

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: P528327

Luminaire Tested: **GALN-SA3B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9273 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 121
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



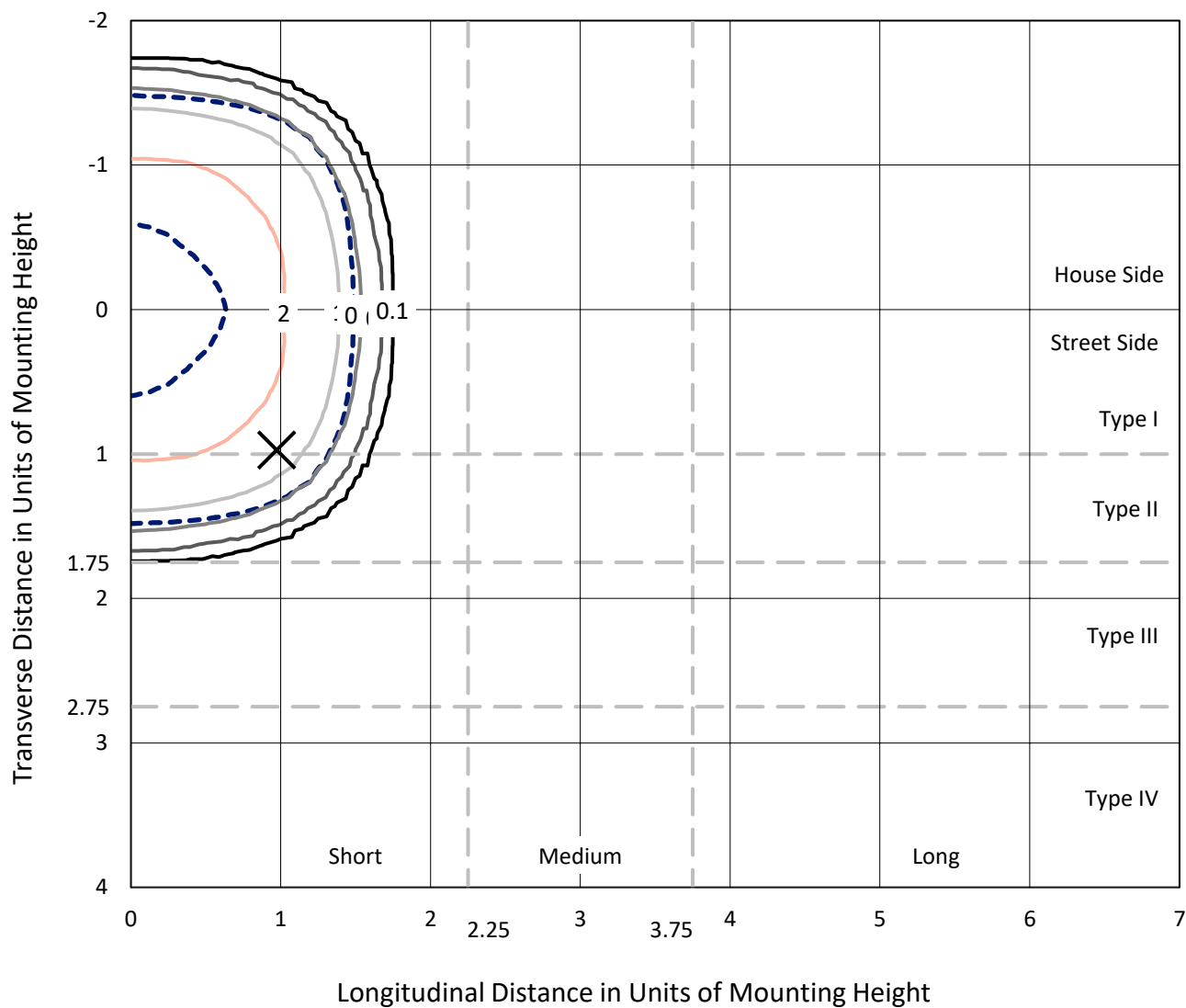
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

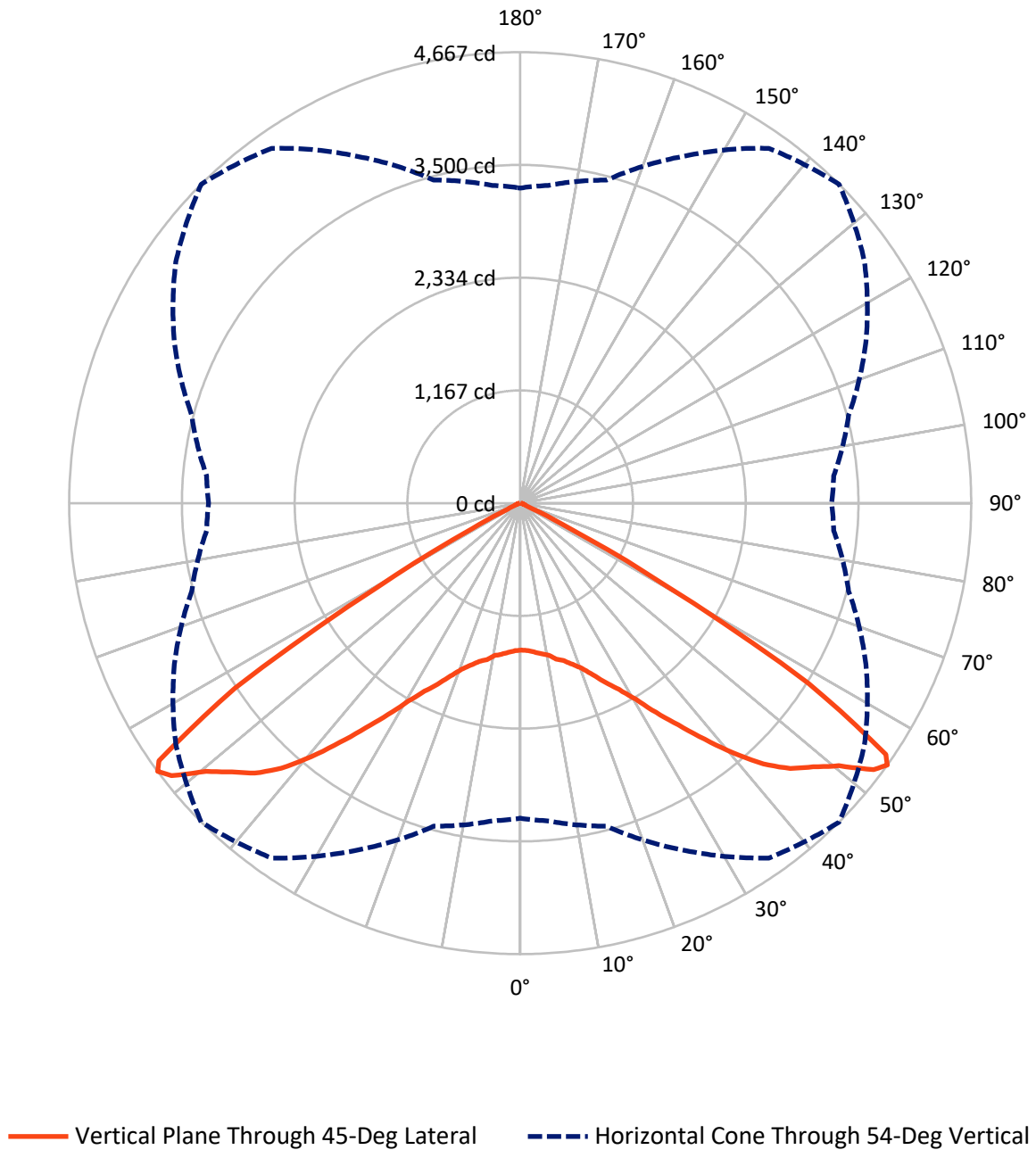


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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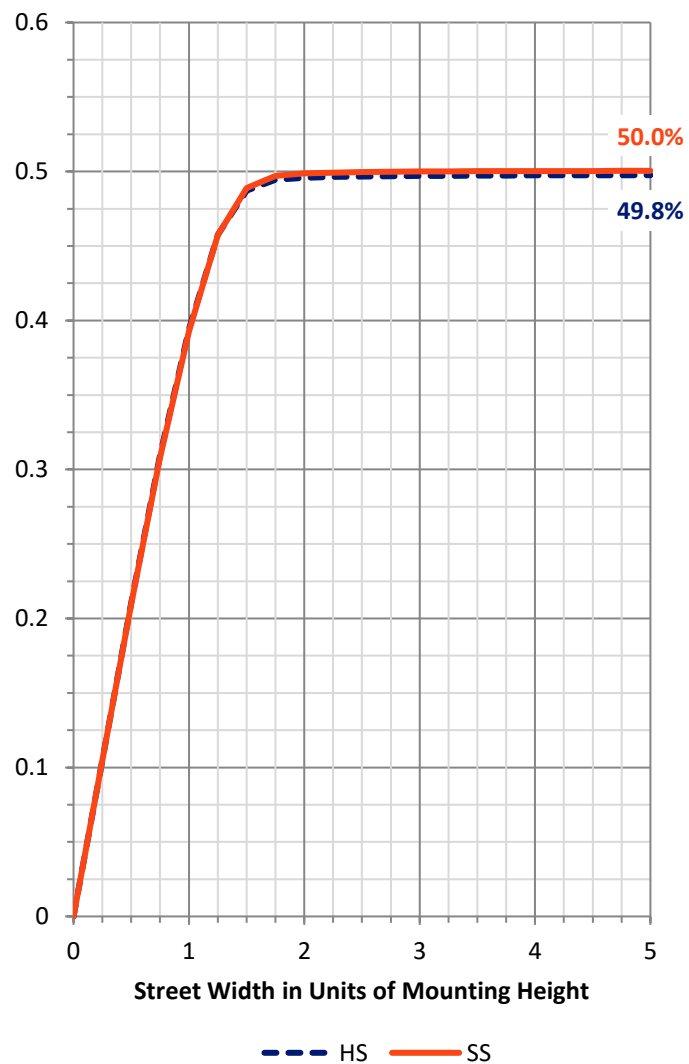
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4636.5	0.0	4636.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4636.5	0.0	4636.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9273.0	0.0	9273.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	1.6
10°-20°	481.9	5.2
20°-30°	944.6	10.2
30°-40°	1698.5	18.3
40°-50°	2907.5	31.4
50°-60°	2813.3	30.3
60°-70°	240.8	2.6
70°-80°	28.5	0.3
80°-90°	8.9	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°	9273.0	100.0
0°-180°	9273.0	100.0

Coefficient of Utilization



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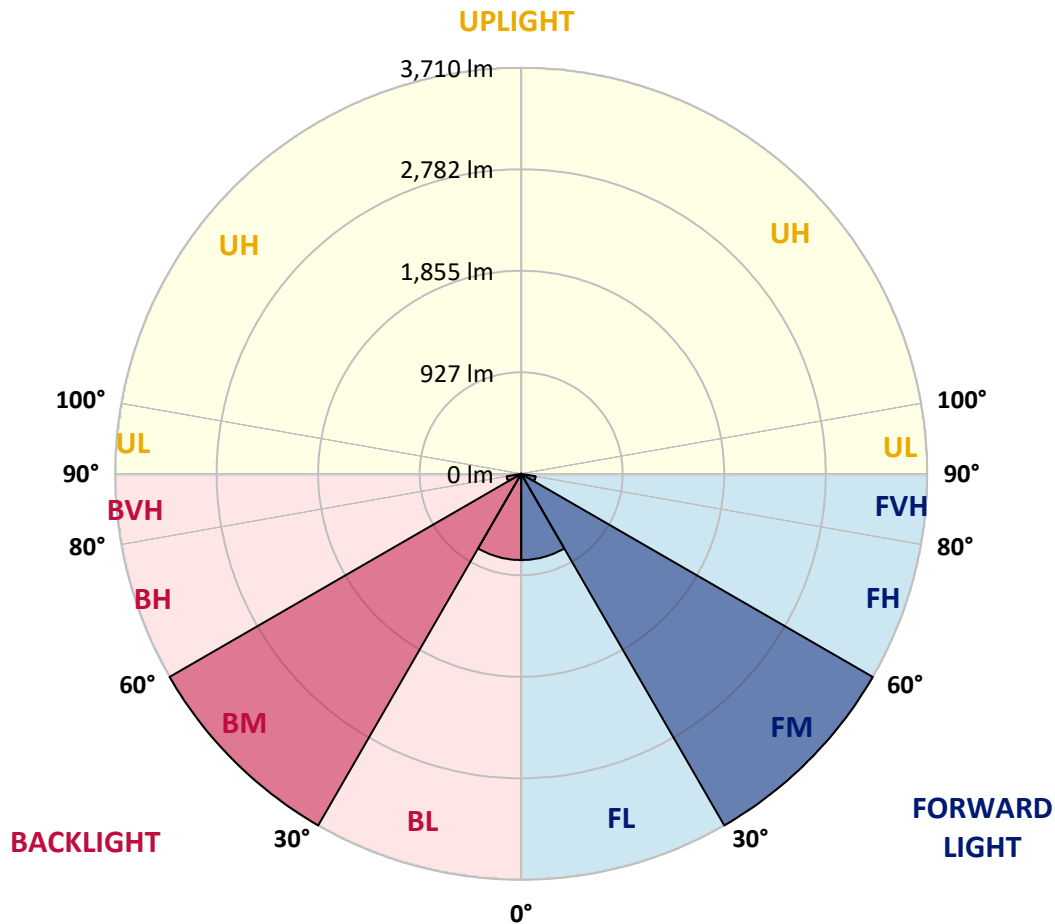
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	787.7	8.5			
FM	(30°-60°)	3709.7	40.0			
FH	(60°-80°)	134.7	1.5			G0/660
FVH	(80°-90°)	4.5	0.0			G0/10
BL	(0°-30°)	787.7	8.5	B2/1000		
BM	(30°-60°)	3709.7	40.0	B3/5000		
BH	(60°-80°)	134.7	1.5	B1/500		G0/660
BVH	(80°-90°)	4.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5
2.5°	1527.8	1536.6	1530.8	1535.2	1535.2	1527.8	1532.2	1514.6	1526.4	1517.5	1519.0
5°	1551.3	1549.9	1549.9	1551.3	1545.5	1548.4	1542.5	1536.6	1532.2	1526.4	1544.0
7.5°	1580.7	1580.7	1570.4	1573.4	1570.4	1574.8	1563.1	1551.3	1546.9	1542.5	1539.6
10°	1608.6	1605.7	1601.3	1614.5	1604.2	1598.3	1592.5	1585.1	1569.0	1563.1	1557.2
12.5°	1649.8	1648.3	1642.4	1655.6	1649.8	1655.6	1633.6	1614.5	1611.6	1592.5	1602.8
15°	1698.2	1711.5	1701.2	1701.2	1698.2	1690.9	1682.1	1673.3	1646.8	1639.5	1640.9
17.5°	1761.4	1757.0	1758.5	1758.5	1773.2	1754.1	1736.4	1714.4	1701.2	1696.8	1682.1
20°	1821.6	1827.5	1826.0	1836.3	1845.1	1824.6	1805.5	1802.5	1765.8	1771.7	1751.1
22.5°	1927.4	1923.0	1930.4	1937.7	1931.8	1928.9	1911.3	1889.2	1856.9	1842.2	1839.3
25°	2039.1	2031.7	2018.5	2036.1	2044.9	2058.2	2024.4	2012.6	1962.7	1940.6	1942.1
27.5°	2134.6	2144.8	2159.5	2166.9	2188.9	2184.5	2161.0	2122.8	2084.6	2059.6	2043.5
30°	2265.3	2271.2	2296.1	2306.4	2344.6	2354.9	2318.2	2274.1	2206.5	2174.2	2155.1
32.5°	2385.8	2426.9	2425.4	2476.8	2538.5	2581.1	2515.0	2447.5	2379.9	2341.7	2307.9
35°	2581.1	2573.8	2616.4	2670.8	2770.7	2819.1	2747.2	2669.3	2566.5	2504.8	2478.3
37.5°	2763.3	2766.3	2823.5	2910.2	3024.8	3099.7	3036.6	2908.8	2803.0	2723.6	2686.9
40°	3027.7	3033.6	3092.4	3190.8	3320.1	3400.9	3327.4	3198.2	3057.1	2995.4	2995.4
42.5°	3337.7	3362.7	3400.9	3486.1	3602.1	3691.8	3625.7	3524.3	3381.8	3302.5	3314.2
45°	3656.5	3668.3	3693.2	3819.6	3873.9	3918.0	3856.3	3809.3	3713.8	3616.8	3600.7
47.5°	3954.7	3959.1	4032.6	4072.3	4114.9	4078.1	4117.8	4056.1	3948.8	3854.8	3835.7
50°	4086.9	4079.6	4183.9	4304.4	4336.7	4272.0	4238.3	4197.1	4034.1	3920.9	3871.0
52.5°	3702.0	3744.6	3938.6	4273.5	4526.2	4580.5	4383.7	4194.2	3890.1	3669.7	3635.9
54°	3261.3	3301.0	3461.1	3957.7	4483.6	4667.2	4349.9	3947.4	3518.4	3256.9	3223.1
55°	2825.0	2780.9	3071.8	3578.6	4283.8	4590.8	4216.2	3628.6	3137.9	2898.5	2851.5
57.5°	1529.3	1536.6	1782.0	2260.9	3010.1	3519.9	3108.5	2454.8	1854.0	1585.1	1561.6
60°	484.8	496.5	603.8	913.8	1438.2	1717.3	1472.0	985.7	681.6	546.5	524.5
62.5°	151.3	157.2	171.9	255.6	393.7	562.7	440.7	264.4	196.9	180.7	183.6
65°	92.6	92.6	94.0	99.9	117.5	136.6	132.2	116.1	111.6	108.7	107.2
67.5°	60.2	58.8	61.7	66.1	69.0	70.5	74.9	79.3	77.9	74.9	74.9
70°	36.7	35.3	38.2	44.1	45.5	48.5	52.9	58.8	57.3	54.4	55.8
72.5°	20.6	20.6	22.0	26.4	30.9	33.8	38.2	42.6	44.1	42.6	42.6
75°	7.3	8.8	11.8	16.2	19.1	23.5	27.9	32.3	36.7	33.8	32.3
77.5°	2.9	2.9	5.9	10.3	14.7	19.1	26.4	30.9	33.8	30.9	27.9
80°	1.5	1.5	4.4	8.8	13.2	17.6	22.0	26.4	27.9	25.0	22.0
82.5°	1.5	1.5	4.4	8.8	13.2	16.2	23.5	26.4	29.4	26.4	22.0
85°	0.0	1.5	4.4	8.8	11.8	13.2	13.2	8.8	7.3	4.4	4.4
87.5°	0.0	0.0	1.5	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)