

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: P647748

Luminaire Tested: **GALN-SA2A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4321.4 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

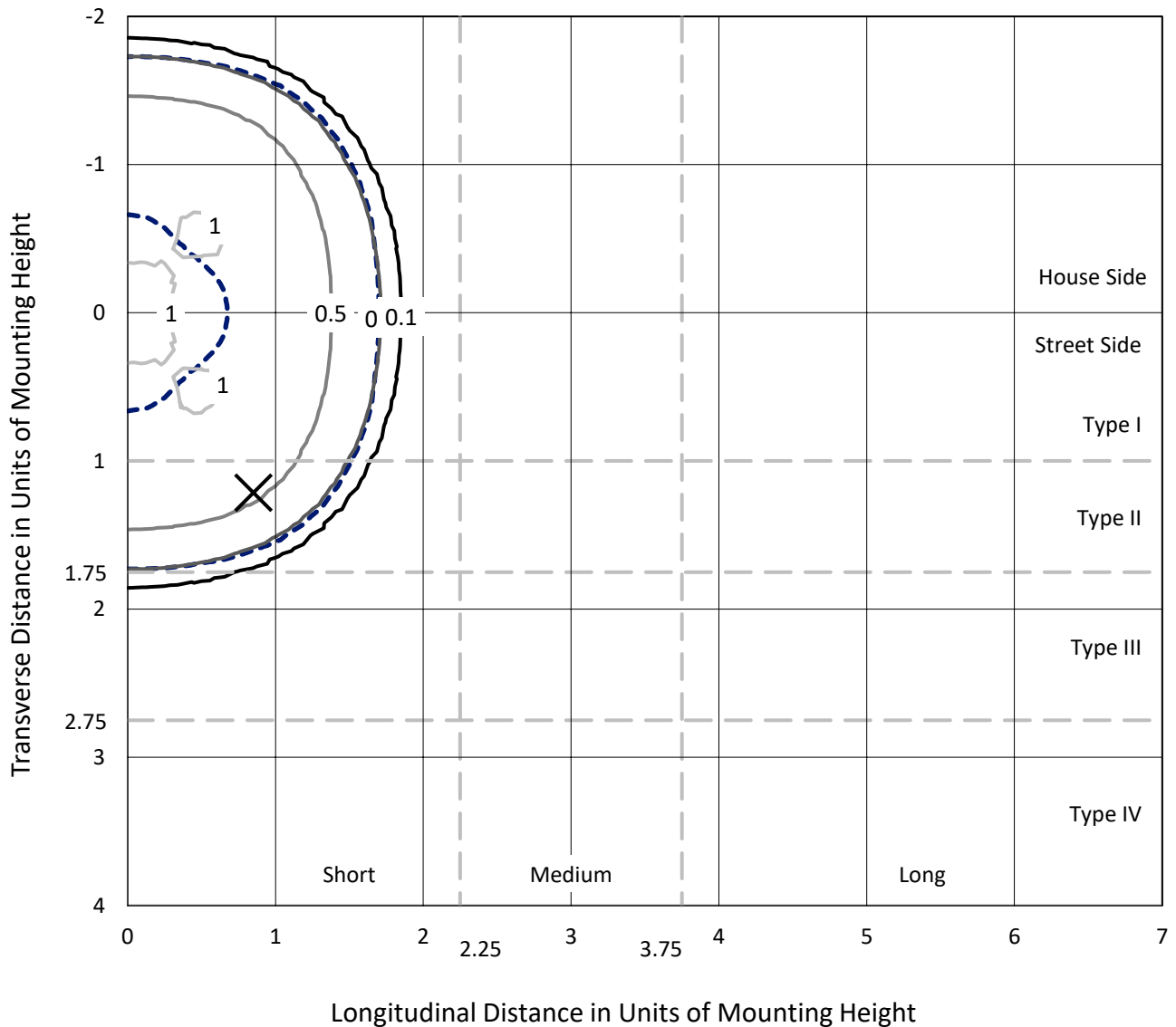
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

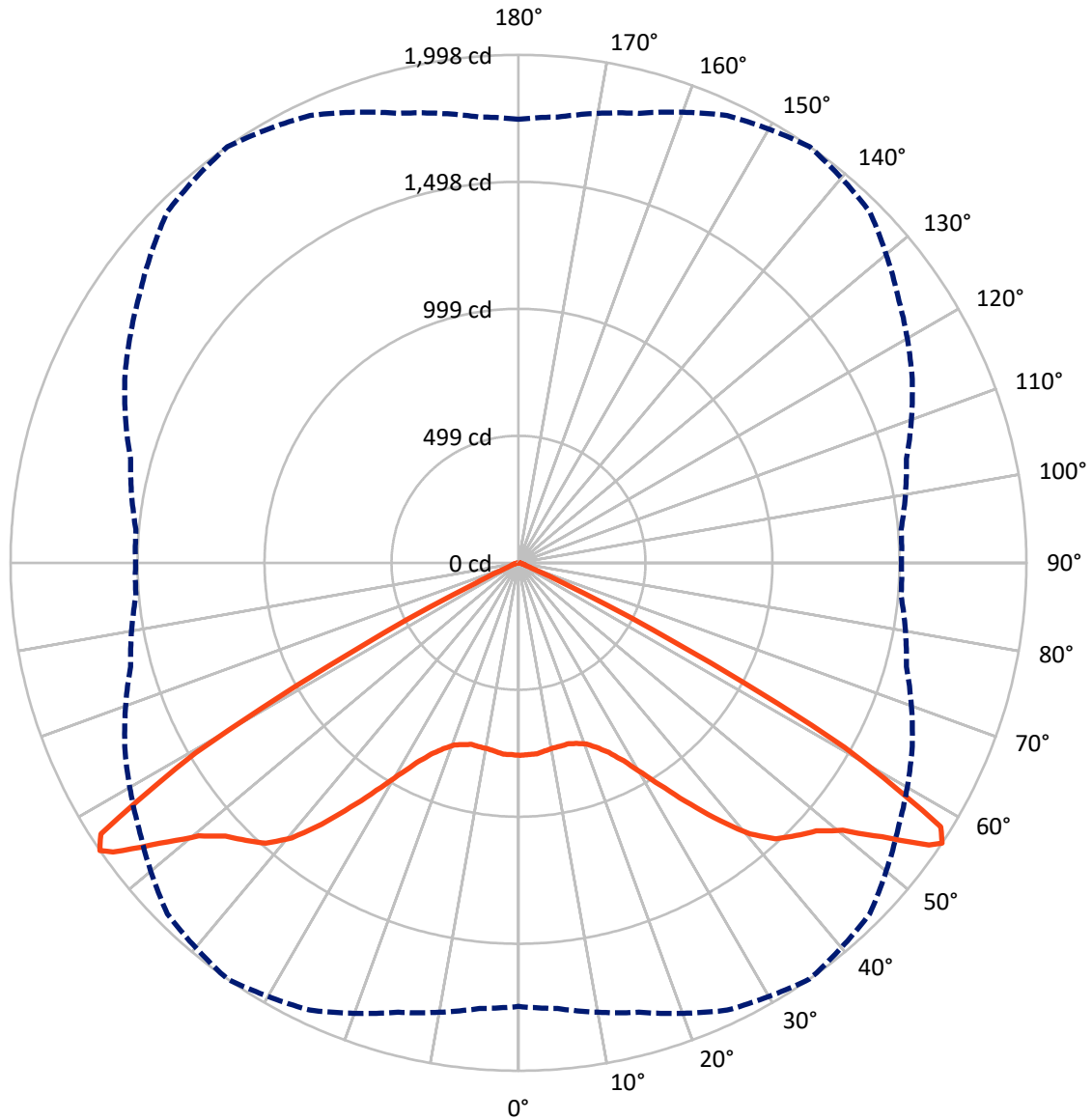
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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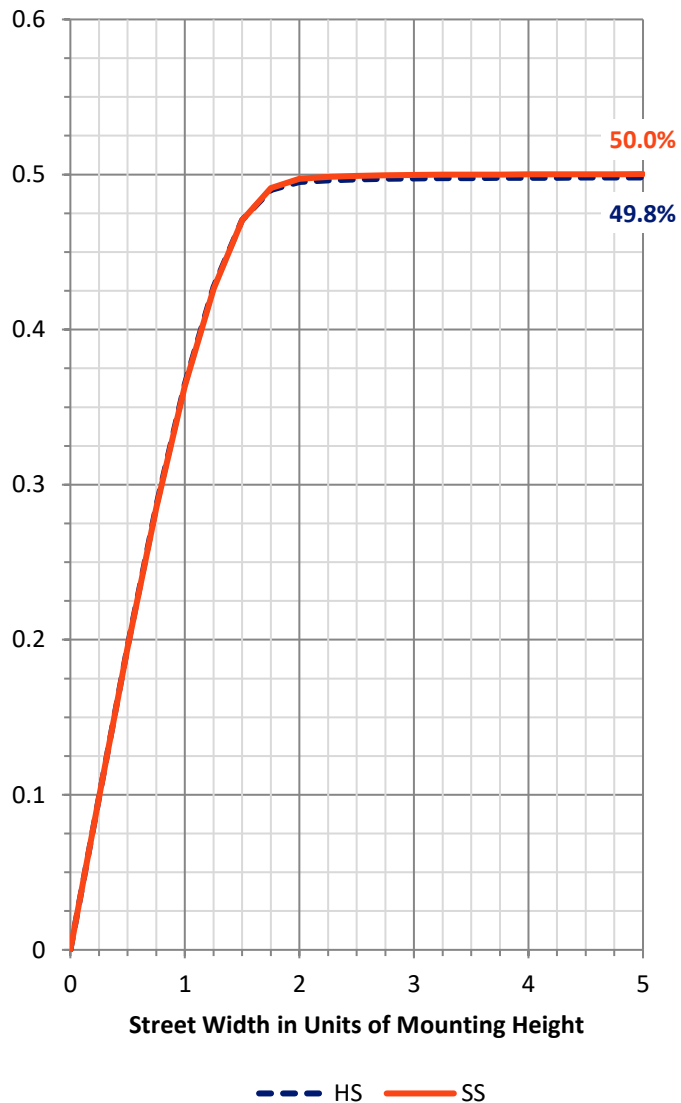
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2160.7	0.0	2160.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2160.7	0.0	2160.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4321.4	0.0	4321.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.6
10°-20°	207.8	4.8
20°-30°	376.2	8.7
30°-40°	697.7	16.1
40°-50°	1145.2	26.5
50°-60°	1475.3	34.1
60°-70°	325.1	7.5
70°-80°	18.9	0.4
80°-90°	4.0	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°	4321.4	100.0
0°-180°	4321.4	100.0

Coefficient of Utilization

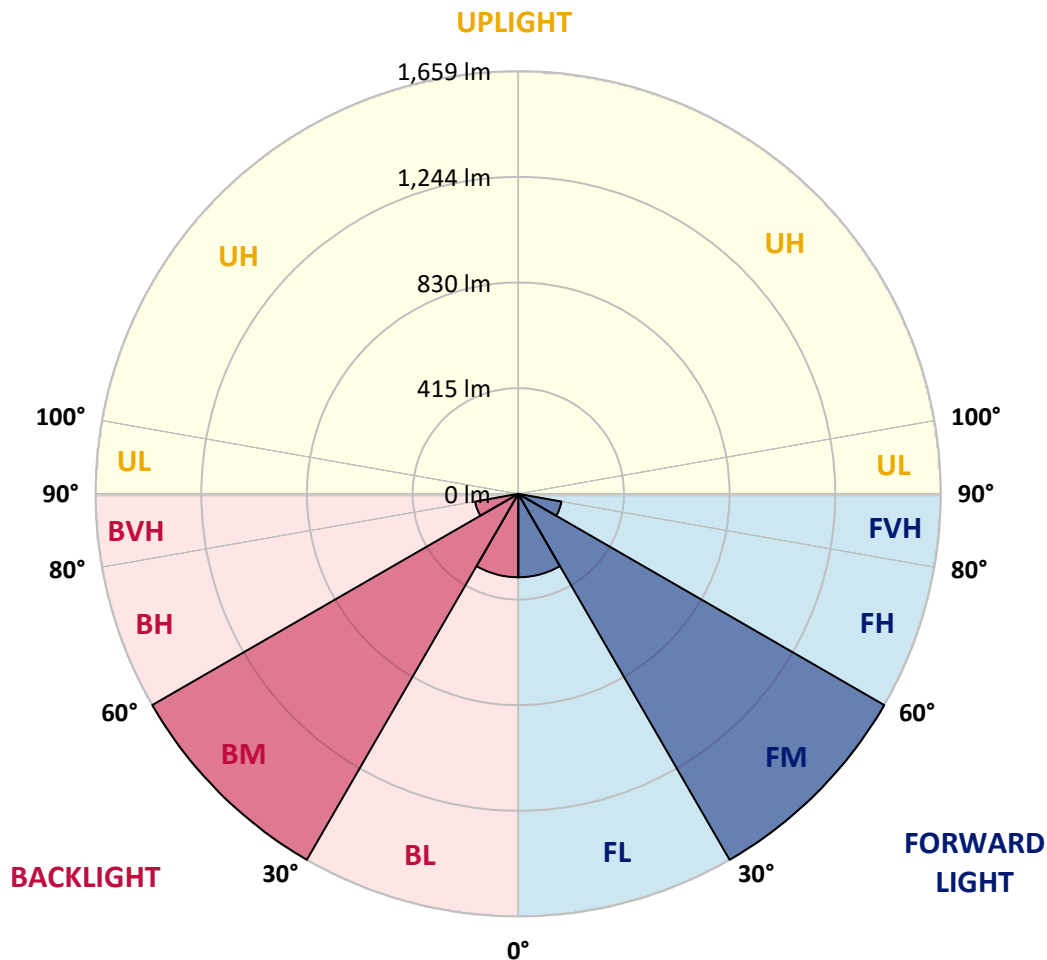


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.6	7.6			
FM (30°-60°)	1659.1	38.4			
FH (60°-80°)	172.0	4.0			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	327.6	7.6	B1/500		
BM (30°-60°)	1659.1	38.4	B2/2500		
BH (60°-80°)	172.0	4.0	B1/500		G0/660
BVH (80°-90°)	2.0	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°	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2	757.2
2.5°	758.7	758.7	759.5	760.3	754.8	752.5	753.2	751.7	750.9	753.2	753.2
5°	756.4	756.4	754.0	754.8	754.8	747.8	747.8	749.3	749.3	744.6	743.1
7.5°	750.1	748.5	745.4	749.3	747.0	747.0	741.5	737.6	736.0	739.2	736.0
10°	736.8	737.6	740.7	742.3	740.7	745.4	736.0	730.5	725.1	722.7	722.7
12.5°	730.5	735.2	730.5	734.5	739.9	736.0	730.5	726.6	718.8	715.7	715.7
15°	729.8	732.9	734.5	739.9	737.6	739.2	728.2	723.5	711.7	706.3	703.9
17.5°	729.0	732.9	735.2	745.4	747.0	747.8	739.2	725.1	714.9	709.4	703.9
20°	737.6	739.2	743.8	754.0	760.3	771.3	755.6	740.7	718.8	712.5	710.2
22.5°	748.5	756.4	761.1	772.0	788.5	798.0	777.5	758.7	736.0	728.2	718.8
25°	783.8	782.2	790.0	812.8	826.1	833.2	816.7	789.3	759.5	750.1	751.7
27.5°	827.7	829.3	836.3	861.4	881.0	891.9	872.3	836.3	807.4	791.6	790.0
30°	884.9	883.3	891.1	924.8	960.0	976.5	942.0	899.7	871.6	851.2	855.9
32.5°	945.2	945.9	967.9	998.4	1055.6	1087.7	1032.1	980.4	938.1	924.0	917.0
35°	1034.4	1038.3	1055.6	1102.5	1166.0	1207.5	1146.4	1084.5	1036.0	1010.1	1013.3
37.5°	1144.8	1140.9	1169.9	1220.8	1287.3	1317.9	1266.2	1195.7	1146.4	1129.2	1140.1
40°	1262.3	1266.2	1281.1	1327.3	1401.6	1422.0	1345.3	1306.9	1263.8	1255.2	1268.5
42.5°	1379.7	1377.4	1388.3	1429.8	1483.9	1469.8	1424.4	1401.6	1371.1	1353.9	1371.9
45°	1465.9	1461.9	1482.3	1510.5	1530.1	1503.4	1483.1	1475.3	1459.6	1440.8	1457.2
47.5°	1549.6	1546.5	1566.1	1573.9	1575.5	1540.2	1544.2	1558.2	1519.1	1479.9	1498.7
50°	1620.9	1615.4	1639.7	1656.9	1653.0	1596.6	1610.7	1596.6	1535.5	1489.3	1482.3
52.5°	1739.9	1742.3	1768.1	1799.4	1790.0	1743.0	1722.7	1658.5	1580.2	1538.7	1514.4
55°	1815.1	1803.3	1848.0	1947.4	1958.4	1909.8	1819.8	1725.0	1607.6	1556.7	1550.4
56°	1744.6	1759.5	1829.9	1941.1	1997.5	1952.9	1822.1	1708.6	1579.4	1510.5	1505.8
57.5°	1565.3	1557.5	1653.0	1804.9	1958.4	1939.6	1757.9	1591.1	1440.8	1363.3	1353.9
60°	974.1	996.8	1080.6	1268.5	1473.7	1483.1	1303.0	1159.7	984.3	915.4	931.8
62.5°	381.3	361.7	414.2	554.4	695.3	726.6	658.5	547.3	449.4	381.3	376.6
65°	88.5	86.1	97.1	133.9	187.1	216.9	205.9	148.0	108.8	103.4	95.5
67.5°	50.1	50.1	47.8	47.8	52.5	55.6	53.2	52.5	54.8	57.2	56.4
70°	35.2	34.5	32.9	33.7	32.1	32.1	34.5	38.4	41.5	41.5	42.3
72.5°	21.1	21.1	21.1	23.5	23.5	23.5	25.8	29.0	29.8	29.0	28.2
75°	9.4	9.4	11.0	13.3	14.9	15.7	18.0	19.6	21.1	19.6	18.0
77.5°	2.3	2.3	3.9	5.5	7.0	8.6	11.7	14.1	14.9	14.1	11.7
80°	0.8	0.8	1.6	3.9	7.0	8.6	11.7	12.5	13.3	11.7	9.4
82.5°	0.8	0.8	1.6	3.9	5.5	7.0	9.4	11.0	11.7	10.2	9.4
85°	0.0	0.8	1.6	3.1	4.7	6.3	6.3	4.7	3.9	2.3	3.1
87.5°	0.0	0.0	0.8	0.8	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)