

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: P527029

Luminaire Tested: **GALN-SA2A-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527029
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-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 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: 4469 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

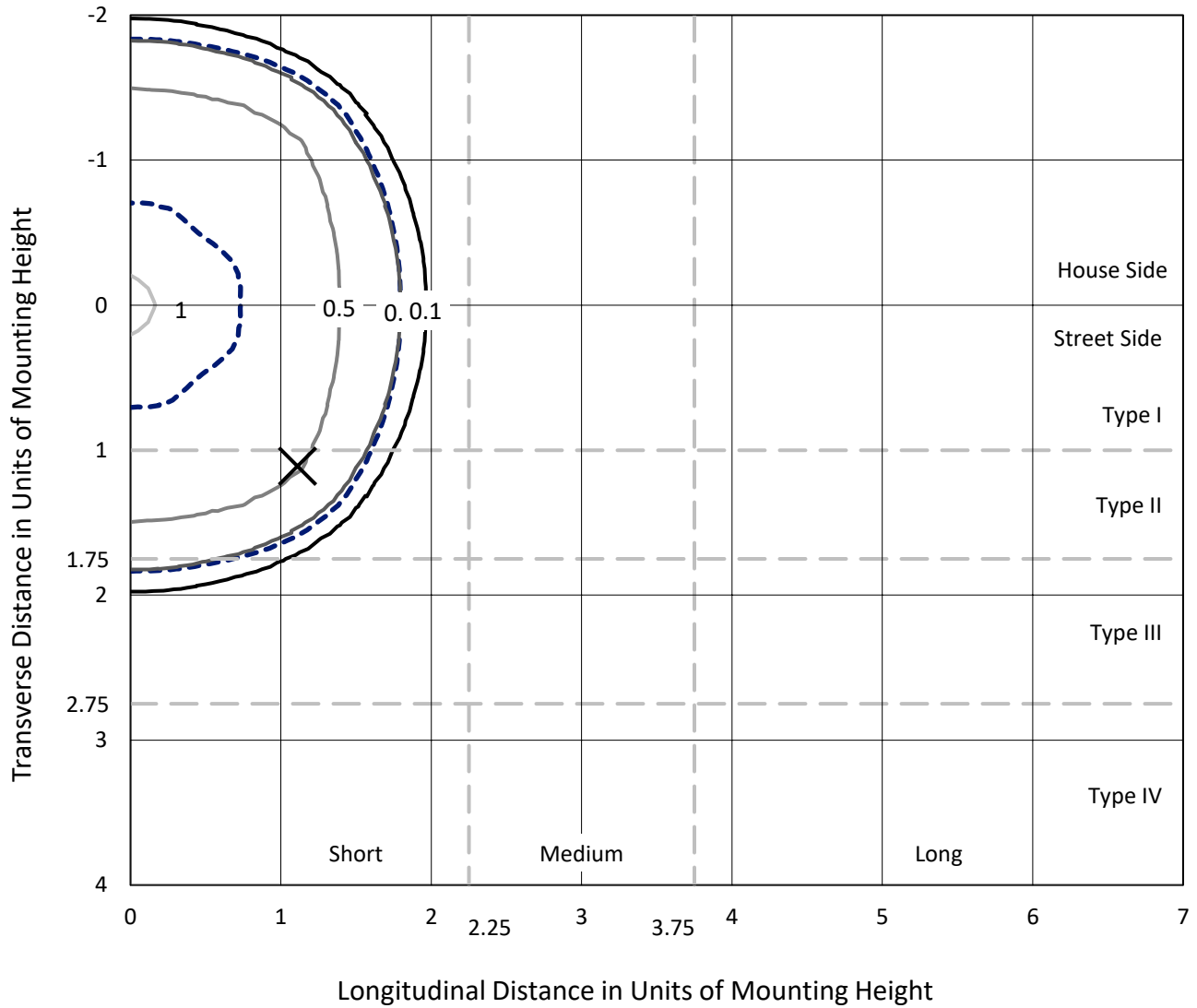
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

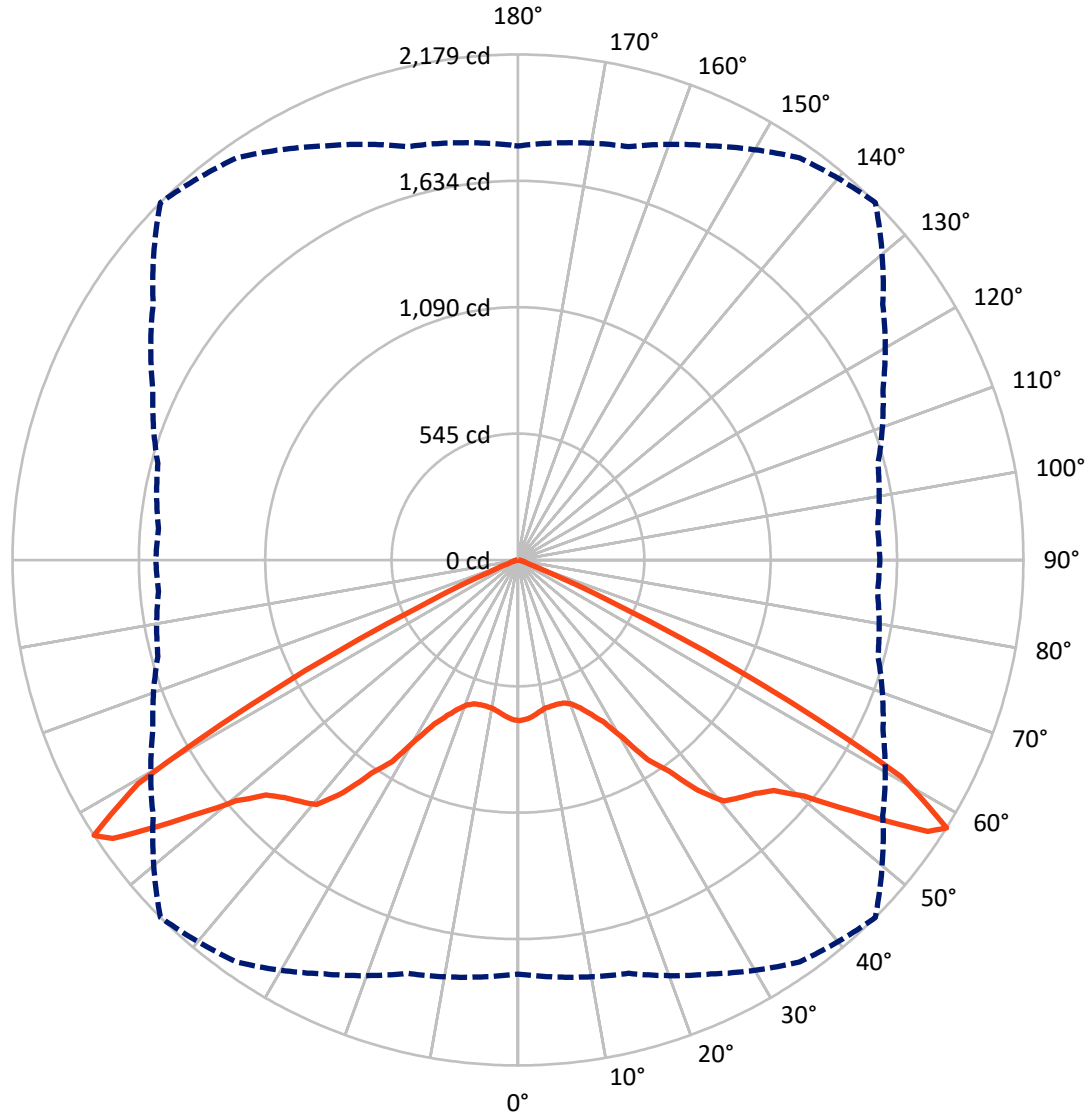
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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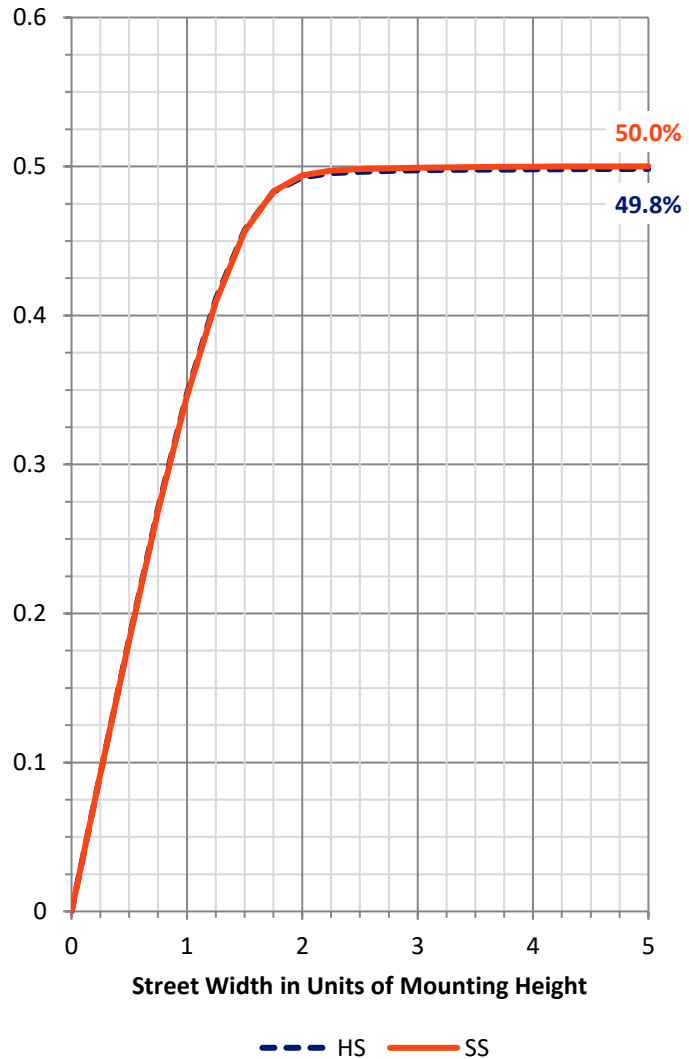
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2234.5	0.0	2234.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2234.5	0.0	2234.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4469.0	0.0	4469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.4
10°-20°	184.1	4.1
20°-30°	339.9	7.6
30°-40°	668.4	15.0
40°-50°	1088.6	24.4
50°-60°	1552.5	34.7
60°-70°	537.5	12.0
70°-80°	28.8	0.6
80°-90°	5.4	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°	4469.0	100.0
0°-180°	4469.0	100.0

Coefficient of Utilization

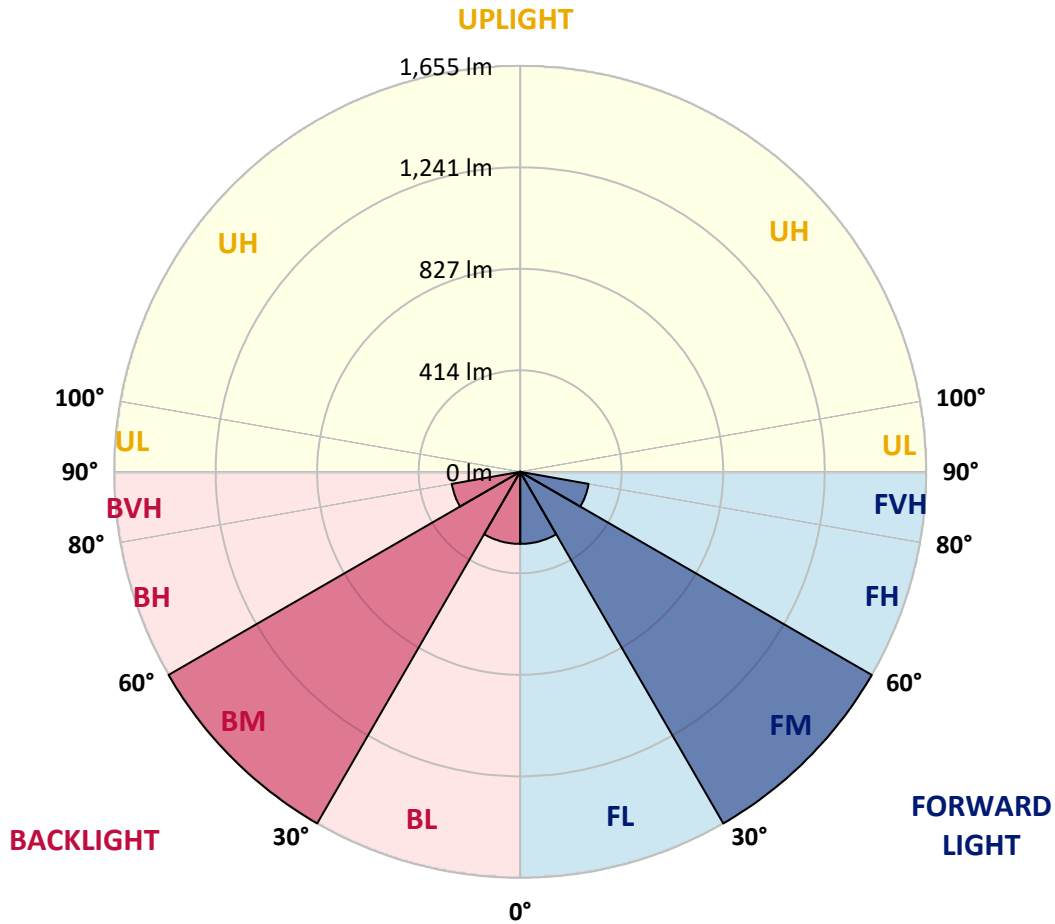


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.8	6.6			
FM (30°-60°)	1654.8	37.0			
FH (60°-80°)	283.2	6.3			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	293.8	6.6	B1/500		
BM (30°-60°)	1654.8	37.0	B2/2500		
BH (60°-80°)	283.2	6.3	B1/500		G0/660
BVH (80°-90°)	2.7	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°	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2	693.2
2.5°	691.3	695.1	690.4	688.5	687.6	687.6	684.8	684.8	683.9	684.8	681.1
5°	680.1	683.9	683.9	682.9	677.3	676.4	673.6	671.8	672.7	669.0	671.8
7.5°	669.0	671.8	668.0	667.1	665.2	661.5	660.6	652.2	653.1	653.1	655.0
10°	667.1	666.2	660.6	655.9	650.3	649.4	646.6	644.7	644.7	643.8	646.6
12.5°	667.1	662.4	661.5	651.3	641.9	645.7	638.2	633.6	640.1	641.9	645.7
15°	666.2	670.8	655.0	650.3	643.8	644.7	638.2	633.6	637.3	639.1	641.9
17.5°	671.8	669.0	664.3	655.0	652.2	648.5	640.1	636.4	636.4	641.0	641.9
20°	686.7	679.2	669.9	665.2	668.0	663.4	653.1	639.1	642.9	646.6	649.4
22.5°	700.6	695.1	688.5	685.7	701.6	694.1	676.4	660.6	655.0	661.5	666.2
25°	727.7	727.7	715.5	719.3	737.0	737.9	717.4	689.5	685.7	688.5	690.4
27.5°	782.6	785.4	775.2	778.9	786.4	792.9	775.2	751.9	743.5	742.6	745.4
30°	842.3	847.9	846.9	862.8	884.2	887.9	861.8	823.6	798.5	793.8	797.5
32.5°	920.5	923.3	921.5	940.1	997.9	1024.9	956.9	902.8	869.3	877.7	869.3
35°	1067.7	1064.9	1044.4	1048.2	1095.7	1115.3	1050.0	1015.6	999.7	1016.5	1012.8
37.5°	1194.4	1184.2	1167.4	1191.7	1241.0	1258.7	1190.7	1130.2	1101.3	1129.2	1141.3
40°	1301.6	1275.5	1252.2	1276.4	1342.6	1366.8	1267.1	1217.7	1206.6	1227.1	1253.1
42.5°	1392.0	1375.2	1344.5	1346.3	1390.1	1401.3	1321.2	1292.3	1281.1	1313.7	1326.7
45°	1456.3	1440.4	1411.5	1409.7	1443.2	1435.8	1364.0	1344.5	1351.0	1372.4	1378.9
47.5°	1488.9	1497.3	1480.5	1485.1	1502.8	1485.1	1428.3	1428.3	1413.4	1426.4	1419.9
50°	1583.0	1556.9	1578.3	1578.3	1596.9	1598.8	1542.0	1521.5	1481.4	1459.1	1459.1
52.5°	1692.9	1694.8	1703.2	1733.9	1765.6	1792.6	1711.5	1624.0	1556.9	1528.0	1524.3
55°	1783.3	1801.9	1835.5	1893.2	1984.5	2021.8	1882.0	1725.5	1643.5	1598.8	1589.5
56°	1832.7	1815.0	1872.7	1951.9	2071.2	2119.6	1910.0	1746.0	1655.6	1605.3	1604.4
57.5°	1785.1	1804.7	1844.8	1969.6	2115.9	2179.3	1920.2	1736.7	1607.2	1555.9	1560.6
60°	1409.7	1428.3	1482.3	1622.1	1851.3	1900.7	1624.9	1432.0	1316.5	1242.9	1243.8
62.5°	797.5	811.5	853.4	982.9	1125.5	1173.0	1012.8	884.2	804.1	763.1	750.0
65°	293.5	287.9	294.4	360.6	448.2	488.2	421.1	355.9	314.0	299.1	293.5
67.5°	109.9	101.6	95.0	101.6	127.6	135.1	123.9	103.4	96.9	99.7	101.6
70°	68.0	64.3	51.2	48.4	47.5	46.6	49.4	52.2	59.6	69.9	71.7
72.5°	47.5	44.7	36.3	34.5	32.6	31.7	36.3	40.1	46.6	54.0	55.0
75°	18.6	19.6	18.6	20.5	21.4	22.4	26.1	28.9	31.7	31.7	30.7
77.5°	3.7	3.7	5.6	7.5	9.3	12.1	17.7	20.5	21.4	20.5	17.7
80°	0.0	0.0	1.9	3.7	7.5	10.2	15.8	17.7	19.6	17.7	14.0
82.5°	0.0	0.0	1.9	4.7	7.5	9.3	14.9	18.6	21.4	19.6	14.9
85°	0.0	0.0	1.9	3.7	5.6	6.5	6.5	4.7	4.7	2.8	1.9
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)