

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: P526975

Luminaire Tested: **GALN-SA2A-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526975
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-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 5284 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

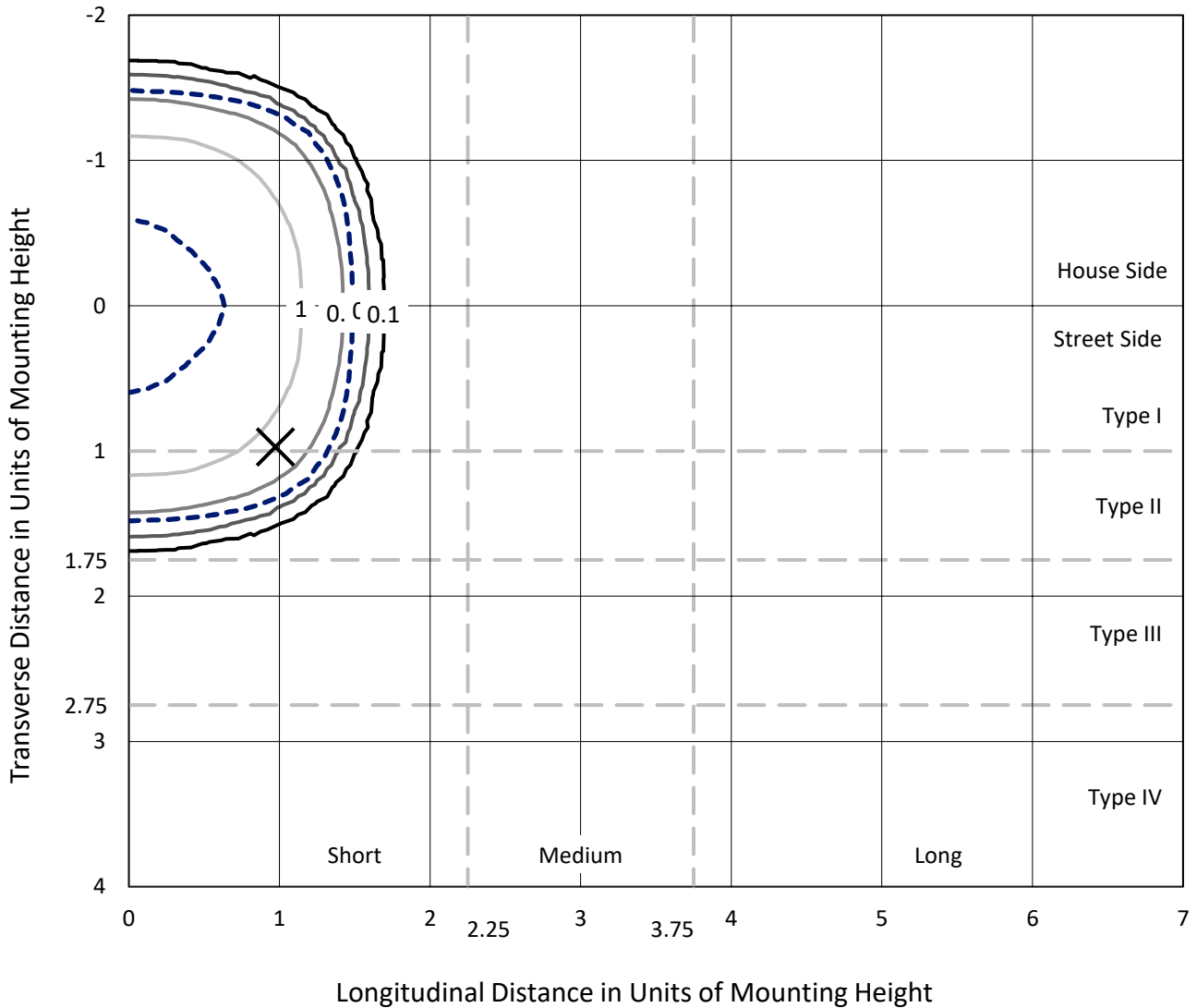
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

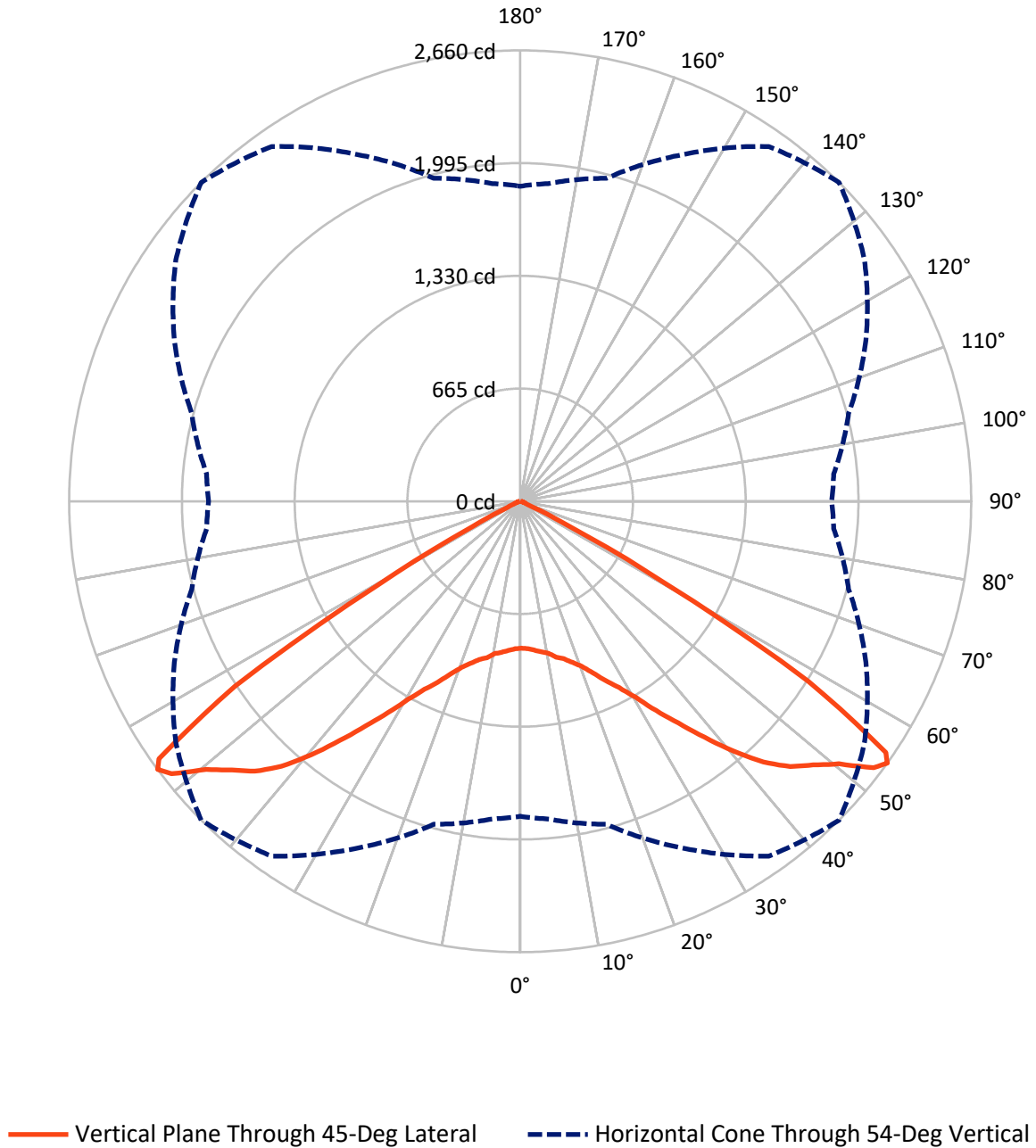
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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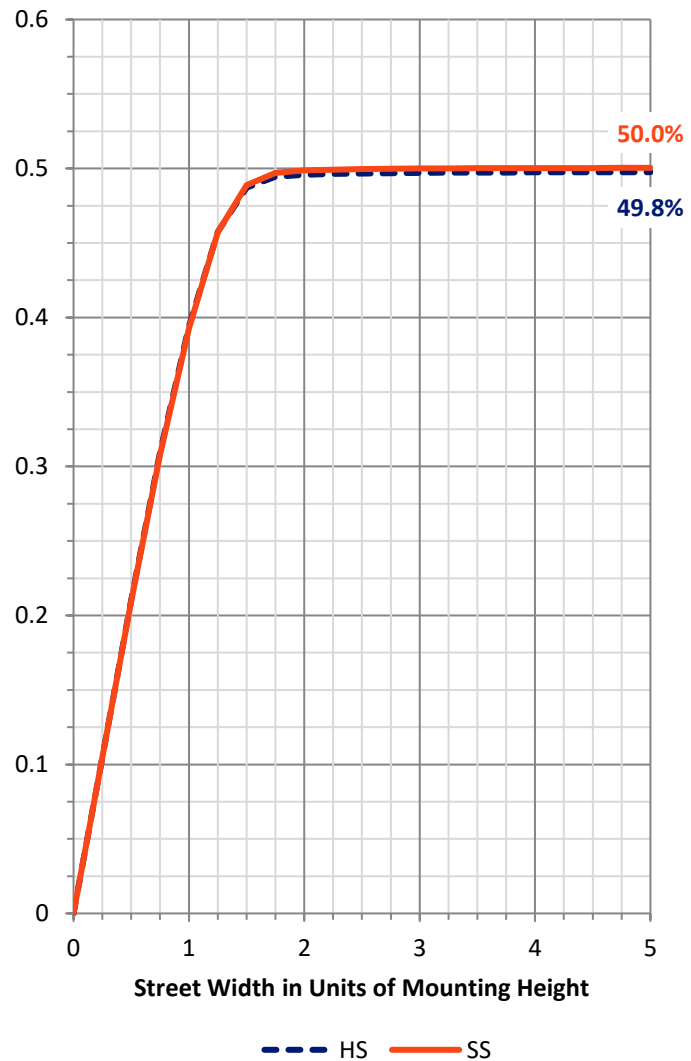
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2642.0	0.0	2642.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2642.0	0.0	2642.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5284.0	0.0	5284.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.6
10°-20°	274.6	5.2
20°-30°	538.2	10.2
30°-40°	967.9	18.3
40°-50°	1656.8	31.4
50°-60°	1603.1	30.3
60°-70°	137.2	2.6
70°-80°	16.3	0.3
80°-90°	5.1	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°	5284.0	100.0
0°-180°	5284.0	100.0



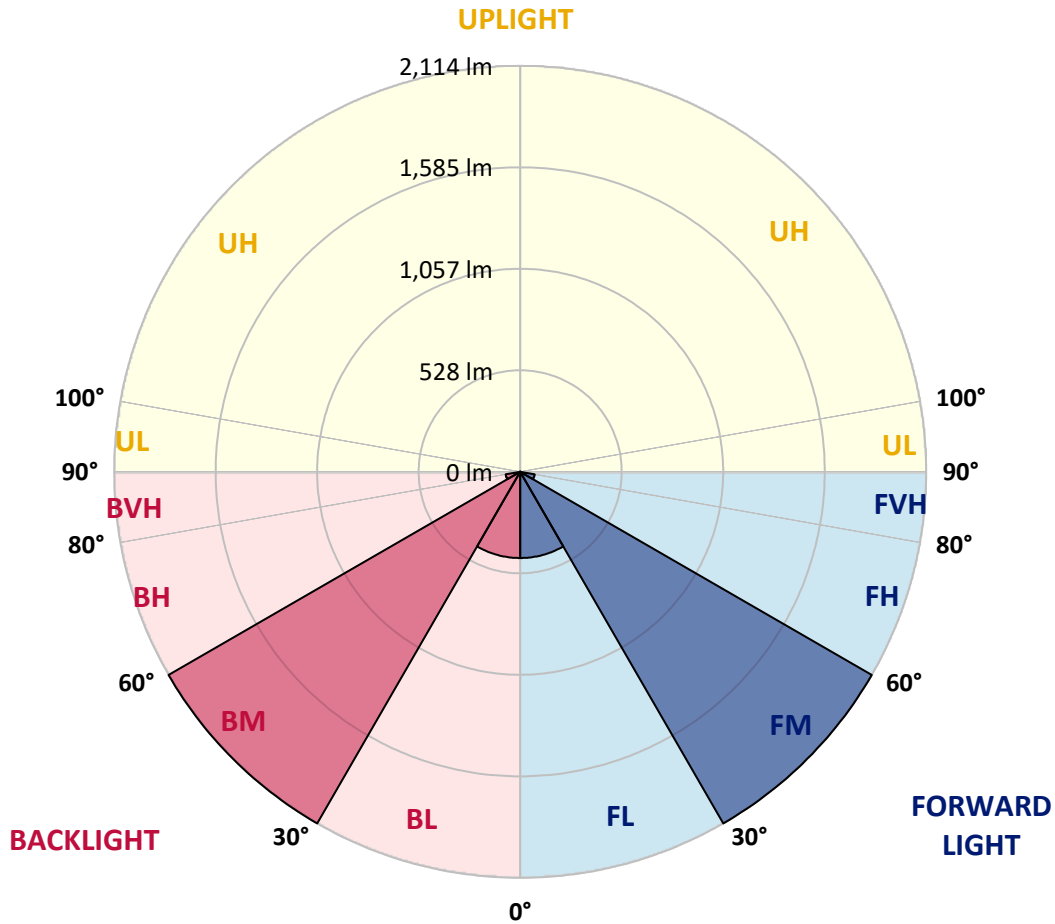
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.8	8.5			
FM (30°-60°)	2113.9	40.0			
FH (60°-80°)	76.8	1.5			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	448.8	8.5	B1/500		
BM (30°-60°)	2113.9	40.0	B2/2500		
BH (60°-80°)	76.8	1.5	B0/110		G0/660
BVH (80°-90°)	2.5	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°	866.4	866.4	866.4	866.4	866.4	866.4	866.4	866.4	866.4	866.4	866.4
2.5°	870.6	875.6	872.3	874.8	874.8	870.6	873.1	863.1	869.8	864.7	865.6
5°	884.0	883.2	883.2	884.0	880.6	882.3	879.0	875.6	873.1	869.8	879.8
7.5°	900.7	900.7	894.9	896.5	894.9	897.4	890.7	884.0	881.5	879.0	877.3
10°	916.6	915.0	912.5	920.0	914.1	910.8	907.4	903.2	894.0	890.7	887.3
12.5°	940.1	939.2	935.9	943.4	940.1	943.4	930.9	920.0	918.3	907.4	913.3
15°	967.7	975.2	969.4	969.4	967.7	963.5	958.5	953.5	938.4	934.2	935.1
17.5°	1003.7	1001.2	1002.0	1002.0	1010.4	999.5	989.5	976.9	969.4	966.9	958.5
20°	1038.0	1041.4	1040.5	1046.4	1051.4	1039.7	1028.8	1027.1	1006.2	1009.6	997.8
22.5°	1098.3	1095.8	1100.0	1104.2	1100.8	1099.1	1089.1	1076.5	1058.1	1049.7	1048.1
25°	1161.9	1157.7	1150.2	1160.2	1165.3	1172.8	1153.5	1146.8	1118.4	1105.8	1106.7
27.5°	1216.3	1222.2	1230.6	1234.7	1247.3	1244.8	1231.4	1209.6	1187.9	1173.6	1164.4
30°	1290.8	1294.2	1308.4	1314.3	1336.0	1341.9	1321.0	1295.9	1257.3	1238.9	1228.0
32.5°	1359.5	1382.9	1382.1	1411.4	1446.5	1470.8	1433.1	1394.6	1356.1	1334.4	1315.1
35°	1470.8	1466.6	1490.9	1521.9	1578.8	1606.4	1565.4	1521.0	1462.4	1427.3	1412.2
37.5°	1574.6	1576.3	1608.9	1658.3	1723.6	1766.3	1730.3	1657.5	1597.2	1552.0	1531.1
40°	1725.3	1728.6	1762.1	1818.2	1891.9	1937.9	1896.1	1822.4	1742.0	1706.9	1706.9
42.5°	1901.9	1916.2	1937.9	1986.5	2052.6	2103.7	2066.0	2008.2	1927.0	1881.8	1888.5
45°	2083.6	2090.3	2104.5	2176.5	2207.5	2232.6	2197.4	2170.6	2116.2	2061.0	2051.8
47.5°	2253.5	2256.0	2297.9	2320.5	2344.8	2323.8	2346.4	2311.3	2250.2	2196.6	2185.7
50°	2328.8	2324.7	2384.1	2452.7	2471.2	2434.3	2415.1	2391.6	2298.7	2234.3	2205.8
52.5°	2109.5	2133.8	2244.3	2435.2	2579.1	2610.1	2497.9	2390.0	2216.7	2091.1	2071.9
54°	1858.4	1881.0	1972.2	2255.2	2554.9	2659.5	2478.7	2249.3	2004.9	1855.9	1836.6
55°	1609.8	1584.7	1750.4	2039.2	2441.0	2616.0	2402.5	2067.7	1788.1	1651.6	1624.8
57.5°	871.4	875.6	1015.4	1288.3	1715.2	2005.7	1771.3	1398.8	1056.4	903.2	889.9
60°	276.2	282.9	344.1	520.7	819.5	978.6	838.8	561.7	388.4	311.4	298.8
62.5°	86.2	89.6	97.9	145.7	224.3	320.6	251.1	150.7	112.2	103.0	104.6
65°	52.7	52.7	53.6	56.9	67.0	77.9	75.3	66.1	63.6	61.9	61.1
67.5°	34.3	33.5	35.2	37.7	39.3	40.2	42.7	45.2	44.4	42.7	42.7
70°	20.9	20.1	21.8	25.1	26.0	27.6	30.1	33.5	32.6	31.0	31.8
72.5°	11.7	11.7	12.6	15.1	17.6	19.3	21.8	24.3	25.1	24.3	24.3
75°	4.2	5.0	6.7	9.2	10.9	13.4	15.9	18.4	20.9	19.3	18.4
77.5°	1.7	1.7	3.3	5.9	8.4	10.9	15.1	17.6	19.3	17.6	15.9
80°	0.8	0.8	2.5	5.0	7.5	10.0	12.6	15.1	15.9	14.2	12.6
82.5°	0.8	0.8	2.5	5.0	7.5	9.2	13.4	15.1	16.7	15.1	12.6
85°	0.0	0.8	2.5	5.0	6.7	7.5	7.5	5.0	4.2	2.5	2.5
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)