

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: P527008

Luminaire Tested: **GALN-SA2A-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7339 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

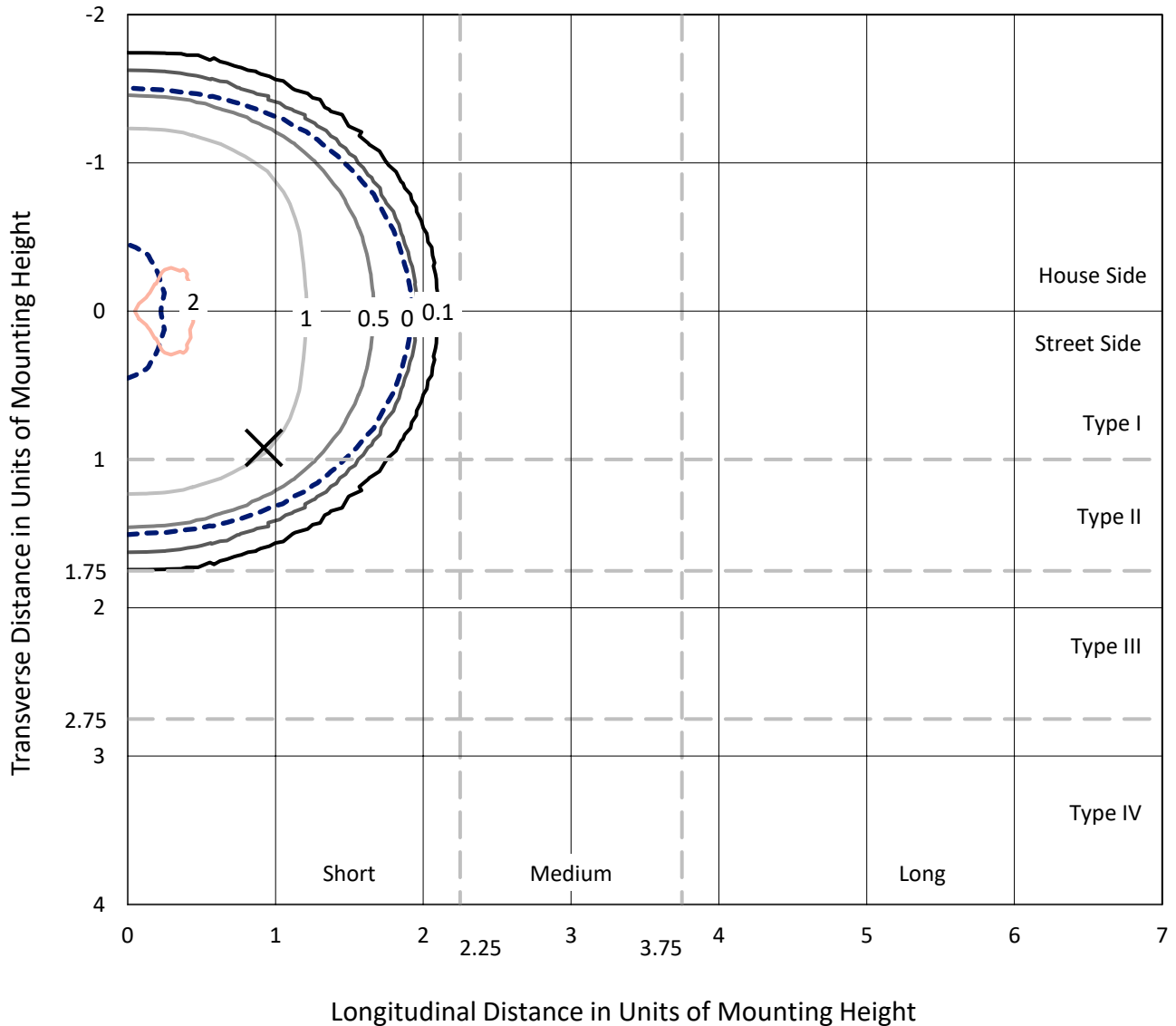
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

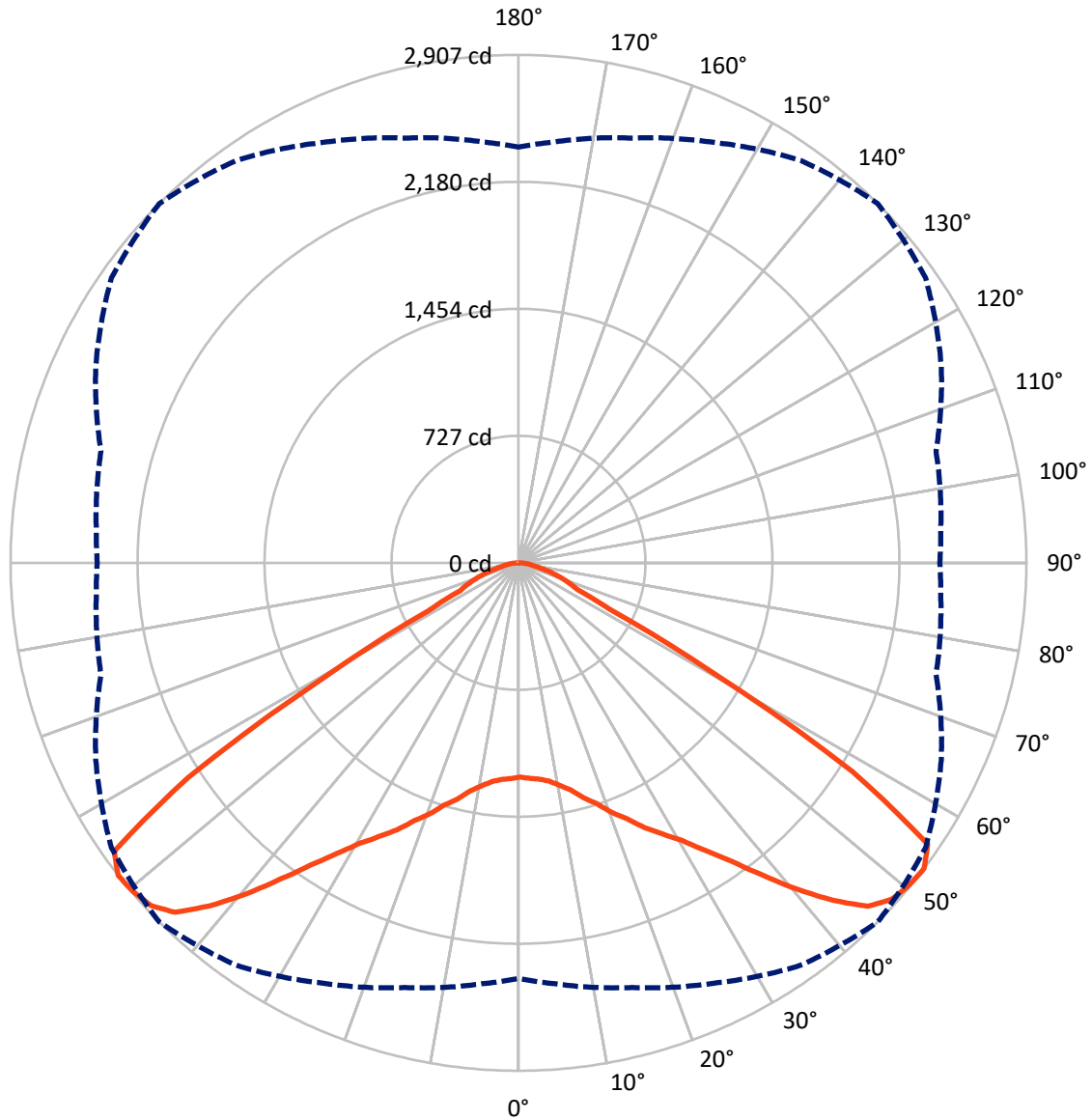
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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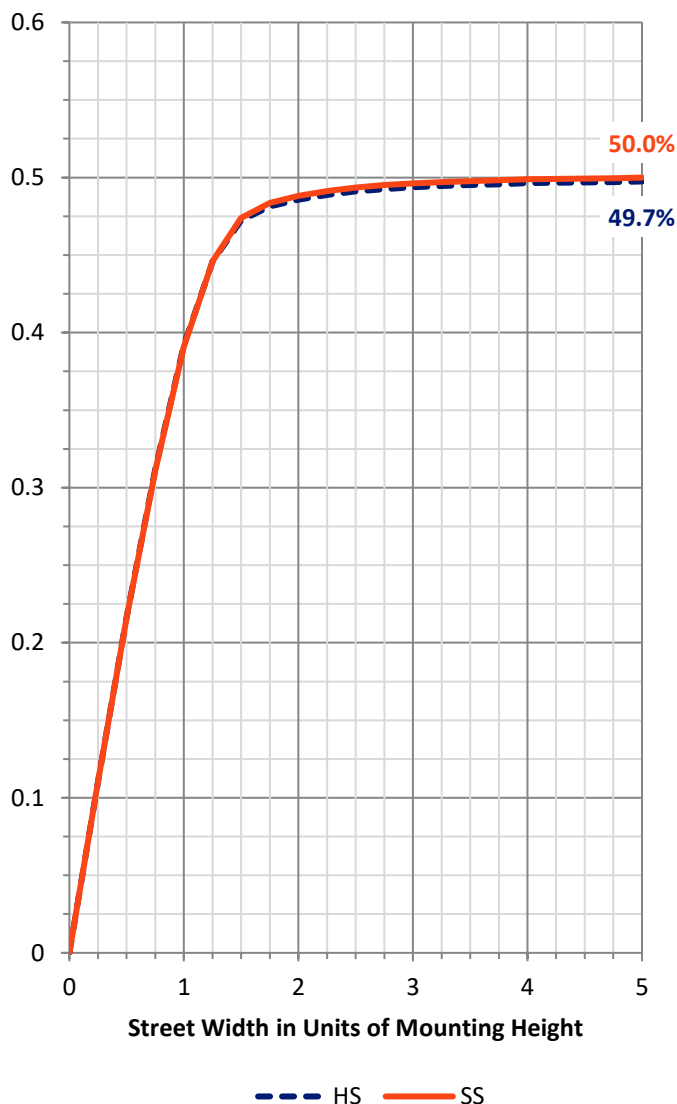
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3669.5	0.0	3669.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3669.5	0.0	3669.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7339.0	0.0	7339.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.6
10°-20°	396.1	5.4
20°-30°	754.0	10.3
30°-40°	1294.7	17.6
40°-50°	1990.0	27.1
50°-60°	2020.8	27.5
60°-70°	563.2	7.7
70°-80°	166.1	2.3
80°-90°	33.5	0.5
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°	7339.0	100.0
0°-180°	7339.0	100.0

Coefficient of Utilization



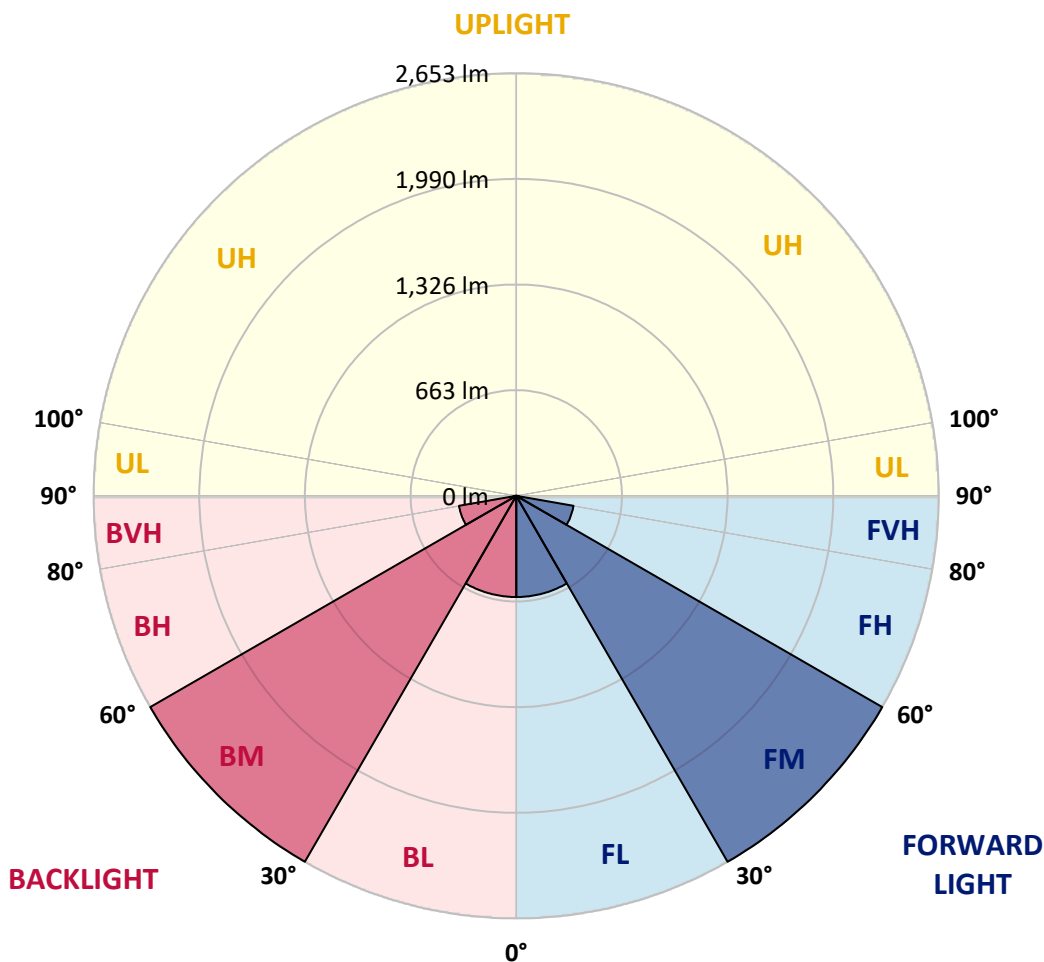
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.3	8.7			
FM (30°-60°)	2652.8	36.1			
FH (60°-80°)	364.7	5.0			G0/660
FVH (80°-90°)	16.7	0.2			G1/100
BL (0°-30°)	635.3	8.7	B2/1000		
BM (30°-60°)	2652.8	36.1	B3/5000		
BH (60°-80°)	364.7	5.0	B1/500		G0/660
BVH (80°-90°)	16.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8	1226.8
2.5°	1229.5	1216.8	1221.3	1224.1	1235.9	1235.0	1232.3	1235.9	1239.6	1240.5	1238.7
5°	1228.6	1219.5	1223.2	1225.9	1237.7	1244.1	1242.3	1257.8	1268.7	1266.0	1279.6
7.5°	1221.3	1226.8	1222.3	1235.9	1245.9	1261.4	1277.8	1292.4	1306.0	1321.5	1324.3
10°	1237.7	1237.7	1245.9	1256.9	1283.3	1295.1	1318.8	1339.7	1366.2	1384.4	1377.1
12.5°	1255.0	1257.8	1257.8	1286.0	1307.9	1334.3	1356.1	1384.4	1421.7	1443.6	1454.5
15°	1272.3	1274.2	1283.3	1321.5	1354.3	1396.2	1416.3	1441.8	1462.7	1503.7	1504.6
17.5°	1287.8	1297.9	1325.2	1368.0	1409.0	1449.0	1480.9	1507.3	1525.5	1541.9	1538.3
20°	1346.1	1353.4	1381.6	1424.4	1485.5	1524.6	1535.6	1540.1	1552.0	1584.7	1574.7
22.5°	1402.6	1405.3	1431.7	1497.3	1540.1	1592.0	1603.9	1601.1	1605.7	1613.9	1628.5
25°	1460.9	1465.4	1501.9	1557.4	1617.5	1679.5	1689.5	1668.5	1662.2	1671.3	1672.2
27.5°	1535.6	1536.5	1582.9	1631.2	1699.5	1757.8	1773.3	1756.9	1726.8	1734.1	1746.0
30°	1630.3	1623.9	1670.4	1739.6	1811.5	1844.3	1870.7	1862.5	1829.7	1823.4	1813.3
32.5°	1739.6	1741.4	1783.3	1858.9	1906.2	1960.9	1989.1	1975.5	1954.5	1943.6	1950.0
35°	1893.5	1901.7	1929.9	1992.8	2069.3	2096.6	2141.2	2112.1	2057.4	2071.1	2082.9
37.5°	2020.1	2043.8	2096.6	2171.3	2216.8	2266.9	2283.3	2244.1	2204.1	2187.7	2226.8
40°	2214.1	2206.8	2265.1	2339.8	2407.2	2457.3	2436.3	2397.2	2297.9	2298.8	2309.7
42.5°	2380.8	2384.4	2429.0	2518.3	2610.3	2641.2	2574.8	2479.1	2368.9	2357.1	2380.8
45°	2521.0	2535.6	2561.1	2680.4	2770.6	2804.3	2681.3	2568.4	2420.8	2371.7	2410.8
47.5°	2571.1	2594.8	2650.3	2759.6	2848.9	2876.2	2777.9	2615.7	2469.1	2389.0	2409.9
50°	2578.4	2570.2	2661.3	2761.5	2839.8	2899.0	2812.5	2650.3	2457.3	2415.4	2409.0
52.5°	2378.9	2419.0	2516.5	2654.0	2812.5	2907.2	2843.4	2669.5	2473.7	2426.3	2410.8
55°	1925.4	1878.0	2055.6	2286.9	2578.4	2841.6	2832.5	2679.5	2483.7	2444.5	2423.6
57.5°	1074.7	1088.4	1188.6	1439.9	1816.1	2253.3	2518.3	2573.8	2479.1	2456.4	2467.3
60°	497.3	501.8	544.6	662.1	895.3	1277.8	1626.6	1980.9	2144.0	2176.7	2176.7
62.5°	370.7	368.9	379.8	400.7	449.9	587.4	784.2	1065.6	1289.7	1446.3	1487.3
65°	335.2	334.3	339.7	347.0	350.6	369.8	413.5	500.0	572.9	614.8	607.5
67.5°	293.3	292.4	294.2	298.7	305.1	315.1	326.1	344.3	369.8	368.0	363.4
70°	236.8	236.8	239.5	243.2	250.5	262.3	275.1	287.8	309.7	314.2	313.3
72.5°	174.9	172.1	177.6	184.9	192.2	206.7	220.4	232.2	247.7	252.3	250.5
75°	111.1	112.9	116.6	124.8	137.5	147.5	162.1	172.1	182.2	185.8	186.7
77.5°	61.9	63.8	70.1	80.1	92.9	103.8	116.6	124.8	131.2	132.1	133.0
80°	37.3	38.3	44.6	53.7	64.7	76.5	86.5	94.7	100.2	97.5	96.5
82.5°	22.8	23.7	29.1	37.3	46.4	55.6	66.5	73.8	79.2	75.6	72.0
85°	11.8	12.8	17.3	22.8	30.1	34.6	34.6	31.0	30.1	28.2	27.3
87.5°	3.6	3.6	4.6	5.5	4.6	5.5	6.4	7.3	7.3	8.2	7.3
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)