

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: P527393

Luminaire Tested: **GALN-SA2B-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527393
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-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 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: 4743 lumens
Efficiency: N/A
Efficacy: 57.8 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

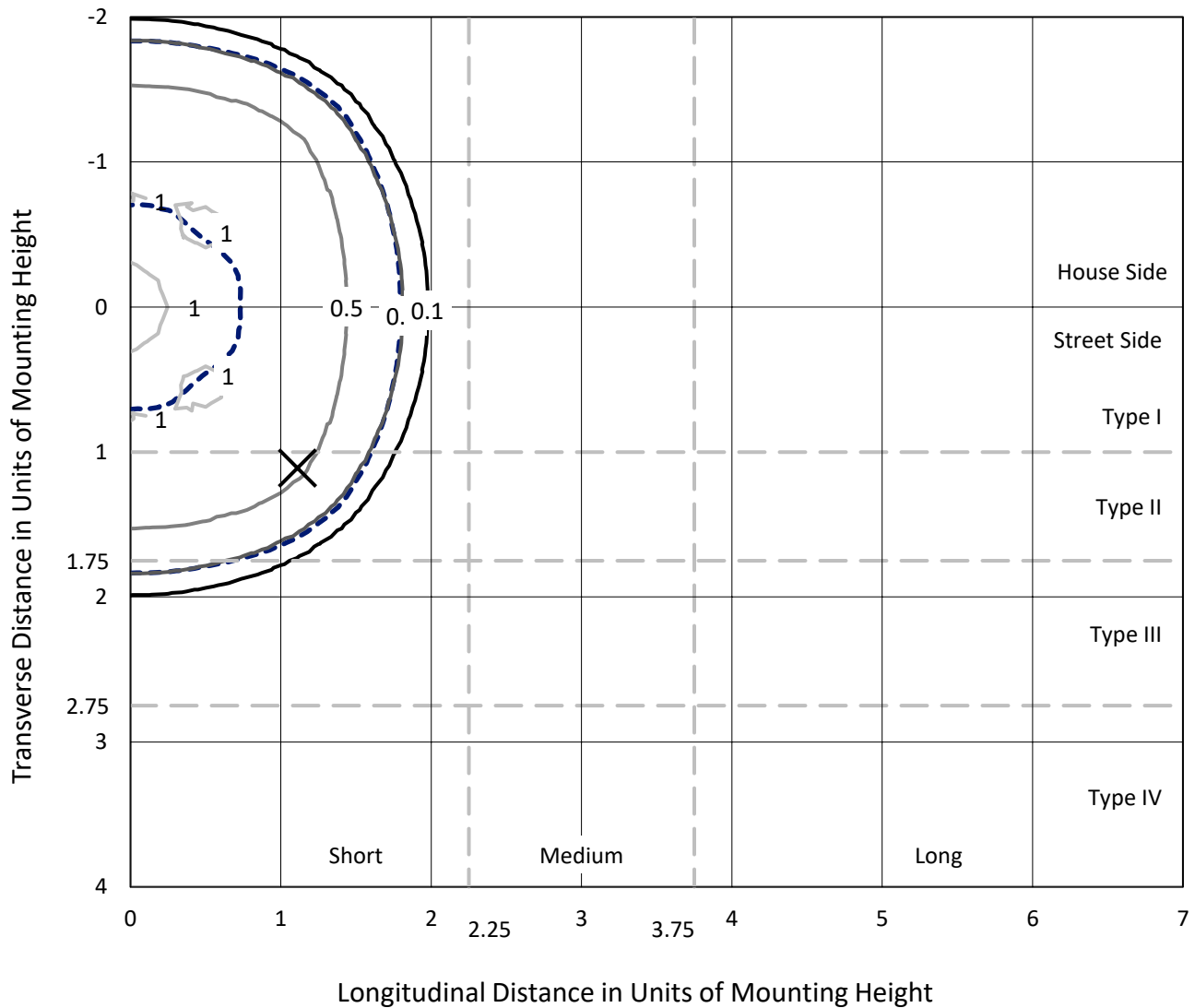


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

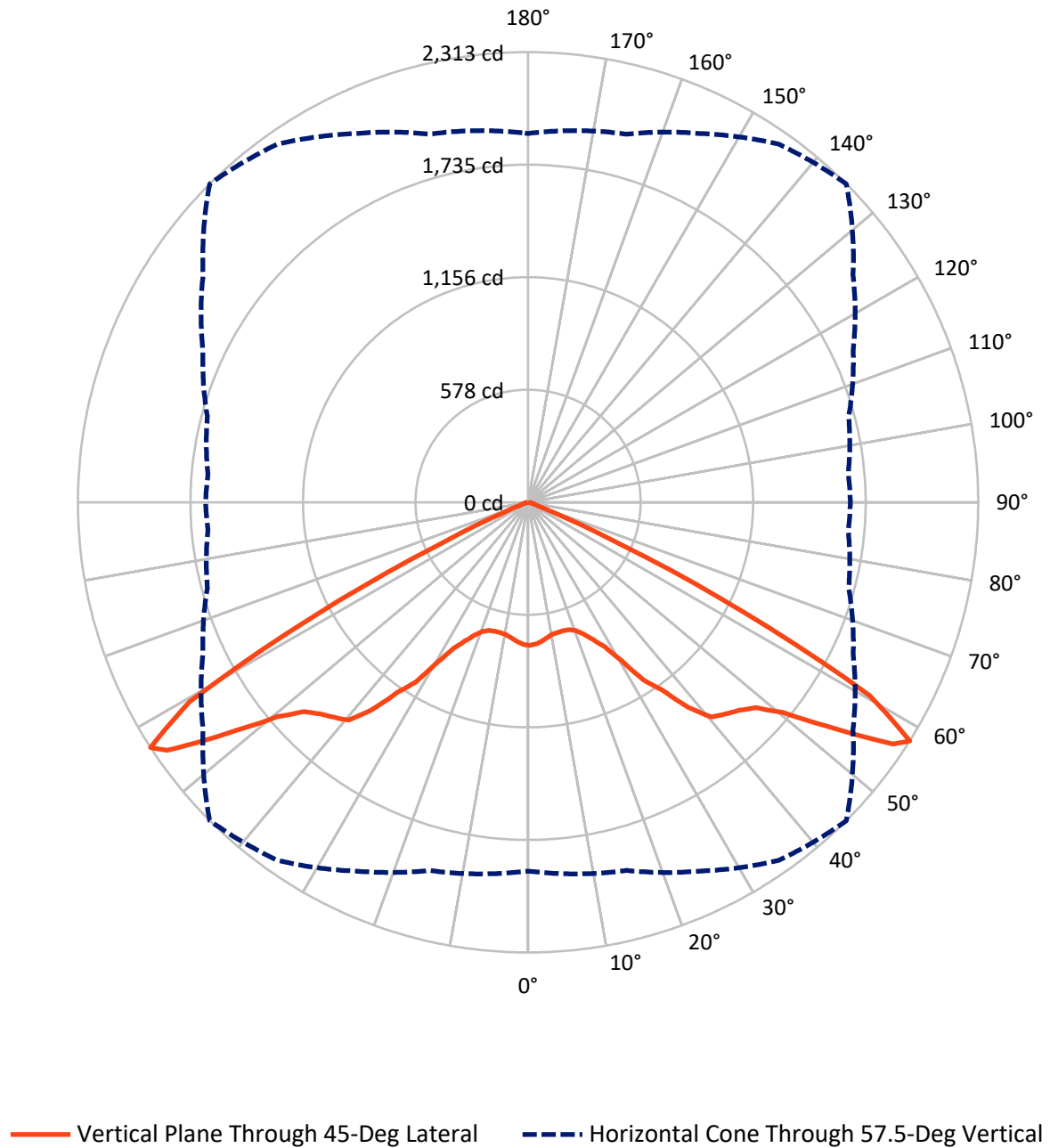


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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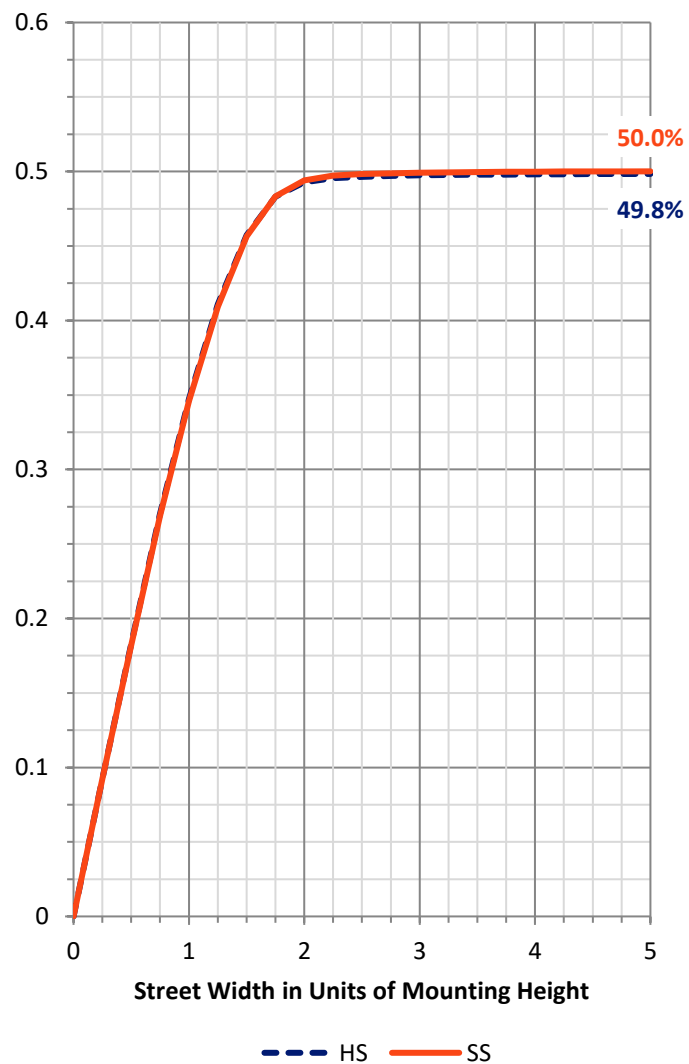
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2371.5	0.0	2371.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2371.5	0.0	2371.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4743.0	0.0	4743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.4
10°-20°	195.4	4.1
20°-30°	360.7	7.6
30°-40°	709.4	15.0
40°-50°	1155.4	24.4
50°-60°	1647.7	34.7
60°-70°	570.5	12.0
70°-80°	30.6	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°	4743.0	100.0
0°-180°	4743.0	100.0

Coefficient of Utilization



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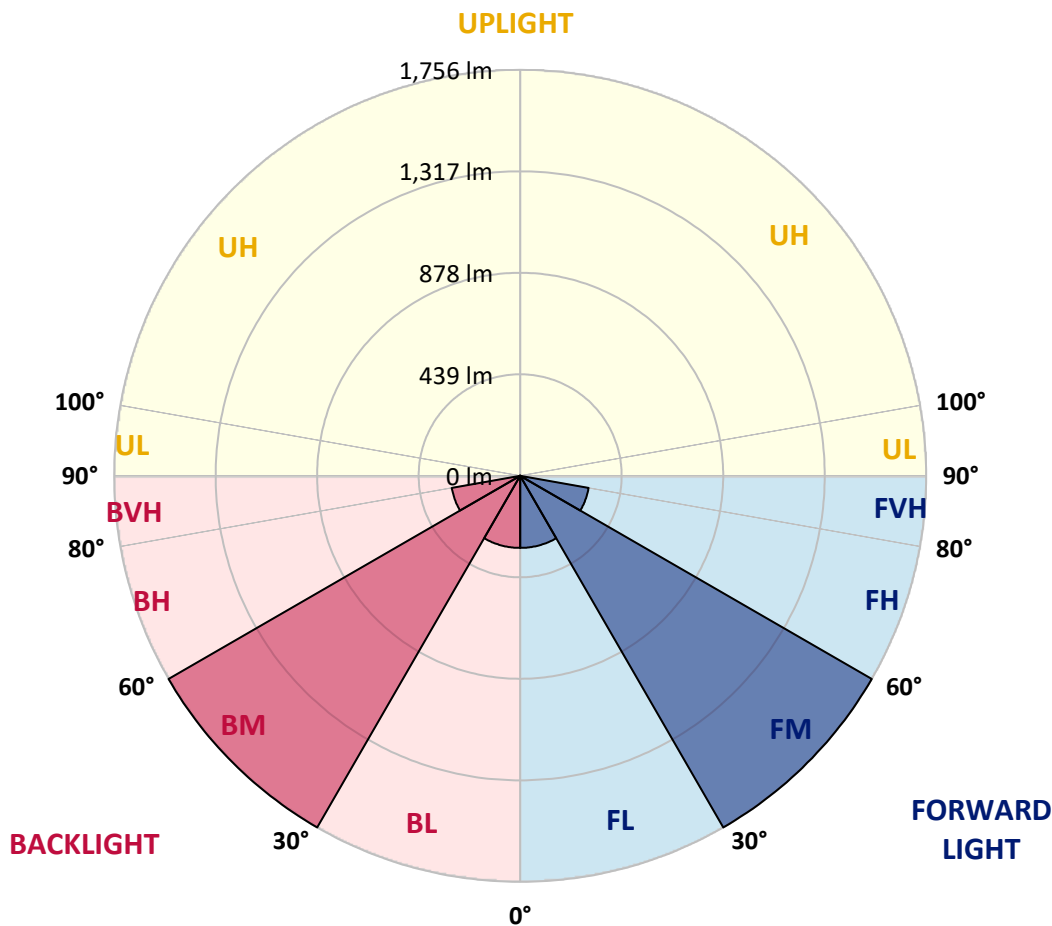
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.9	6.6			
FM	(30°-60°)	1756.2	37.0			
FH	(60°-80°)	300.5	6.3			G0/660
FVH	(80°-90°)	2.9	0.1			G0/10
BL	(0°-30°)	311.9	6.6	B1/500		
BM	(30°-60°)	1756.2	37.0	B2/2500		
BH	(60°-80°)	300.5	6.3	B1/500		G0/660
BVH	(80°-90°)	2.9	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°	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7
2.5°	733.7	737.7	732.7	730.7	729.8	729.8	726.8	726.8	725.8	726.8	722.8
5°	721.8	725.8	725.8	724.8	718.9	717.9	714.9	712.9	713.9	710.0	712.9
7.5°	710.0	712.9	709.0	708.0	706.0	702.1	701.1	692.2	693.2	693.2	695.1
10°	708.0	707.0	701.1	696.1	690.2	689.2	686.2	684.3	684.3	683.3	686.2
12.5°	708.0	703.1	702.1	691.2	681.3	685.3	677.3	672.4	679.3	681.3	685.3
15°	707.0	712.0	695.1	690.2	683.3	684.3	677.3	672.4	676.4	678.3	681.3
17.5°	712.9	710.0	705.0	695.1	692.2	688.2	679.3	675.4	675.4	680.3	681.3
20°	728.8	720.9	711.0	706.0	709.0	704.0	693.2	678.3	682.3	686.2	689.2
22.5°	743.6	737.7	730.7	727.8	744.6	736.7	717.9	701.1	695.1	702.1	707.0
25°	772.3	772.3	759.4	763.4	782.2	783.2	761.4	731.7	727.8	730.7	732.7
27.5°	830.6	833.6	822.7	826.7	834.6	841.5	822.7	798.0	789.1	788.1	791.1
30°	893.9	899.8	898.8	915.7	938.4	942.4	914.7	874.1	847.4	842.5	846.4
32.5°	977.0	979.9	978.0	997.7	1059.0	1087.7	1015.5	958.2	922.6	931.5	922.6
35°	1133.2	1130.2	1108.5	1112.4	1162.9	1183.6	1114.4	1077.8	1061.0	1078.8	1074.9
37.5°	1267.7	1256.8	1239.0	1264.7	1317.1	1335.9	1263.7	1199.4	1168.8	1198.5	1211.3
40°	1381.4	1353.7	1329.0	1354.7	1424.9	1450.6	1344.8	1292.4	1280.5	1302.3	1330.0
42.5°	1477.3	1459.5	1426.9	1428.9	1475.3	1487.2	1402.2	1371.5	1359.6	1394.2	1408.1
45°	1545.5	1528.7	1498.1	1496.1	1531.7	1523.8	1447.6	1426.9	1433.8	1456.5	1463.5
47.5°	1580.1	1589.0	1571.2	1576.2	1595.0	1576.2	1515.9	1515.9	1500.1	1513.9	1507.0
50°	1680.0	1652.3	1675.1	1675.1	1694.9	1696.8	1636.5	1614.8	1572.2	1548.5	1548.5
52.5°	1796.7	1798.7	1807.6	1840.2	1873.8	1902.5	1816.5	1723.5	1652.3	1621.7	1617.7
55°	1892.6	1912.4	1948.0	2009.3	2106.2	2145.8	1997.4	1831.3	1744.3	1696.8	1686.9
56°	1945.0	1926.2	1987.5	2071.6	2198.2	2249.6	2027.1	1853.1	1757.1	1703.8	1702.8
57.5°	1894.6	1915.4	1957.9	2090.4	2245.6	2312.9	2038.0	1843.2	1705.7	1651.3	1656.3
60°	1496.1	1515.9	1573.2	1721.6	1964.8	2017.2	1724.5	1519.8	1397.2	1319.1	1320.1
62.5°	846.4	861.3	905.8	1043.2	1194.5	1244.9	1074.9	938.4	853.4	809.9	796.0
65°	311.5	305.5	312.5	382.7	475.6	518.1	447.0	377.7	333.2	317.4	311.5
67.5°	116.7	107.8	100.9	107.8	135.5	143.4	131.5	109.8	102.8	105.8	107.8
70°	72.2	68.2	54.4	51.4	50.4	49.4	52.4	55.4	63.3	74.2	76.1
72.5°	50.4	47.5	38.6	36.6	34.6	33.6	38.6	42.5	49.4	57.4	58.3
75°	19.8	20.8	19.8	21.8	22.7	23.7	27.7	30.7	33.6	33.6	32.6
77.5°	4.0	4.0	5.9	7.9	9.9	12.9	18.8	21.8	22.7	21.8	18.8
80°	0.0	0.0	2.0	4.0	7.9	10.9	16.8	18.8	20.8	18.8	14.8
82.5°	0.0	0.0	2.0	4.9	7.9	9.9	15.8	19.8	22.7	20.8	15.8
85°	0.0	0.0	2.0	4.0	5.9	6.9	6.9	4.9	4.9	3.0	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)