

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: P527626

Luminaire Tested: **GALN-SA2C-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527626
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-SA2C-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA 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: 10120 lumens
Efficiency: N/A
Efficacy: 93.7 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): 108
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

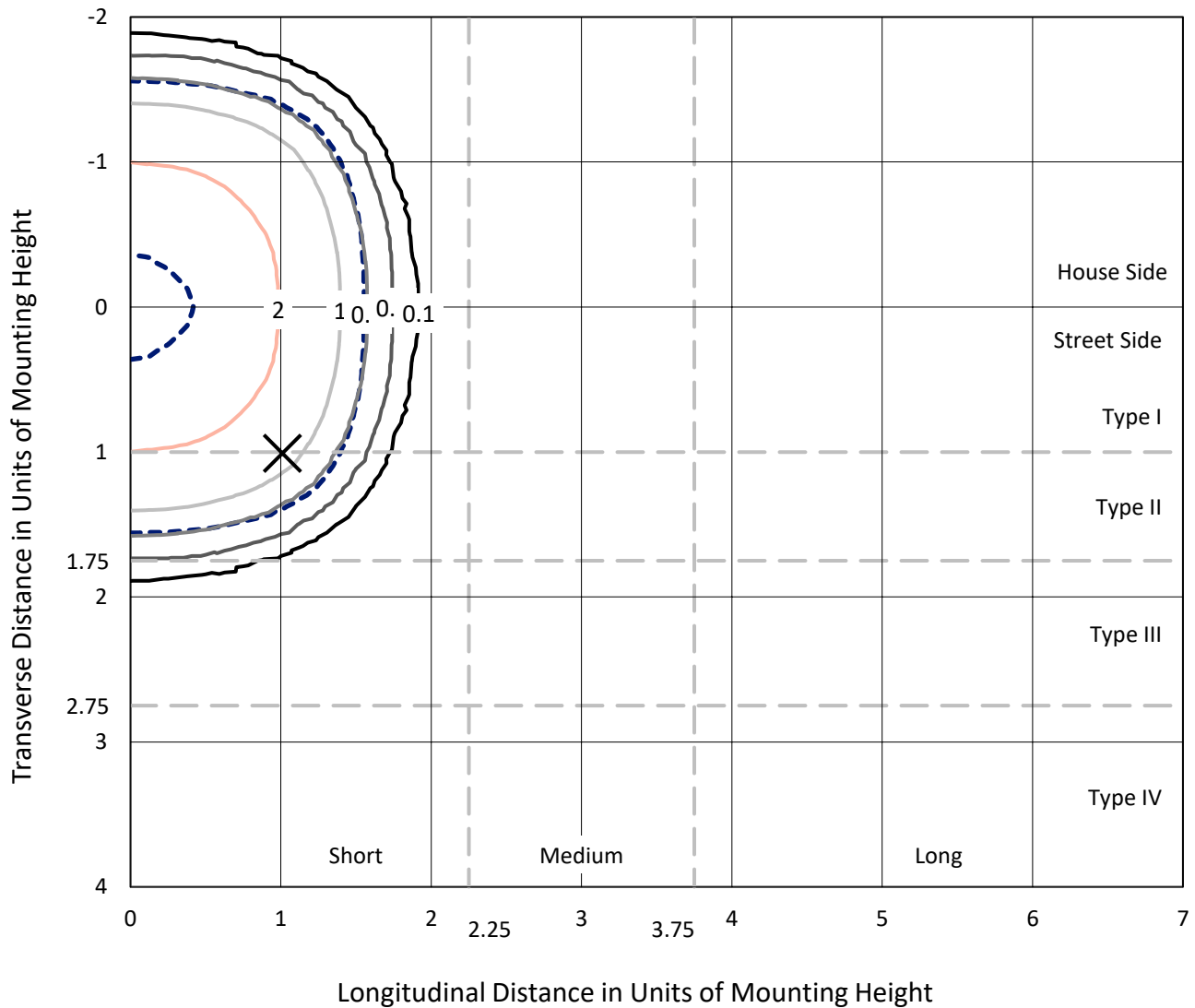


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Iso-Footcandle Lines of Horizontal Illumination

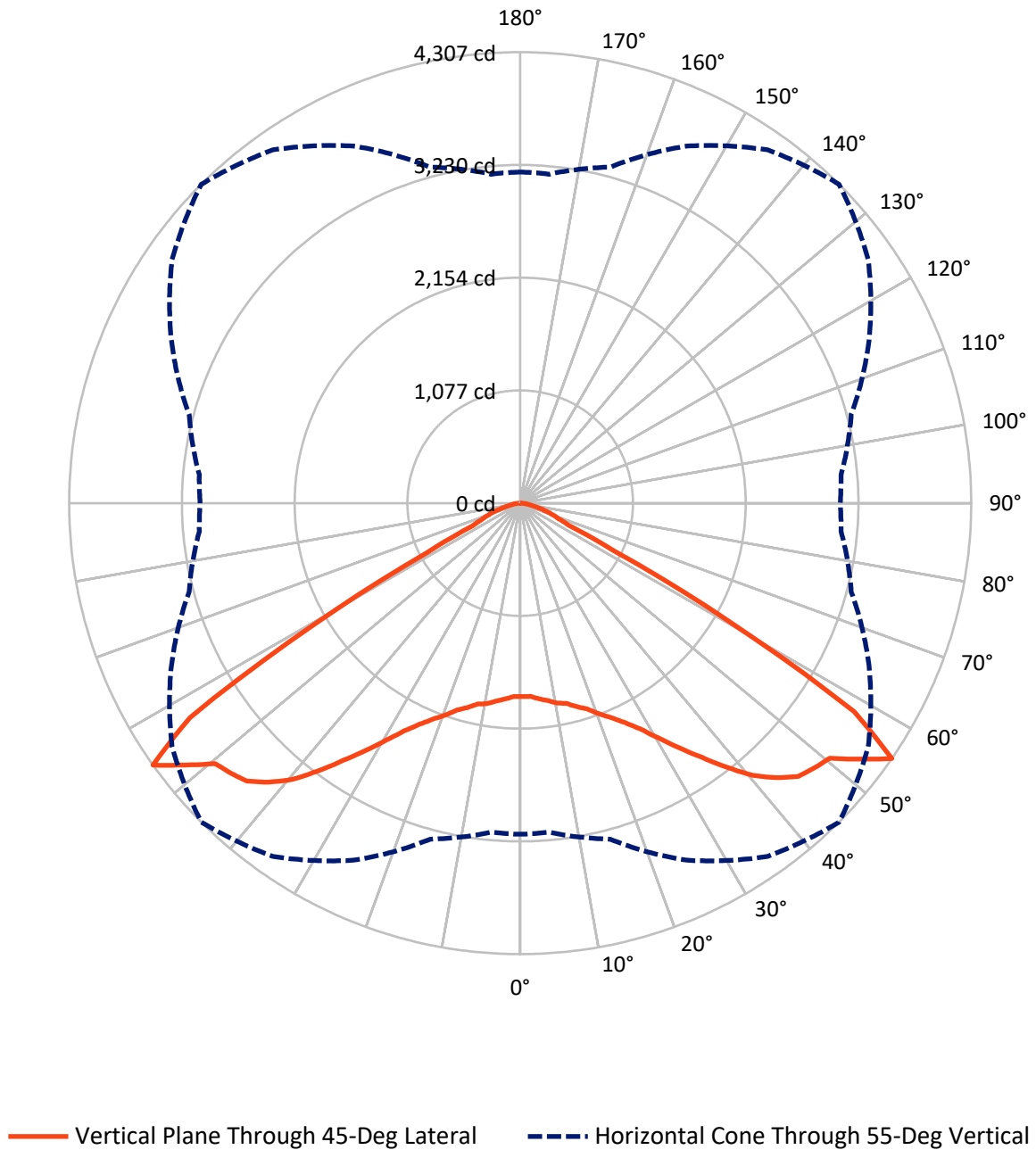
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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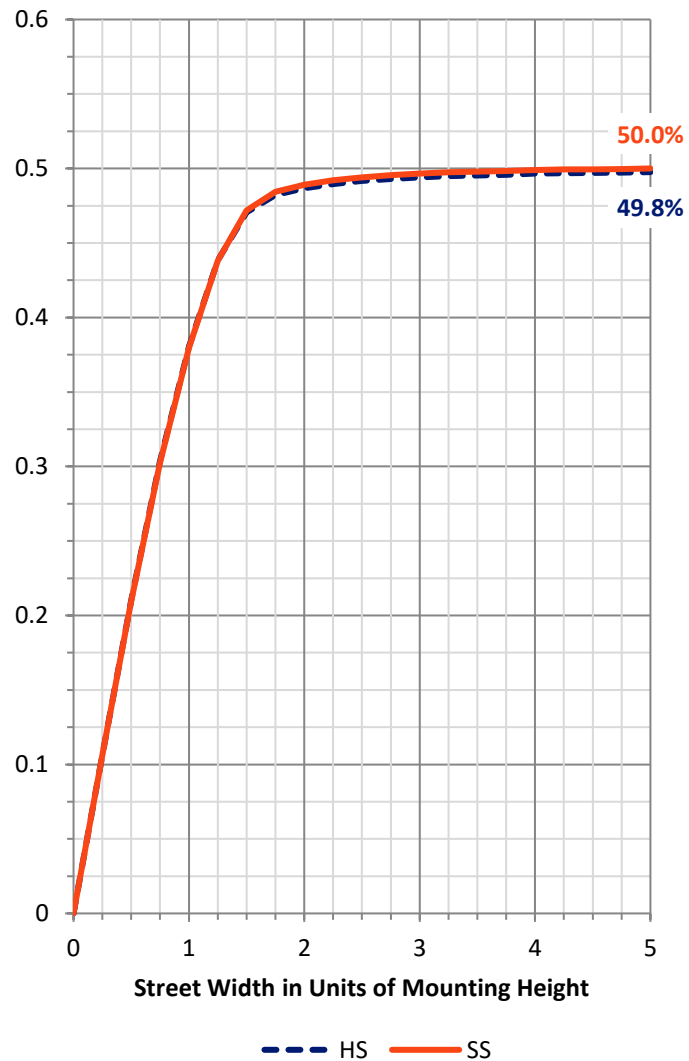
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5060.0	0.0	5060.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5060.0	0.0	5060.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10120.0	0.0	10120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	1.8
10°-20°	571.9	5.7
20°-30°	1066.5	10.5
30°-40°	1785.7	17.6
40°-50°	2778.6	27.5
50°-60°	2885.1	28.5
60°-70°	611.8	6.0
70°-80°	201.5	2.0
80°-90°	38.4	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°	10120.0	100.0
0°-180°	10120.0	100.0

Coefficient of Utilization



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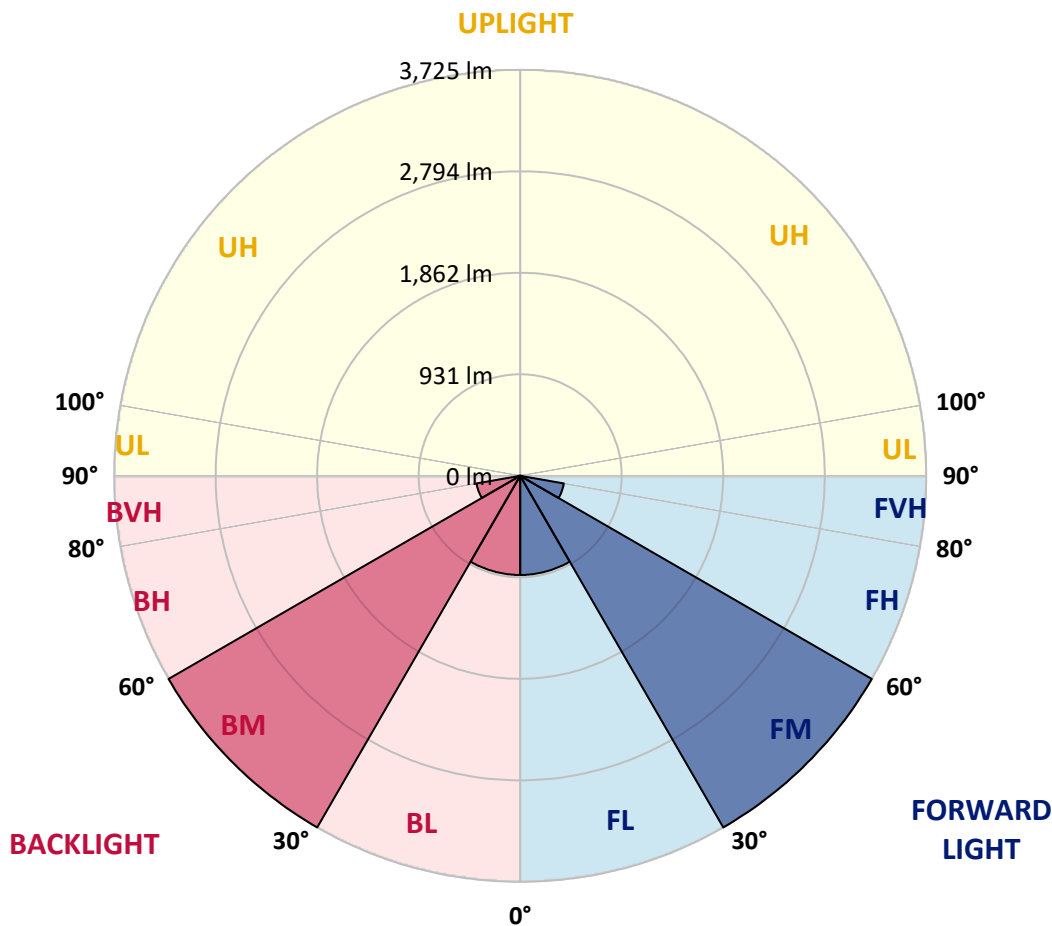
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	909.5	9.0			
FM	(30°-60°)	3724.7	36.8			
FH	(60°-80°)	406.7	4.0			G0/660
FVH	(80°-90°)	19.2	0.2			G1/100
BL	(0°-30°)	909.5	9.0	B2/1000		
BM	(30°-60°)	3724.7	36.8	B3/5000		
BH	(60°-80°)	406.7	4.0	B1/500		G0/660
BVH	(80°-90°)	19.2	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°	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8
2.5°	1869.8	1861.2	1846.5	1857.5	1866.1	1847.8	1855.1	1858.8	1856.3	1846.5	1850.2
5°	1896.7	1891.8	1879.6	1888.1	1877.1	1877.1	1869.8	1860.0	1874.7	1872.2	1878.3
7.5°	1896.7	1890.6	1915.0	1899.1	1904.0	1904.0	1891.8	1882.0	1889.3	1878.3	1872.2
10°	1934.6	1943.1	1932.1	1935.8	1933.4	1941.9	1923.6	1917.5	1911.4	1907.7	1900.3
12.5°	1979.8	1973.7	1977.4	1974.9	1983.5	1961.5	1950.5	1937.0	1948.0	1932.1	1943.1
15°	2016.5	2012.8	2016.5	2026.3	2017.7	2016.5	1997.0	1983.5	1966.4	1970.0	1952.9
17.5°	2066.7	2063.0	2064.2	2072.8	2071.5	2065.4	2050.8	2025.1	2019.0	2009.2	1998.2
20°	2141.3	2135.1	2132.7	2136.4	2142.5	2147.4	2118.0	2108.2	2087.4	2071.5	2053.2
22.5°	2204.8	2202.4	2212.2	2196.3	2209.7	2224.4	2196.3	2191.4	2140.0	2131.5	2111.9
25°	2292.9	2289.2	2283.1	2306.3	2322.2	2321.0	2294.1	2267.2	2228.1	2218.3	2218.3
27.5°	2385.8	2365.0	2396.8	2402.9	2431.1	2439.6	2416.4	2377.3	2340.6	2319.8	2324.7
30°	2502.0	2482.4	2489.8	2533.8	2570.5	2602.3	2543.6	2486.1	2434.7	2398.1	2391.9
32.5°	2618.2	2598.6	2620.6	2663.4	2736.8	2784.5	2727.0	2626.7	2566.8	2513.0	2524.0
35°	2712.3	2727.0	2762.5	2827.3	2903.1	2980.1	2888.4	2811.4	2725.8	2665.9	2674.4
37.5°	2864.0	2909.2	2937.3	3011.9	3119.5	3199.0	3103.7	3003.4	2911.7	2833.4	2806.5
40°	3062.1	3092.6	3124.4	3212.5	3339.7	3419.2	3328.7	3197.8	3107.3	3026.6	3022.9
42.5°	3279.7	3309.1	3342.1	3449.7	3525.5	3585.5	3502.3	3432.6	3332.3	3268.7	3265.1
45°	3532.9	3512.1	3548.8	3619.7	3683.3	3722.4	3668.6	3634.4	3562.2	3503.5	3497.4
47.5°	3701.6	3683.3	3749.3	3812.9	3822.7	3779.9	3790.9	3822.7	3746.9	3650.3	3680.8
50°	3799.5	3799.5	3843.5	3902.2	3883.8	3828.8	3915.6	3918.1	3842.3	3756.7	3756.7
52.5°	3629.5	3667.4	3792.1	3984.1	4045.3	4061.2	4041.6	3958.4	3760.3	3585.5	3576.9
55°	3162.3	3153.8	3322.5	3762.8	4118.6	4307.0	4057.5	3674.7	3272.4	3075.5	3056.0
57.5°	2056.9	2066.7	2318.6	2767.4	3409.4	3760.3	3339.7	2801.6	2318.6	2047.1	2072.8
60°	925.7	958.7	1111.6	1446.7	1998.2	2284.3	2003.1	1520.0	1166.6	1012.5	1026.0
62.5°	531.9	538.1	544.2	645.7	851.1	1006.4	884.1	682.4	601.7	574.8	574.8
65°	448.8	445.1	446.3	454.9	476.9	508.7	495.3	476.9	479.4	476.9	473.3
67.5°	381.5	386.4	382.8	388.9	390.1	395.0	403.5	410.9	412.1	414.6	412.1
70°	313.1	314.3	316.7	321.6	322.8	326.5	338.7	344.9	348.5	348.5	353.4
72.5°	239.7	238.5	240.9	245.8	251.9	253.1	264.1	272.7	277.6	271.5	272.7
75°	157.8	159.0	162.6	166.3	174.9	183.4	187.1	195.7	196.9	199.3	193.2
77.5°	94.2	96.6	100.3	107.6	115.0	122.3	130.8	137.0	139.4	137.0	129.6
80°	61.1	61.1	66.0	72.1	80.7	86.8	91.7	96.6	100.3	96.6	94.2
82.5°	37.9	37.9	44.0	51.4	57.5	61.1	68.5	74.6	78.3	75.8	72.1
85°	19.6	20.8	25.7	31.8	36.7	39.1	37.9	34.2	30.6	29.3	26.9
87.5°	6.1	6.1	7.3	7.3	6.1	6.1	7.3	6.1	7.3	7.3	7.3
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)