

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: P527236

Luminaire Tested: **GALN-SA2B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9387 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

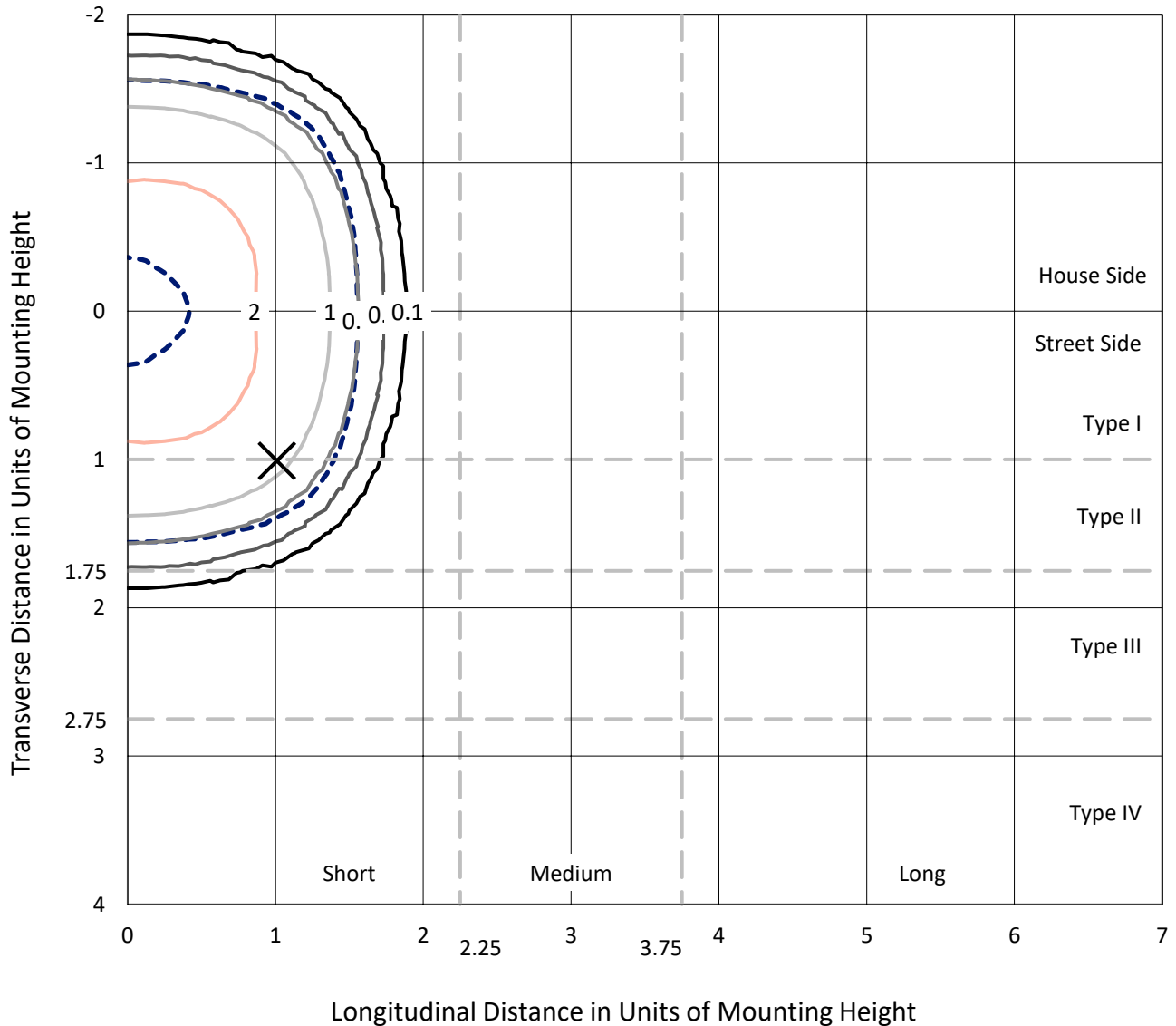
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

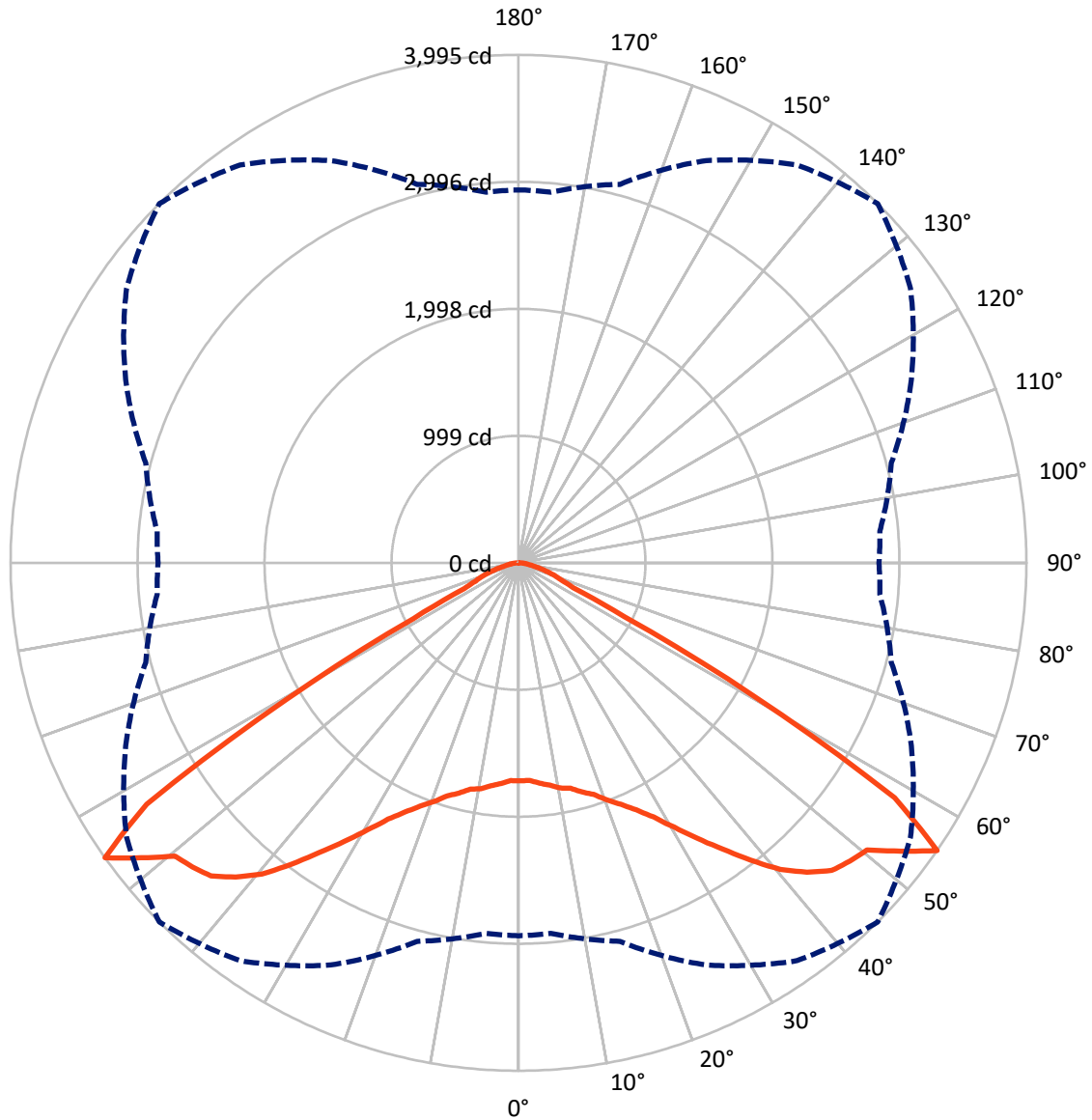
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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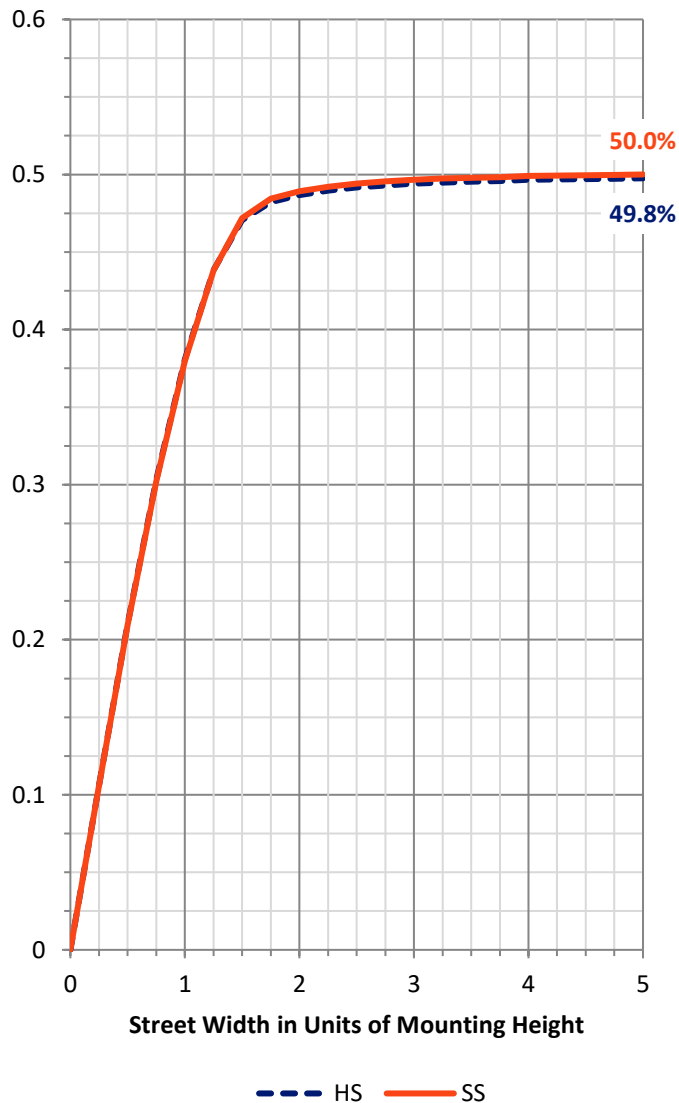
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4693.5	0.0	4693.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4693.5	0.0	4693.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9387.0	0.0	9387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	1.8
10°-20°	530.5	5.7
20°-30°	989.2	10.5
30°-40°	1656.3	17.6
40°-50°	2577.4	27.5
50°-60°	2676.1	28.5
60°-70°	567.5	6.0
70°-80°	186.9	2.0
80°-90°	35.6	0.4
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°	9387.0	100.0
0°-180°	9387.0	100.0

Coefficient of Utilization



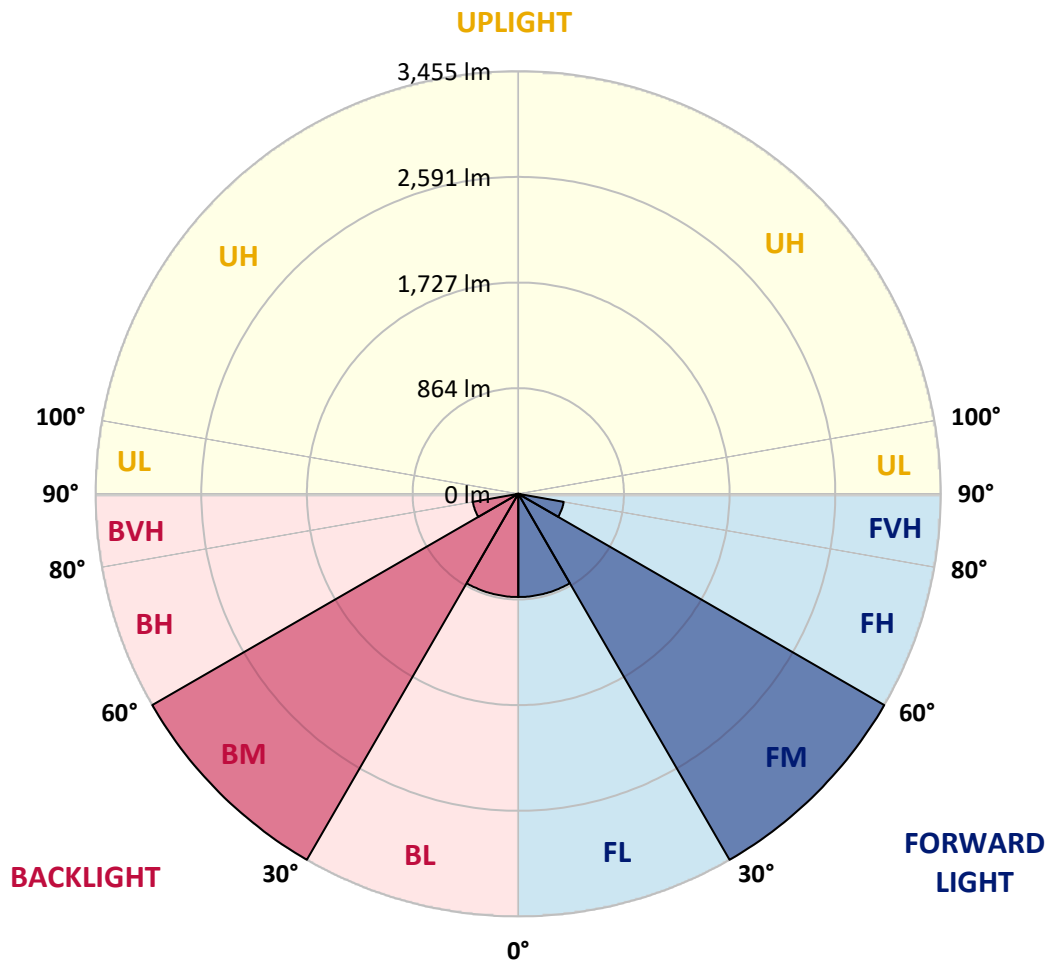
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.6	9.0			
FM (30°-60°)	3454.9	36.8			
FH (60°-80°)	377.2	4.0			G0/660
FVH (80°-90°)	17.8	0.2			G1/100
BL (0°-30°)	843.6	9.0	B2/1000		
BM (30°-60°)	3454.9	36.8	B3/5000		
BH (60°-80°)	377.2	4.0	B1/500		G0/660
BVH (80°-90°)	17.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9	1713.9
2.5°	1734.3	1726.4	1712.8	1723.0	1730.9	1713.9	1720.7	1724.1	1721.9	1712.8	1716.2
5°	1759.3	1754.8	1743.4	1751.4	1741.1	1741.1	1734.3	1725.3	1738.9	1736.6	1742.3
7.5°	1759.3	1753.6	1776.3	1761.6	1766.1	1766.1	1754.8	1745.7	1752.5	1742.3	1736.6
10°	1794.5	1802.4	1792.2	1795.6	1793.3	1801.3	1784.3	1778.6	1772.9	1769.5	1762.7
12.5°	1836.4	1830.8	1834.2	1831.9	1839.8	1819.4	1809.2	1796.7	1806.9	1792.2	1802.4
15°	1870.5	1867.1	1870.5	1879.5	1871.6	1870.5	1852.3	1839.8	1824.0	1827.4	1811.5
17.5°	1917.0	1913.6	1914.7	1922.6	1921.5	1915.8	1902.2	1878.4	1872.7	1863.7	1853.4
20°	1986.2	1980.5	1978.2	1981.6	1987.3	1991.8	1964.6	1955.5	1936.2	1921.5	1904.5
22.5°	2045.1	2042.9	2051.9	2037.2	2049.7	2063.3	2037.2	2032.7	1985.0	1977.1	1958.9
25°	2126.8	2123.4	2117.7	2139.3	2154.0	2152.9	2127.9	2103.0	2066.7	2057.6	2057.6
27.5°	2213.0	2193.7	2223.2	2228.9	2255.0	2262.9	2241.4	2205.1	2171.0	2151.8	2156.3
30°	2320.8	2302.6	2309.4	2350.3	2384.3	2413.8	2359.3	2306.0	2258.4	2224.4	2218.7
32.5°	2428.5	2410.4	2430.8	2470.5	2538.6	2582.8	2529.5	2436.5	2380.9	2331.0	2341.2
35°	2515.9	2529.5	2562.4	2622.5	2692.8	2764.3	2679.2	2607.8	2528.4	2472.8	2480.7
37.5°	2656.5	2698.5	2724.6	2793.8	2893.6	2967.3	2878.9	2785.8	2700.8	2628.2	2603.2
40°	2840.3	2868.6	2898.1	2979.8	3097.8	3171.5	3087.6	2966.2	2882.3	2807.4	2804.0
42.5°	3042.2	3069.4	3100.0	3199.9	3270.2	3325.8	3248.6	3184.0	3091.0	3032.0	3028.6
45°	3277.0	3257.7	3291.7	3357.5	3416.5	3452.8	3402.9	3371.1	3304.2	3249.8	3244.1
47.5°	3433.5	3416.5	3477.8	3536.7	3545.8	3506.1	3516.3	3545.8	3475.5	3385.9	3414.2
50°	3524.3	3524.3	3565.1	3619.5	3602.5	3551.5	3632.0	3634.3	3564.0	3484.6	3484.6
52.5°	3366.6	3401.8	3517.5	3695.5	3752.3	3767.0	3748.9	3671.7	3488.0	3325.8	3317.8
55°	2933.3	2925.4	3081.9	3490.2	3820.3	3995.0	3763.6	3408.6	3035.4	2852.8	2834.6
57.5°	1907.9	1917.0	2150.6	2566.9	3162.4	3488.0	3097.8	2598.7	2150.6	1898.8	1922.6
60°	858.7	889.3	1031.1	1341.9	1853.4	2118.9	1858.0	1409.9	1082.1	939.2	951.7
62.5°	493.4	499.1	504.8	598.9	789.5	933.5	820.1	632.9	558.1	533.1	533.1
65°	416.3	412.9	414.0	422.0	442.4	471.9	459.4	442.4	444.6	442.4	439.0
67.5°	353.9	358.4	355.0	360.7	361.8	366.4	374.3	381.1	382.3	384.5	382.3
70°	290.4	291.5	293.8	298.3	299.5	302.9	314.2	319.9	323.3	323.3	327.8
72.5°	222.3	221.2	223.5	228.0	233.7	234.8	245.0	252.9	257.5	251.8	252.9
75°	146.3	147.5	150.9	154.3	162.2	170.1	173.5	181.5	182.6	184.9	179.2
77.5°	87.3	89.6	93.0	99.8	106.6	113.4	121.4	127.0	129.3	127.0	120.2
80°	56.7	56.7	61.3	66.9	74.9	80.5	85.1	89.6	93.0	89.6	87.3
82.5°	35.2	35.2	40.8	47.6	53.3	56.7	63.5	69.2	72.6	70.3	66.9
85°	18.1	19.3	23.8	29.5	34.0	36.3	35.2	31.8	28.4	27.2	25.0
87.5°	5.7	5.7	6.8	6.8	5.7	5.7	6.8	5.7	6.8	6.8	6.8
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)