2	7.2	4.8	4.0	2.4	2.4
87.5°	0.0	0.0	0.8	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)