

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: P648249

Luminaire Tested: **GALN-SA2B-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648249
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-SA2B-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA 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: 4673.7 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

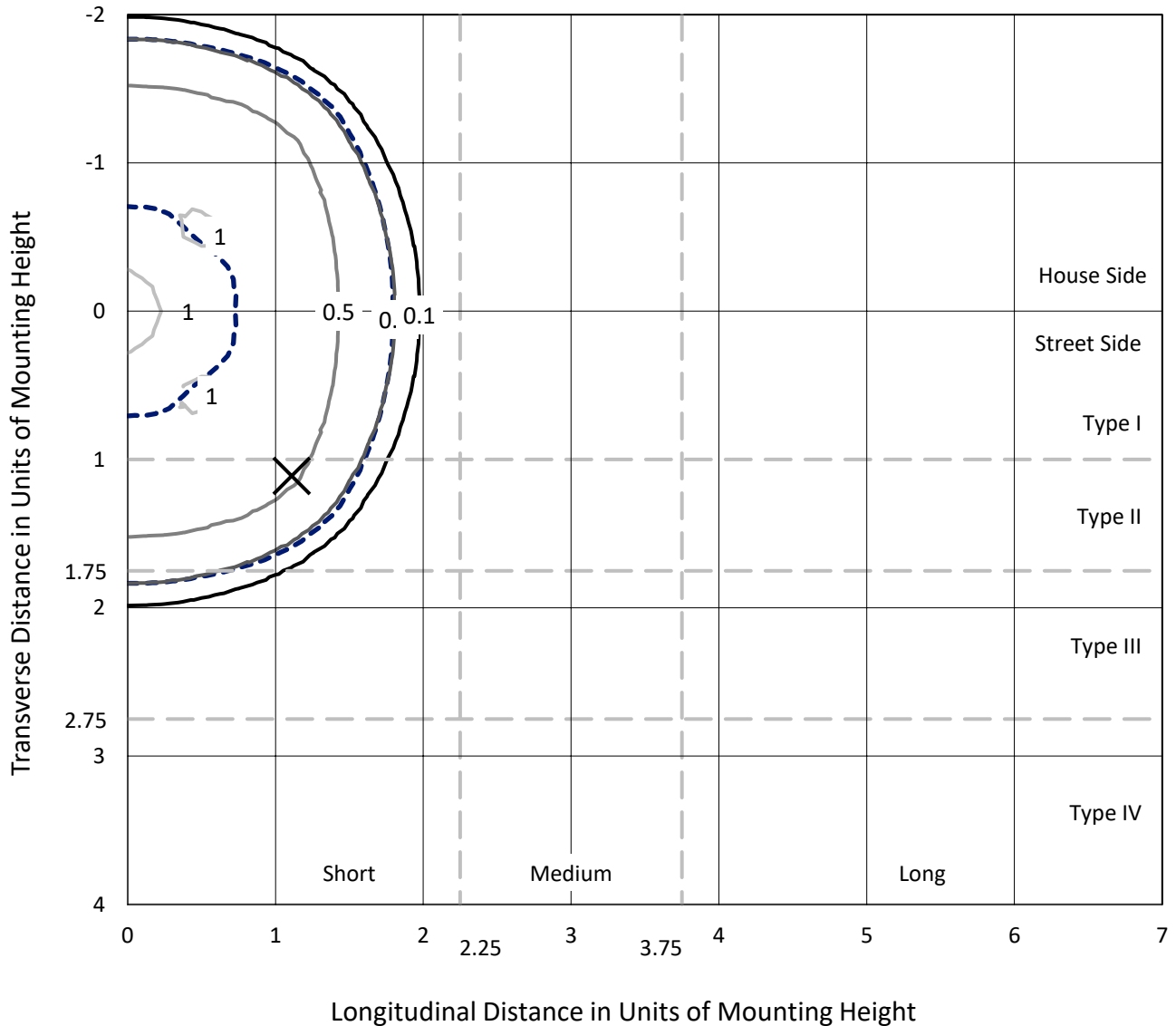
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

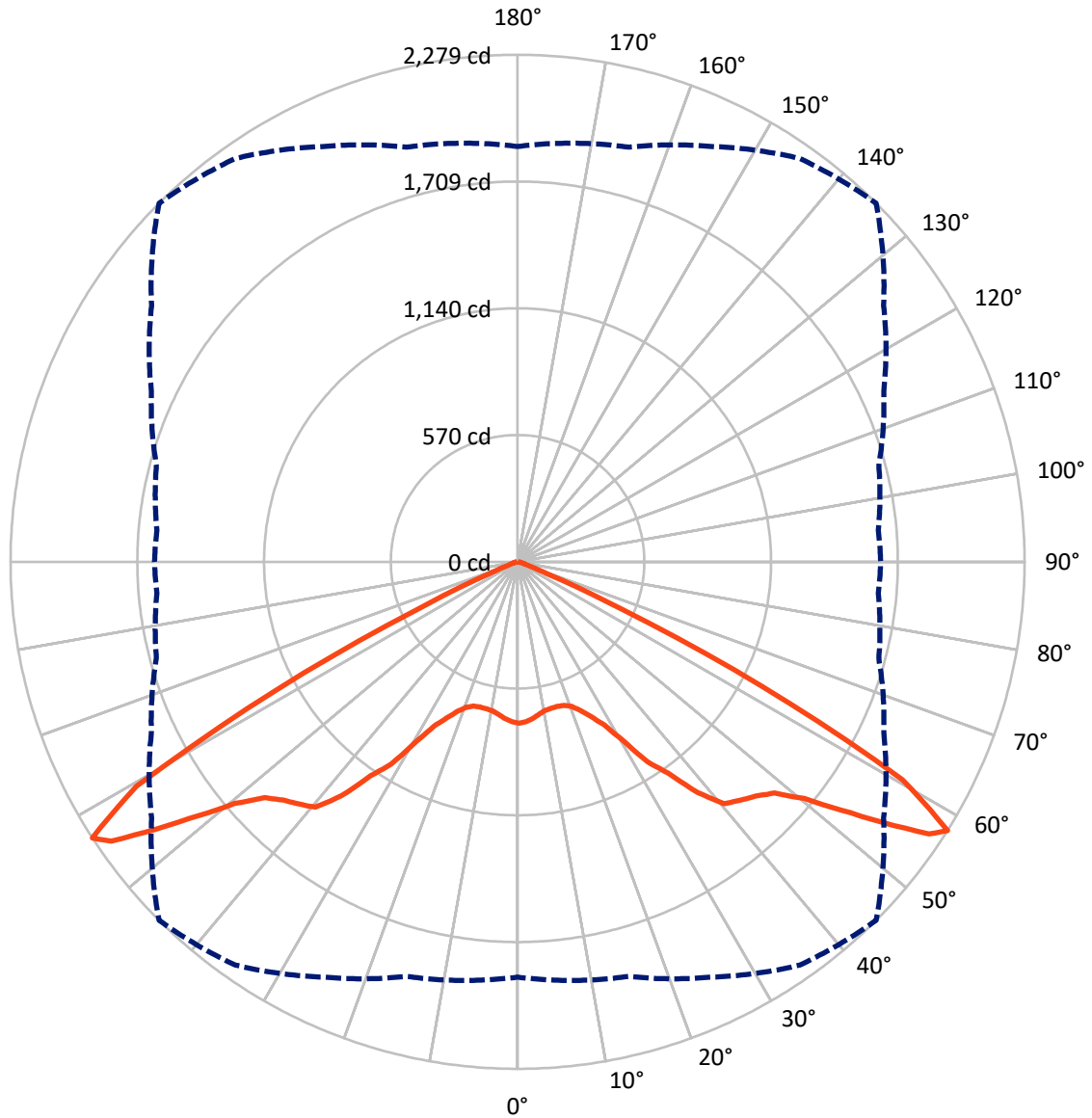
× Max cd
 - - - 1/2 Max cd



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

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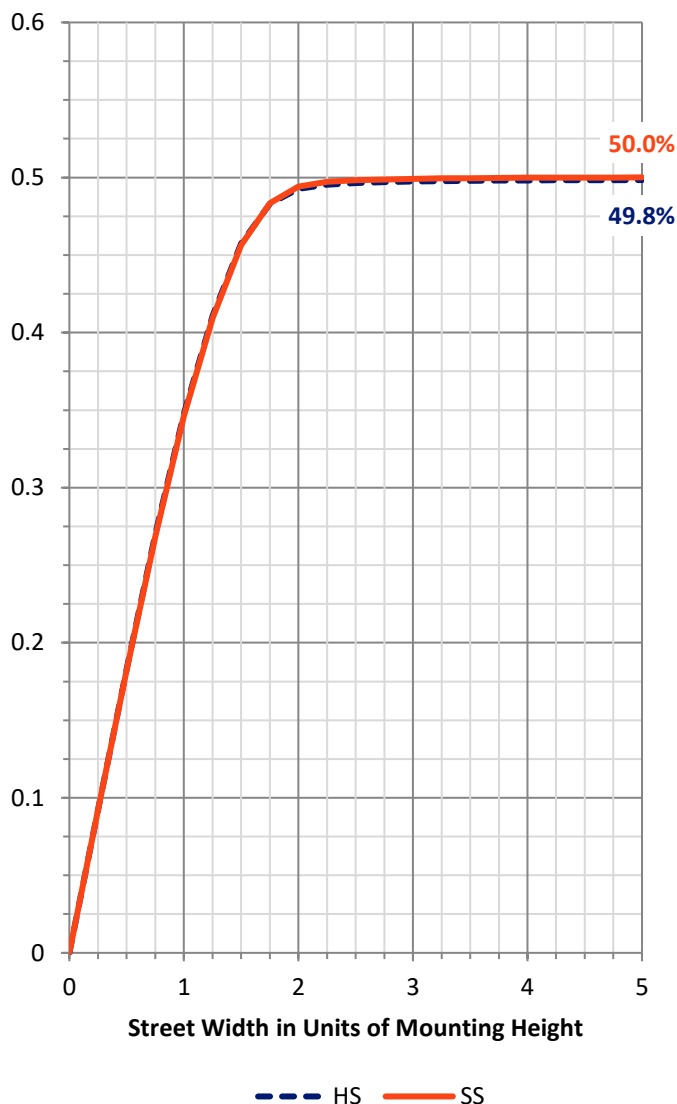
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.9	0.0	2336.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2336.9	0.0	2336.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4673.7	0.0	4673.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.4
10°-20°	192.6	4.1
20°-30°	355.4	7.6
30°-40°	699.0	15.0
40°-50°	1138.5	24.4
50°-60°	1623.6	34.7
60°-70°	562.1	12.0
70°-80°	30.2	0.6
80°-90°	5.7	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°	4673.7	100.0
0°-180°	4673.7	100.0

Coefficient of Utilization

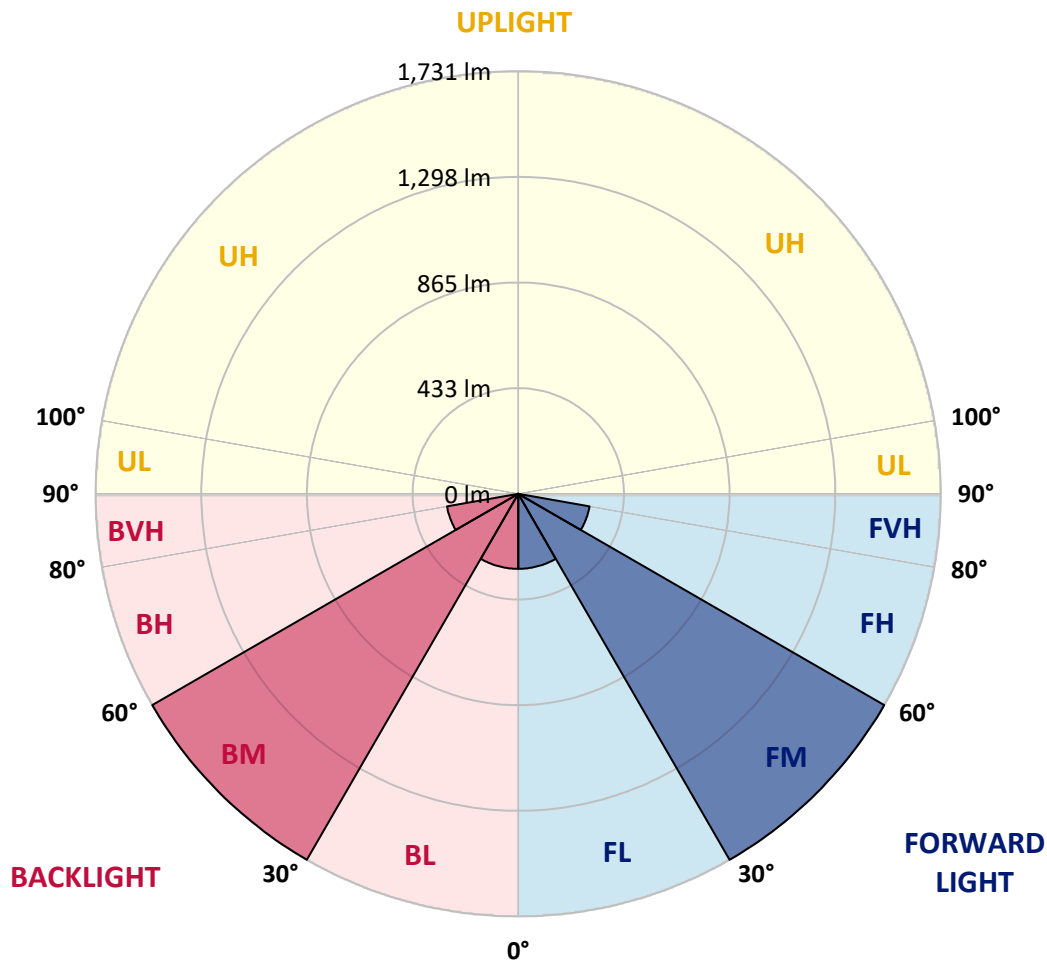


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.3	6.6			
FM (30°-60°)	1730.6	37.0			
FH (60°-80°)	296.1	6.3			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	307.3	6.6	B1/500		
BM (30°-60°)	1730.6	37.0	B2/2500		
BH (60°-80°)	296.1	6.3	B1/500		G0/660
BVH (80°-90°)	2.8	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°	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0	725.0
2.5°	723.0	726.9	722.0	720.0	719.1	719.1	716.2	716.2	715.2	716.2	712.3
5°	711.3	715.2	715.2	714.3	708.4	707.4	704.5	702.5	703.5	699.6	702.5
7.5°	699.6	702.5	698.7	697.7	695.7	691.8	690.8	682.1	683.0	683.0	685.0
10°	697.7	696.7	690.8	686.0	680.1	679.2	676.2	674.2	674.2	673.3	676.2
12.5°	697.7	692.8	691.8	681.1	671.3	675.3	667.4	662.6	669.4	671.3	675.3
15°	696.7	701.6	685.0	680.1	673.3	674.2	667.4	662.6	666.5	668.4	671.3
17.5°	702.5	699.6	694.8	685.0	682.1	678.2	669.4	665.5	665.5	670.4	671.3
20°	718.1	710.3	700.6	695.7	698.7	693.7	683.0	668.4	672.4	676.2	679.2
22.5°	732.7	726.9	720.0	717.1	733.7	725.9	707.4	690.8	685.0	691.8	696.7
25°	761.0	761.0	748.3	752.2	770.7	771.7	750.3	721.1	717.1	720.0	722.0
27.5°	818.5	821.4	810.7	814.6	822.4	829.2	810.7	786.4	777.6	776.6	779.5
30°	880.9	886.7	885.7	902.3	924.7	928.6	901.3	861.4	835.1	830.2	834.1
32.5°	962.7	965.6	963.6	983.1	1043.6	1071.8	1000.7	944.2	909.1	917.9	909.1
35°	1116.6	1113.7	1092.3	1096.2	1145.8	1166.4	1098.2	1062.1	1045.5	1063.1	1059.2
37.5°	1249.2	1238.5	1220.9	1246.2	1297.9	1316.4	1245.3	1181.9	1151.7	1180.9	1193.6
40°	1361.2	1333.9	1309.6	1334.9	1404.1	1429.4	1325.1	1273.5	1261.8	1283.3	1310.6
42.5°	1455.8	1438.2	1406.0	1408.0	1453.8	1465.5	1381.7	1351.5	1339.8	1373.9	1387.6
45°	1522.9	1506.4	1476.2	1474.2	1509.3	1501.6	1426.5	1406.0	1412.8	1435.2	1442.1
47.5°	1557.1	1565.8	1548.3	1553.2	1571.7	1553.2	1493.7	1493.7	1478.1	1491.8	1485.0
50°	1655.5	1628.2	1650.6	1650.6	1670.1	1672.0	1612.6	1591.2	1549.2	1525.9	1525.9
52.5°	1770.4	1772.4	1781.2	1813.3	1846.5	1874.7	1789.9	1698.3	1628.2	1598.0	1594.1
55°	1864.9	1884.4	1919.5	1980.0	2075.4	2114.4	1968.2	1804.6	1718.8	1672.0	1662.3
56°	1916.6	1898.1	1958.5	2041.4	2166.1	2216.8	1997.5	1826.0	1731.4	1678.8	1677.9
57.5°	1866.9	1887.4	1929.3	2059.8	2212.8	2279.1	2008.2	1816.2	1680.8	1627.2	1632.1
60°	1474.2	1493.7	1550.3	1696.4	1936.1	1987.7	1699.3	1497.6	1376.8	1299.9	1300.8
62.5°	834.1	848.7	892.5	1028.0	1177.1	1226.7	1059.2	924.7	840.9	798.0	784.4
65°	306.9	301.1	307.9	377.1	468.7	510.6	440.4	372.2	328.4	312.8	306.9
67.5°	114.9	106.2	99.4	106.2	133.5	141.3	129.6	108.1	101.3	104.3	106.2
70°	71.1	67.3	53.6	50.7	49.7	48.7	51.7	54.6	62.3	73.1	75.0
72.5°	49.7	46.7	38.0	36.0	34.1	33.1	38.0	41.9	48.7	56.5	57.5
75°	19.5	20.4	19.5	21.5	22.4	23.4	27.2	30.2	33.1	33.1	32.2
77.5°	3.9	3.9	5.9	7.8	9.7	12.7	18.5	21.5	22.4	21.5	18.5
80°	0.0	0.0	2.0	3.9	7.8	10.7	16.6	18.5	20.4	18.5	14.6
82.5°	0.0	0.0	2.0	4.9	7.8	9.7	15.6	19.5	22.4	20.4	15.6
85°	0.0	0.0	2.0	3.9	5.9	6.8	6.8	4.9	4.9	2.9	2.0
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)