

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: P526513

Luminaire Tested: **GALN-SA1C-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3845 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

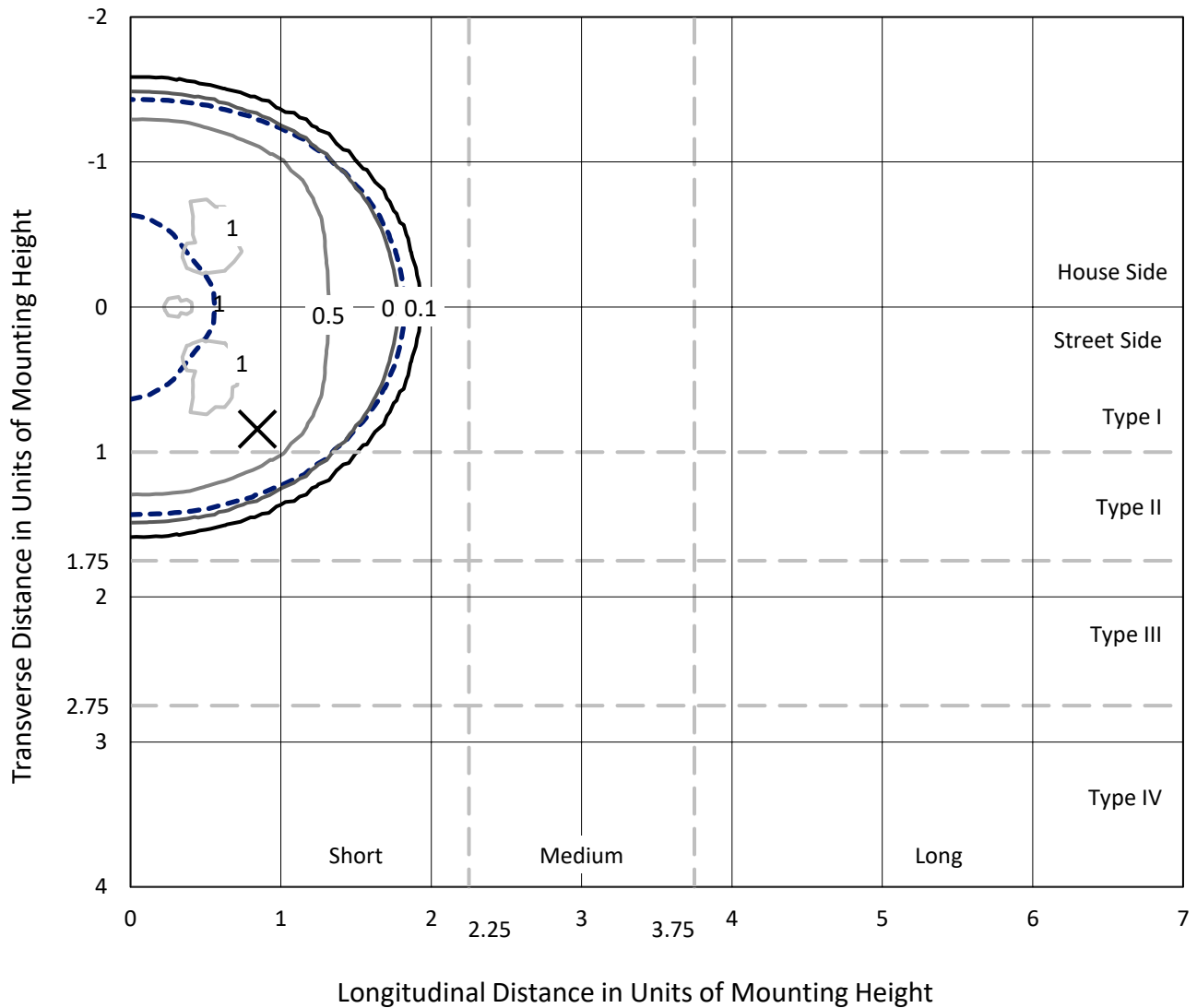
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

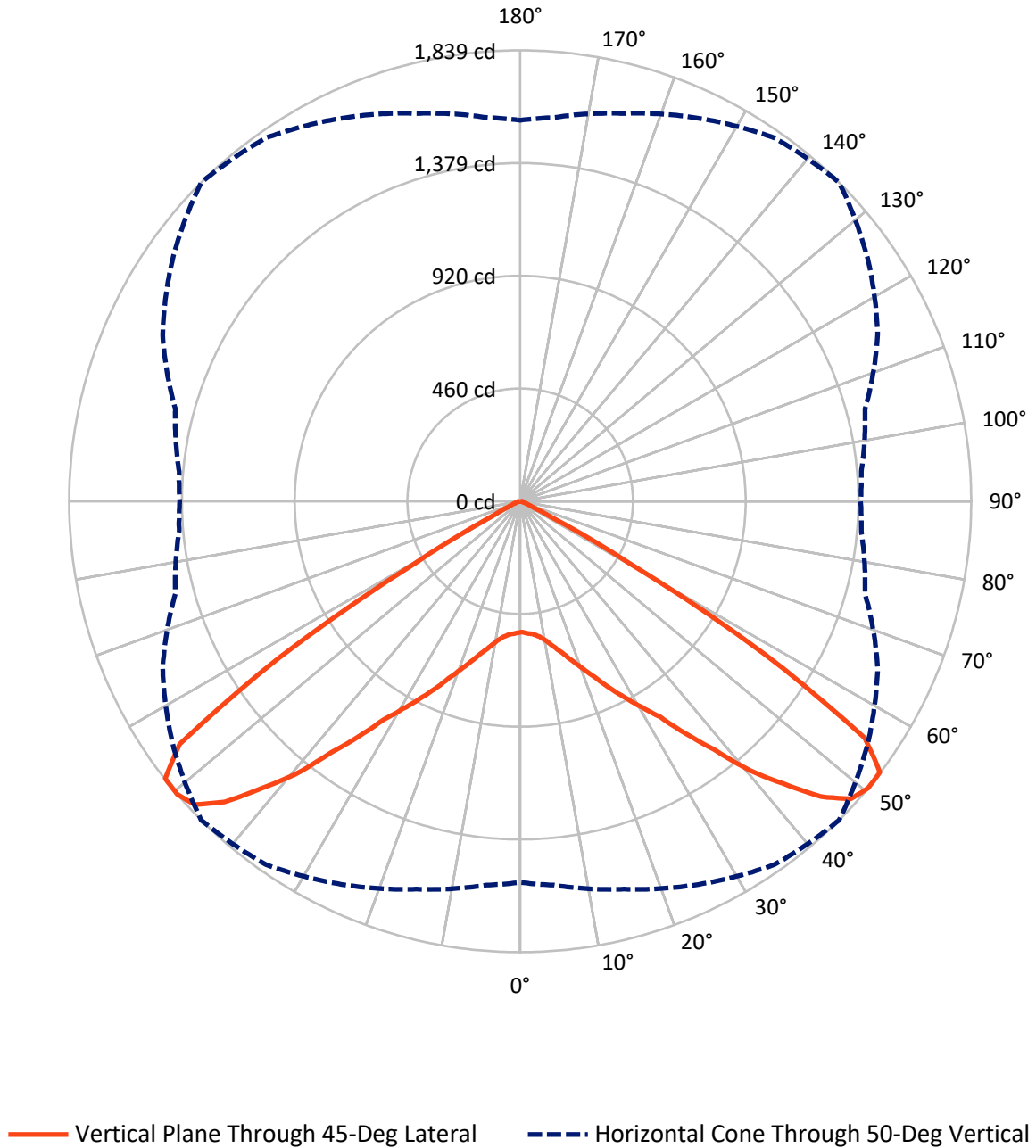
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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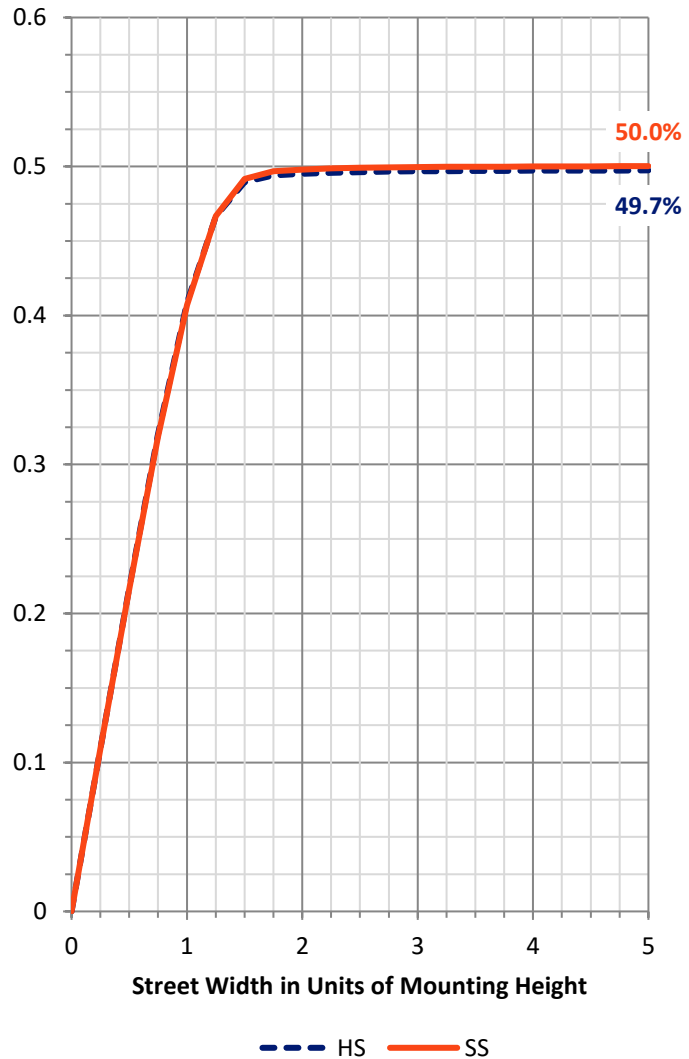
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.5	0.0	1922.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1922.5	0.0	1922.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3845.0	0.0	3845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.4
10°-20°	182.8	4.8
20°-30°	373.3	9.7
30°-40°	711.9	18.5
40°-50°	1199.7	31.2
50°-60°	1144.1	29.8
60°-70°	159.7	4.2
70°-80°	15.3	0.4
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°	3845.0	100.0
0°-180°	3845.0	100.0

Coefficient of Utilization

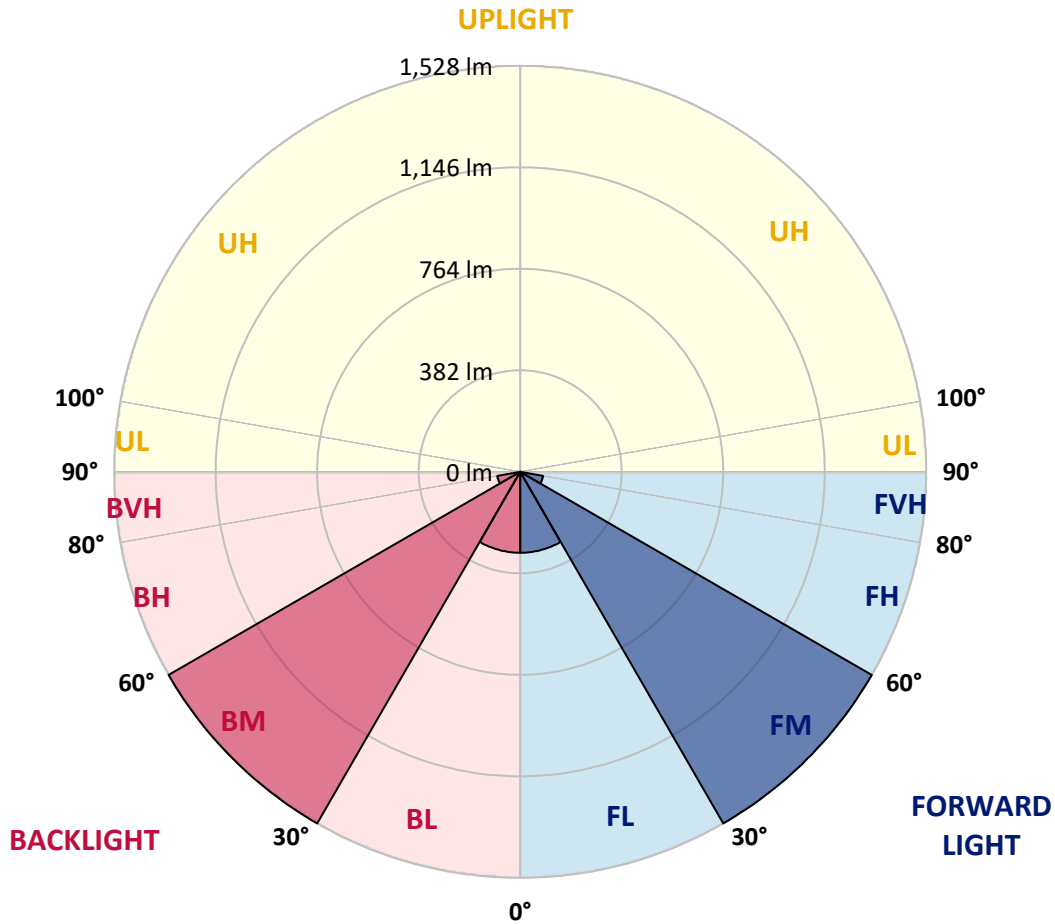


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.6	7.9			
FM (30°-60°)	1527.8	39.7			
FH (60°-80°)	87.5	2.3			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	304.6	7.9	B1/500		
BM (30°-60°)	1527.8	39.7	B2/2500		
BH (60°-80°)	87.5	2.3	B0/110		G0/660
BVH (80°-90°)	2.6	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°	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1	533.1
2.5°	531.1	531.1	530.5	535.7	533.1	538.9	538.2	540.2	542.1	541.5	546.7
5°	526.6	526.0	526.0	531.8	537.6	544.1	549.9	553.8	560.2	560.2	566.7
7.5°	531.1	527.9	532.4	535.0	546.0	557.0	566.7	574.5	589.3	594.5	592.6
10°	532.4	536.3	539.5	547.3	560.9	577.7	586.1	605.5	622.3	634.0	636.6
12.5°	540.8	546.7	555.7	574.5	586.8	608.8	620.4	639.2	662.5	675.4	684.4
15°	557.0	558.9	570.6	594.5	621.0	641.1	659.2	672.8	695.4	710.3	711.0
17.5°	577.7	586.1	602.3	624.9	652.7	682.5	696.7	711.6	720.0	740.1	744.6
20°	619.1	620.4	635.9	665.7	700.6	727.8	738.1	745.9	742.7	763.4	767.3
22.5°	657.9	659.2	678.6	718.7	756.3	779.5	784.1	779.5	769.8	784.7	786.0
25°	697.4	709.0	723.3	763.4	810.0	841.0	841.7	829.4	809.3	811.9	818.4
27.5°	758.8	767.3	782.1	819.0	870.1	905.0	899.2	884.3	858.5	860.4	858.5
30°	830.7	838.4	850.7	897.9	935.5	973.6	982.0	967.8	929.0	920.6	930.3
32.5°	917.3	928.3	951.0	994.3	1026.0	1049.3	1055.1	1050.0	1013.7	1010.5	1017.0
35°	1022.8	1037.7	1058.4	1096.5	1122.4	1164.5	1164.5	1147.0	1114.0	1117.9	1117.2
37.5°	1134.1	1156.1	1188.4	1227.2	1262.2	1284.8	1277.7	1262.8	1229.8	1221.4	1229.8
40°	1273.8	1284.8	1325.6	1376.0	1418.7	1444.6	1414.2	1381.8	1302.9	1315.2	1337.8
42.5°	1401.2	1418.7	1449.8	1505.4	1553.9	1575.3	1539.0	1475.0	1379.9	1370.2	1387.0
45°	1509.9	1528.7	1569.4	1649.0	1700.1	1718.9	1638.7	1535.2	1426.5	1401.9	1409.0
47.5°	1582.4	1592.1	1649.0	1724.7	1771.3	1814.0	1698.8	1576.6	1448.5	1401.9	1399.3
50°	1554.6	1571.4	1638.0	1724.1	1808.8	1839.2	1729.2	1608.3	1455.6	1396.1	1388.3
52.5°	1380.5	1409.7	1484.0	1599.8	1727.9	1836.6	1771.3	1597.9	1453.0	1401.9	1413.5
55°	960.7	961.3	1051.9	1222.7	1449.1	1705.3	1709.8	1609.6	1469.8	1438.1	1438.8
57.5°	386.2	405.6	474.8	646.3	855.2	1170.9	1392.2	1493.1	1471.8	1464.0	1484.0
60°	97.7	98.3	119.7	182.4	300.8	502.0	729.1	986.6	1136.0	1187.1	1194.2
62.5°	49.8	50.5	55.6	64.7	82.2	134.6	239.4	379.7	540.2	621.7	643.0
65°	40.8	40.8	44.0	48.5	49.2	51.8	62.1	88.6	128.7	146.2	148.1
67.5°	31.1	31.1	33.6	36.2	37.5	36.9	35.6	36.9	44.6	42.7	41.4
70°	19.4	20.1	21.3	23.9	25.2	25.9	26.5	27.8	31.7	33.0	31.7
72.5°	11.6	11.6	12.3	14.2	16.2	17.5	19.4	20.7	22.6	25.9	25.2
75°	5.2	5.2	6.5	8.4	10.4	12.3	14.2	16.2	17.5	19.4	20.1
77.5°	1.3	1.9	3.2	5.8	7.8	10.4	12.9	14.9	16.2	16.2	15.5
80°	0.6	0.6	2.6	4.5	8.4	11.0	14.2	15.5	17.5	16.2	14.2
82.5°	0.6	0.6	2.6	4.5	7.8	11.0	14.9	16.8	18.1	16.2	13.6
85°	0.0	0.6	1.9	3.9	6.5	7.8	6.5	4.5	2.6	2.6	1.9
87.5°	0.0	0.0	0.6	0.6	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)