

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: P527155

Luminaire Tested: **GALN-SA2A-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527155
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-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 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: 4386 lumens
Efficiency: N/A
Efficacy: 69.6 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



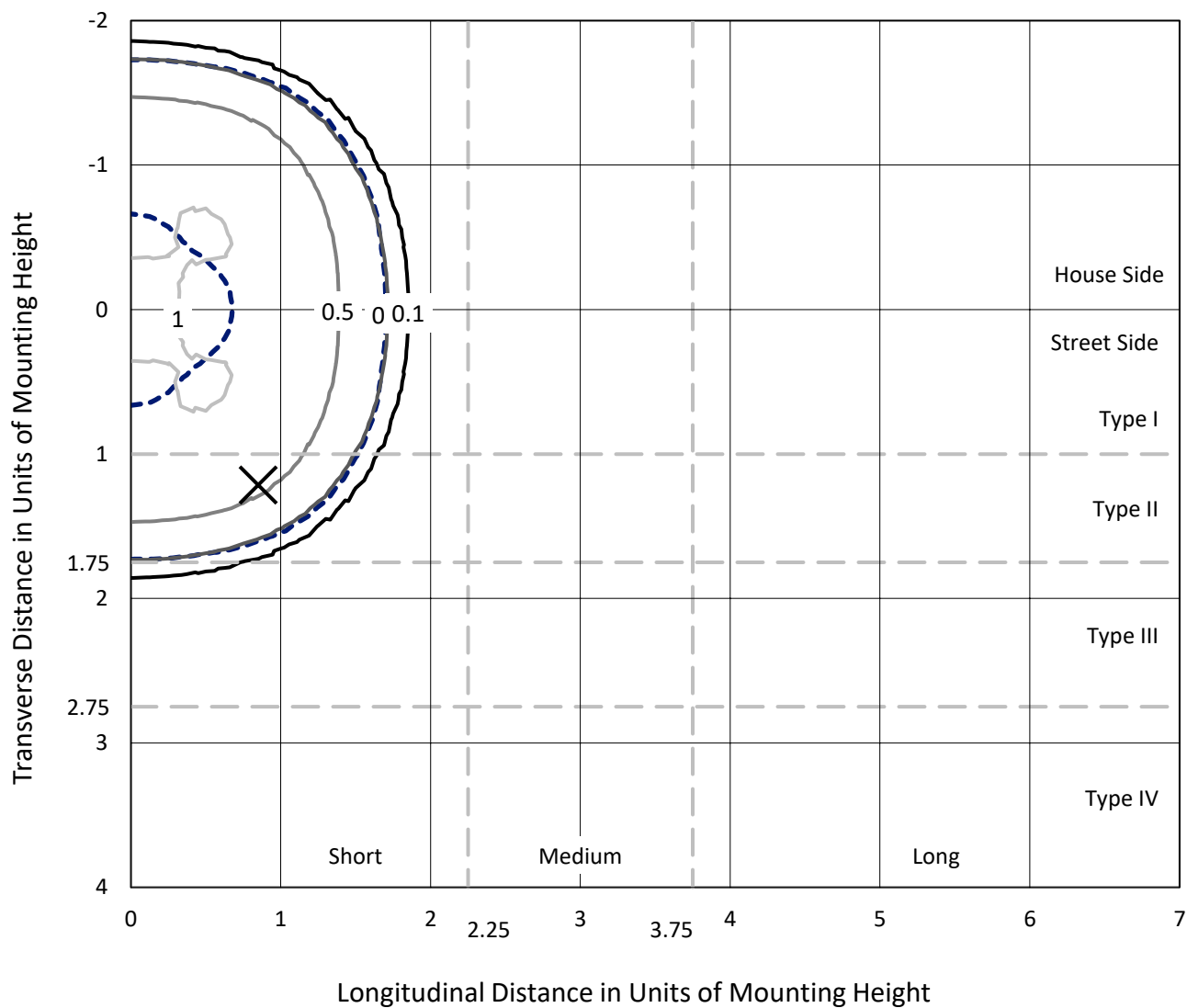
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

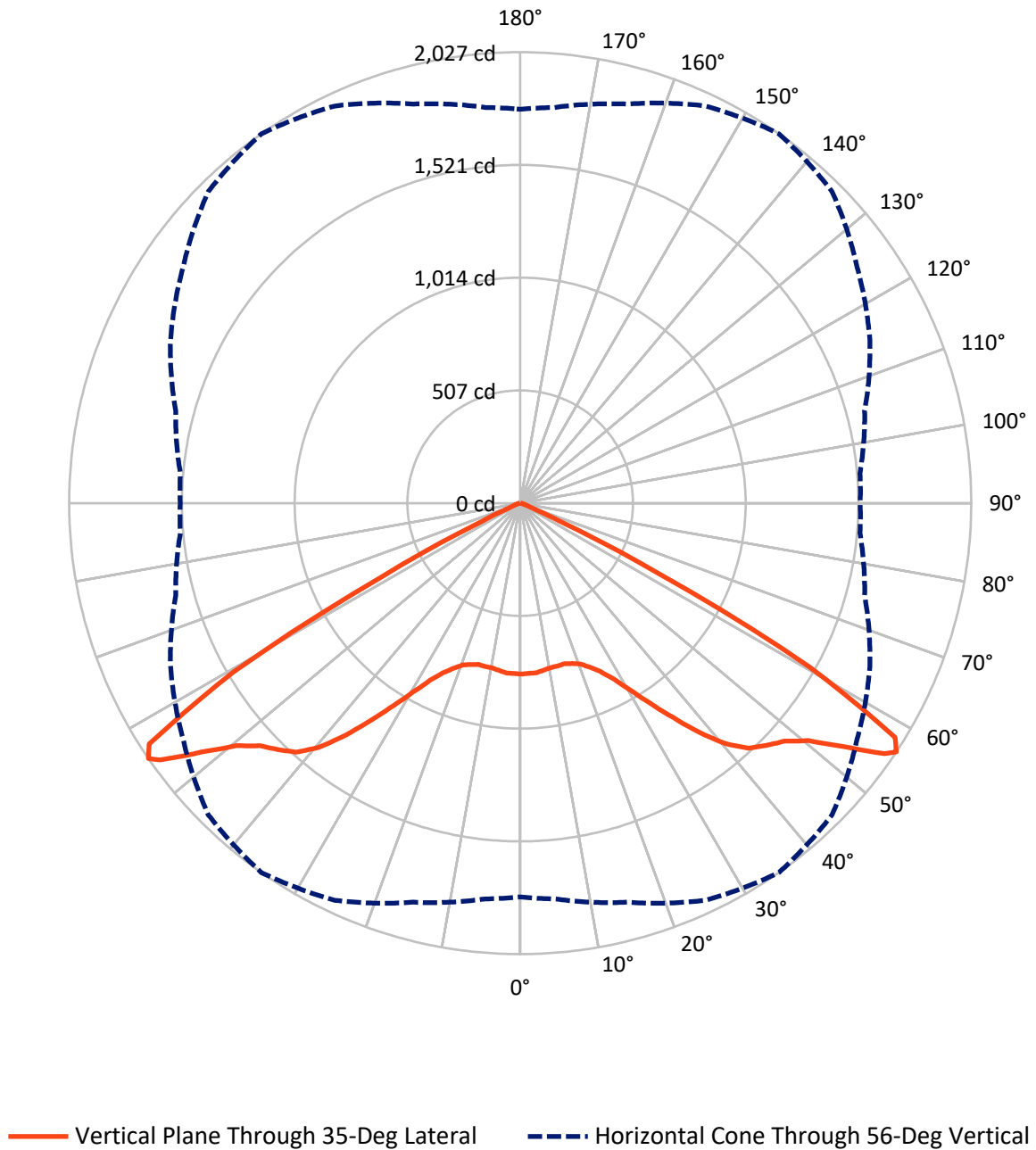
--- 1/2 Max cd



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



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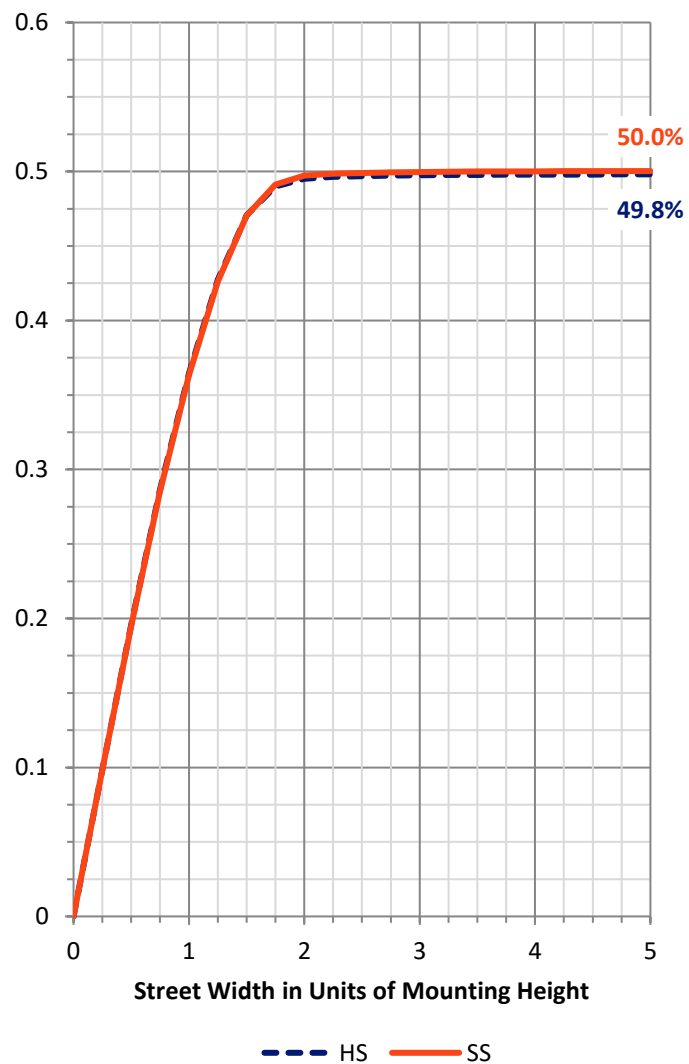
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2193.0	0.0	2193.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2193.0	0.0	2193.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4386.0	0.0	4386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	1.6
10°-20°	210.9	4.8
20°-30°	381.9	8.7
30°-40°	708.1	16.1
40°-50°	1162.3	26.5
50°-60°	1497.4	34.1
60°-70°	330.0	7.5
70°-80°	19.1	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°	4386.0	100.0
0°-180°	4386.0	100.0

Coefficient of Utilization



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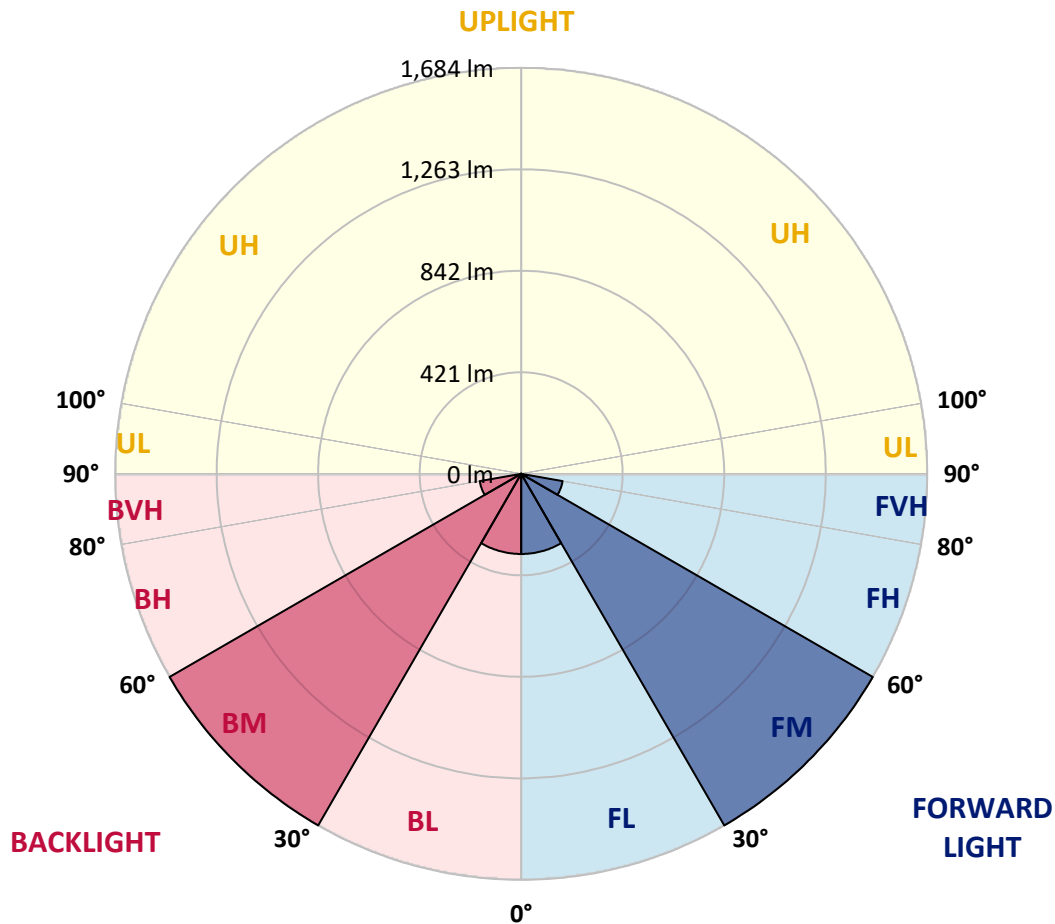
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.5	7.6			
FM	(30°-60°)	1683.9	38.4			
FH	(60°-80°)	174.6	4.0			G0/660
FVH	(80°-90°)	2.0	0.0			G0/10
BL	(0°-30°)	332.5	7.6	B1/500		
BM	(30°-60°)	1683.9	38.4	B2/2500		
BH	(60°-80°)	174.6	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°	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5	768.5
2.5°	770.1	770.1	770.9	771.7	766.1	763.8	764.5	763.0	762.2	764.5	764.5
5°	767.7	767.7	765.3	766.1	766.1	759.0	759.0	760.6	760.6	755.8	754.2
7.5°	761.4	759.8	756.6	760.6	758.2	758.2	752.6	748.7	747.1	750.2	747.1
10°	747.9	748.7	751.8	753.4	751.8	756.6	747.1	741.5	735.9	733.6	733.6
12.5°	741.5	746.3	741.5	745.5	751.0	747.1	741.5	737.5	729.6	726.4	726.4
15°	740.7	743.9	745.5	751.0	748.7	750.2	739.1	734.3	722.4	716.9	714.5
17.5°	739.9	743.9	746.3	756.6	758.2	759.0	750.2	735.9	725.6	720.0	714.5
20°	748.7	750.2	755.0	765.3	771.7	782.8	766.9	751.8	729.6	723.2	720.8
22.5°	759.8	767.7	772.5	783.6	800.3	809.8	789.2	770.1	747.1	739.1	729.6
25°	795.5	794.0	801.9	824.9	838.5	845.6	828.9	801.1	770.9	761.4	763.0
27.5°	840.0	841.6	848.8	874.2	894.1	905.2	885.3	848.8	819.4	803.5	801.9
30°	898.1	896.5	904.4	938.6	974.4	991.1	956.1	913.2	884.6	863.9	868.7
32.5°	959.3	960.1	982.3	1013.3	1071.3	1103.9	1047.5	995.0	952.1	937.8	930.7
35°	1049.9	1053.8	1071.3	1119.0	1183.4	1225.5	1163.5	1100.7	1051.5	1025.2	1028.4
37.5°	1161.9	1157.9	1187.4	1239.0	1306.6	1337.6	1285.1	1213.6	1163.5	1146.0	1157.2
40°	1281.1	1285.1	1300.2	1347.1	1422.6	1443.3	1365.4	1326.4	1282.7	1274.0	1287.5
42.5°	1400.3	1398.0	1409.1	1451.2	1506.0	1491.7	1445.6	1422.6	1391.6	1374.1	1392.4
45°	1487.8	1483.8	1504.5	1533.1	1552.9	1525.9	1505.3	1497.3	1481.4	1462.3	1479.0
47.5°	1572.8	1569.6	1589.5	1597.4	1599.0	1563.3	1567.2	1581.5	1541.8	1502.1	1521.1
50°	1645.1	1639.6	1664.2	1681.7	1677.7	1620.5	1634.8	1620.5	1558.5	1511.6	1504.5
52.5°	1765.9	1768.3	1794.5	1826.3	1816.8	1769.1	1748.4	1683.3	1603.8	1561.7	1537.0
55°	1842.2	1830.3	1875.6	1976.5	1987.7	1938.4	1847.0	1750.8	1631.6	1580.0	1573.6
56°	1770.7	1785.8	1857.3	1970.2	2027.4	1982.1	1849.4	1734.1	1603.0	1533.1	1528.3
57.5°	1588.7	1580.8	1677.7	1831.9	1987.7	1968.6	1784.2	1614.9	1462.3	1383.7	1374.1
60°	988.7	1011.7	1096.8	1287.5	1495.7	1505.3	1322.5	1177.0	999.0	929.1	945.8
62.5°	387.0	367.2	420.4	562.7	705.7	737.5	668.4	555.5	456.2	387.0	382.3
65°	89.8	87.4	98.5	135.9	189.9	220.1	209.0	150.2	110.5	104.9	97.0
67.5°	50.9	50.9	48.5	48.5	53.2	56.4	54.0	53.2	55.6	58.0	57.2
70°	35.8	35.0	33.4	34.2	32.6	32.6	35.0	38.9	42.1	42.1	42.9
72.5°	21.5	21.5	21.5	23.8	23.8	23.8	26.2	29.4	30.2	29.4	28.6
75°	9.5	9.5	11.1	13.5	15.1	15.9	18.3	19.9	21.5	19.9	18.3
77.5°	2.4	2.4	4.0	5.6	7.2	8.7	11.9	14.3	15.1	14.3	11.9
80°	0.8	0.8	1.6	4.0	7.2	8.7	11.9	12.7	13.5	11.9	9.5
82.5°	0.8	0.8	1.6	4.0	5.6	7.2	9.5	11.1	11.9	10.3	9.5
85°	0.0	0.8	1.6	3.2	4.8	6.4	6.4	4.8	4.0	2.4	3.2
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)