

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: P651714

Luminaire Tested: **GALN-SA2A-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651714
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-SA2A-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA 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: 4034.3 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

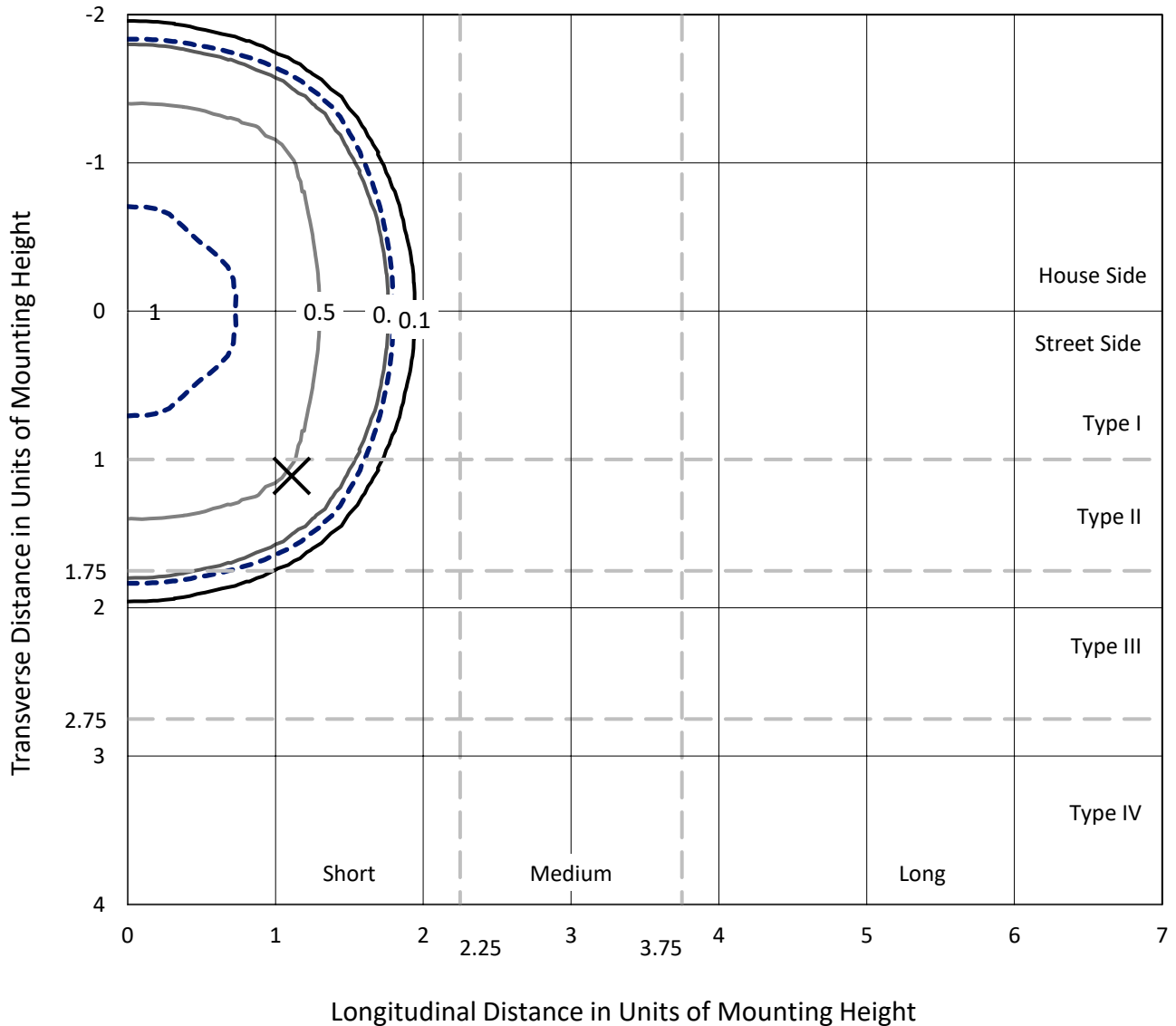
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

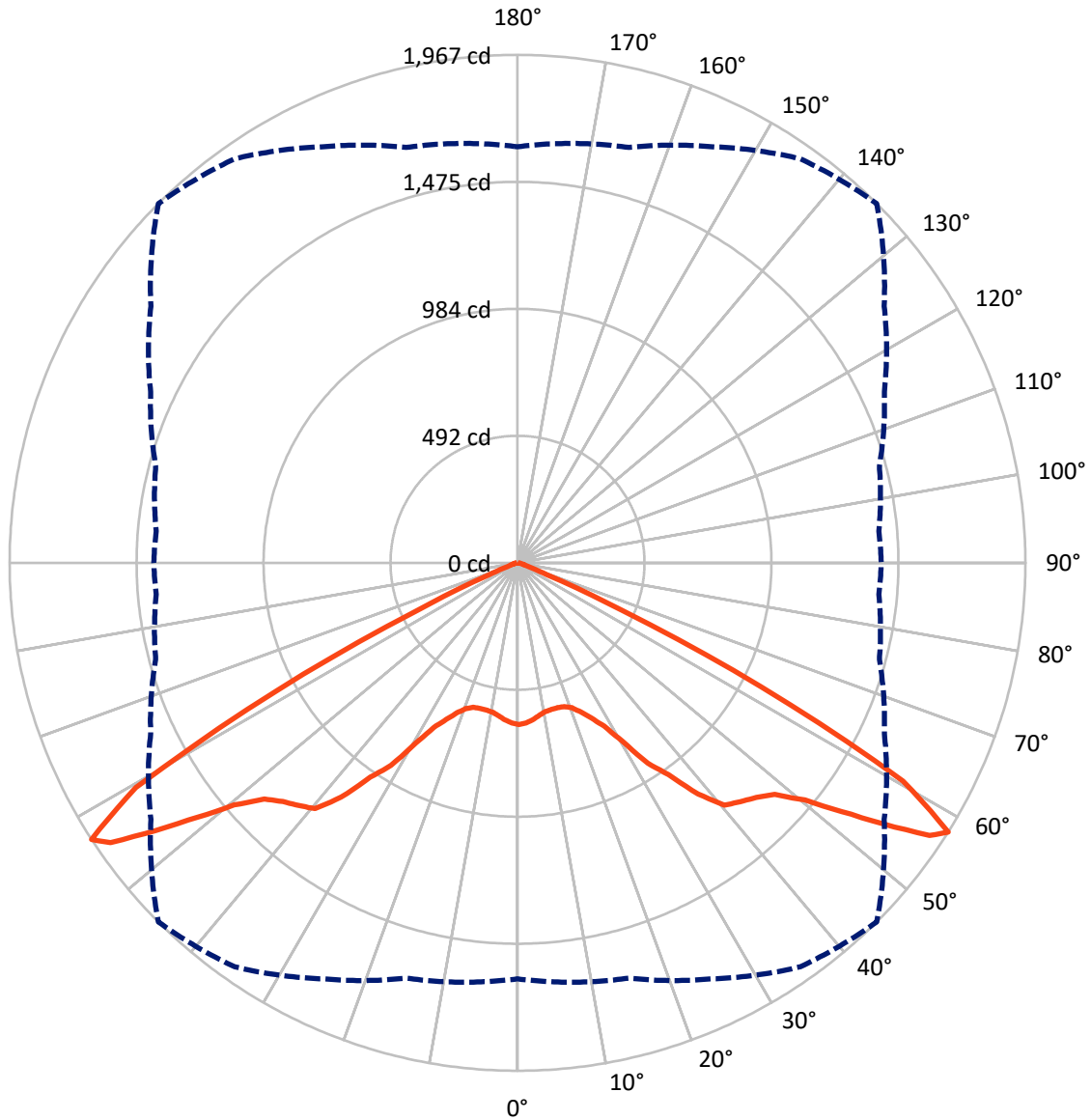
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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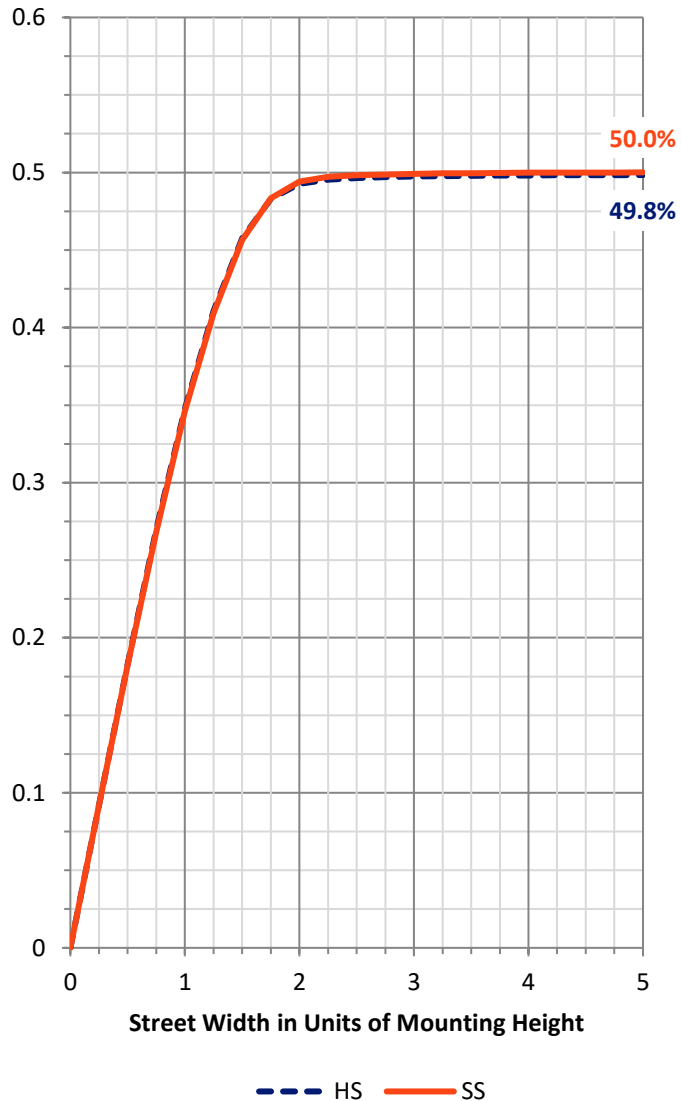
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2017.1	0.0	2017.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2017.1	0.0	2017.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4034.3	0.0	4034.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.4
10°-20°	166.2	4.1
20°-30°	306.8	7.6
30°-40°	603.4	15.0
40°-50°	982.7	24.4
50°-60°	1401.5	34.7
60°-70°	485.2	12.0
70°-80°	26.0	0.6
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°	4034.3	100.0
0°-180°	4034.3	100.0

Coefficient of Utilization

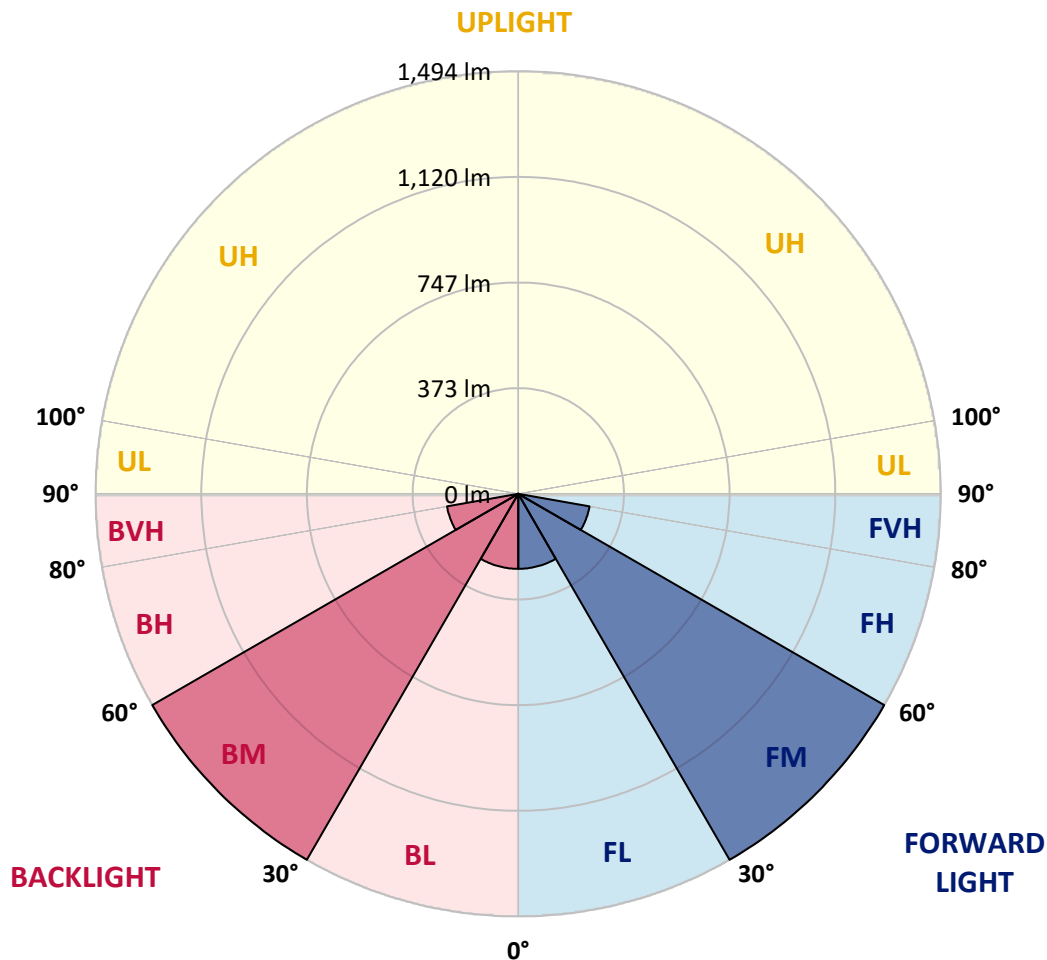


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.3	6.6			
FM (30°-60°)	1493.8	37.0			
FH (60°-80°)	255.6	6.3			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	265.3	6.6	B1/500		
BM (30°-60°)	1493.8	37.0	B2/2500		
BH (60°-80°)	255.6	6.3	B1/500		G0/660
BVH (80°-90°)	2.4	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°	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8	625.8
2.5°	624.1	627.5	623.3	621.6	620.7	620.7	618.2	618.2	617.4	618.2	614.9
5°	614.0	617.4	617.4	616.5	611.5	610.7	608.1	606.4	607.3	603.9	606.4
7.5°	603.9	606.4	603.1	602.2	600.6	597.2	596.4	588.8	589.6	589.6	591.3
10°	602.2	601.4	596.4	592.1	587.1	586.3	583.7	582.1	582.1	581.2	583.7
12.5°	602.2	598.0	597.2	587.9	579.5	582.9	576.2	572.0	577.9	579.5	582.9
15°	601.4	605.6	591.3	587.1	581.2	582.1	576.2	572.0	575.3	577.0	579.5
17.5°	606.4	603.9	599.7	591.3	588.8	585.4	577.9	574.5	574.5	578.7	579.5
20°	619.9	613.2	604.8	600.6	603.1	598.9	589.6	577.0	580.4	583.7	586.3
22.5°	632.5	627.5	621.6	619.1	633.4	626.6	610.7	596.4	591.3	597.2	601.4
25°	656.9	656.9	646.0	649.3	665.3	666.2	647.7	622.4	619.1	621.6	623.3
27.5°	706.5	709.0	699.8	703.2	709.9	715.8	699.8	678.8	671.2	670.4	672.9
30°	760.3	765.4	764.6	778.9	798.2	801.6	778.0	743.5	720.8	716.6	720.0
32.5°	831.0	833.5	831.8	848.7	900.8	925.2	863.8	815.0	784.7	792.3	784.7
35°	963.9	961.3	942.8	946.2	989.1	1006.8	947.9	916.8	902.5	917.6	914.3
37.5°	1078.2	1069.0	1053.9	1075.7	1120.3	1136.3	1074.9	1020.2	994.1	1019.4	1030.3
40°	1175.0	1151.4	1130.4	1152.3	1212.0	1233.8	1143.8	1099.3	1089.2	1107.7	1131.2
42.5°	1256.5	1241.4	1213.6	1215.3	1254.9	1264.9	1192.6	1166.6	1156.5	1185.9	1197.7
45°	1314.6	1300.3	1274.2	1272.5	1302.8	1296.1	1231.3	1213.6	1219.5	1238.9	1244.8
47.5°	1344.0	1351.6	1336.4	1340.6	1356.6	1340.6	1289.3	1289.3	1275.9	1287.7	1281.8
50°	1428.9	1405.4	1424.7	1424.7	1441.6	1443.2	1391.9	1373.4	1337.3	1317.1	1317.1
52.5°	1528.3	1529.9	1537.5	1565.3	1593.9	1618.3	1545.1	1466.0	1405.4	1379.3	1376.0
55°	1609.8	1626.7	1656.9	1709.1	1791.5	1825.1	1699.0	1557.7	1483.7	1443.2	1434.8
56°	1654.4	1638.4	1690.6	1762.1	1869.7	1913.4	1724.2	1576.2	1494.6	1449.2	1448.4
57.5°	1611.5	1629.2	1665.3	1778.0	1910.1	1967.3	1733.5	1567.8	1450.9	1404.6	1408.8
60°	1272.5	1289.3	1338.1	1464.3	1671.2	1715.8	1466.9	1292.7	1188.4	1122.0	1122.8
62.5°	720.0	732.6	770.4	887.3	1016.0	1058.9	914.3	798.2	725.9	688.9	677.1
65°	264.9	259.9	265.8	325.5	404.5	440.7	380.1	321.3	283.4	270.0	264.9
67.5°	99.2	91.7	85.8	91.7	115.2	121.9	111.9	93.4	87.5	90.0	91.7
70°	61.4	58.0	46.3	43.7	42.9	42.0	44.6	47.1	53.8	63.1	64.8
72.5°	42.9	40.4	32.8	31.1	29.4	28.6	32.8	36.2	42.0	48.8	49.6
75°	16.8	17.7	16.8	18.5	19.3	20.2	23.5	26.1	28.6	28.6	27.8
77.5°	3.4	3.4	5.0	6.7	8.4	10.9	16.0	18.5	19.3	18.5	16.0
80°	0.0	0.0	1.7	3.4	6.7	9.3	14.3	16.0	17.7	16.0	12.6
82.5°	0.0	0.0	1.7	4.2	6.7	8.4	13.5	16.8	19.3	17.7	13.5
85°	0.0	0.0	1.7	3.4	5.0	5.9	5.9	4.2	4.2	2.5	1.7
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)