

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: P527314

Luminaire Tested: **GALN-SA2B-750-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527314
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-750-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 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: 10307 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

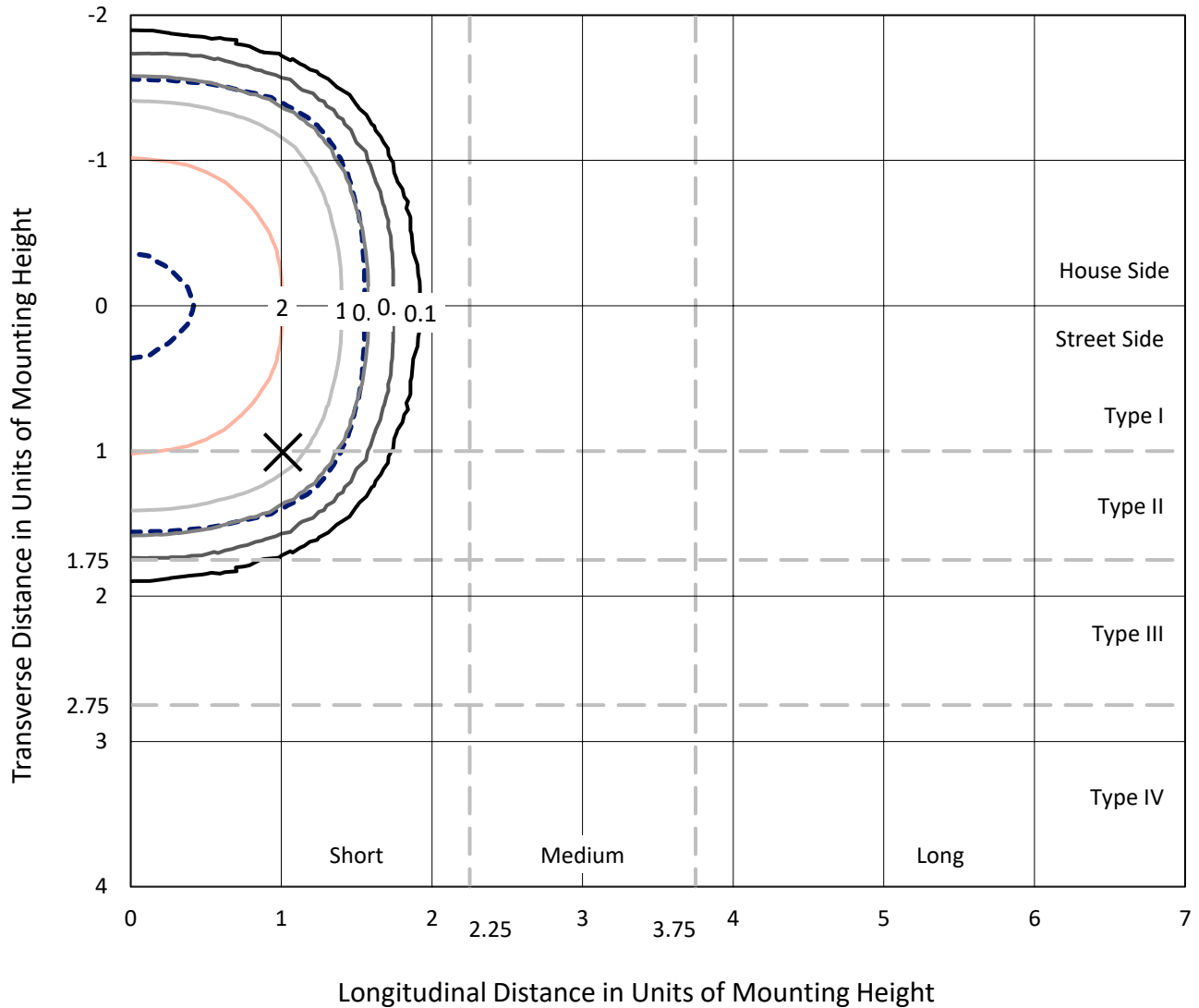
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

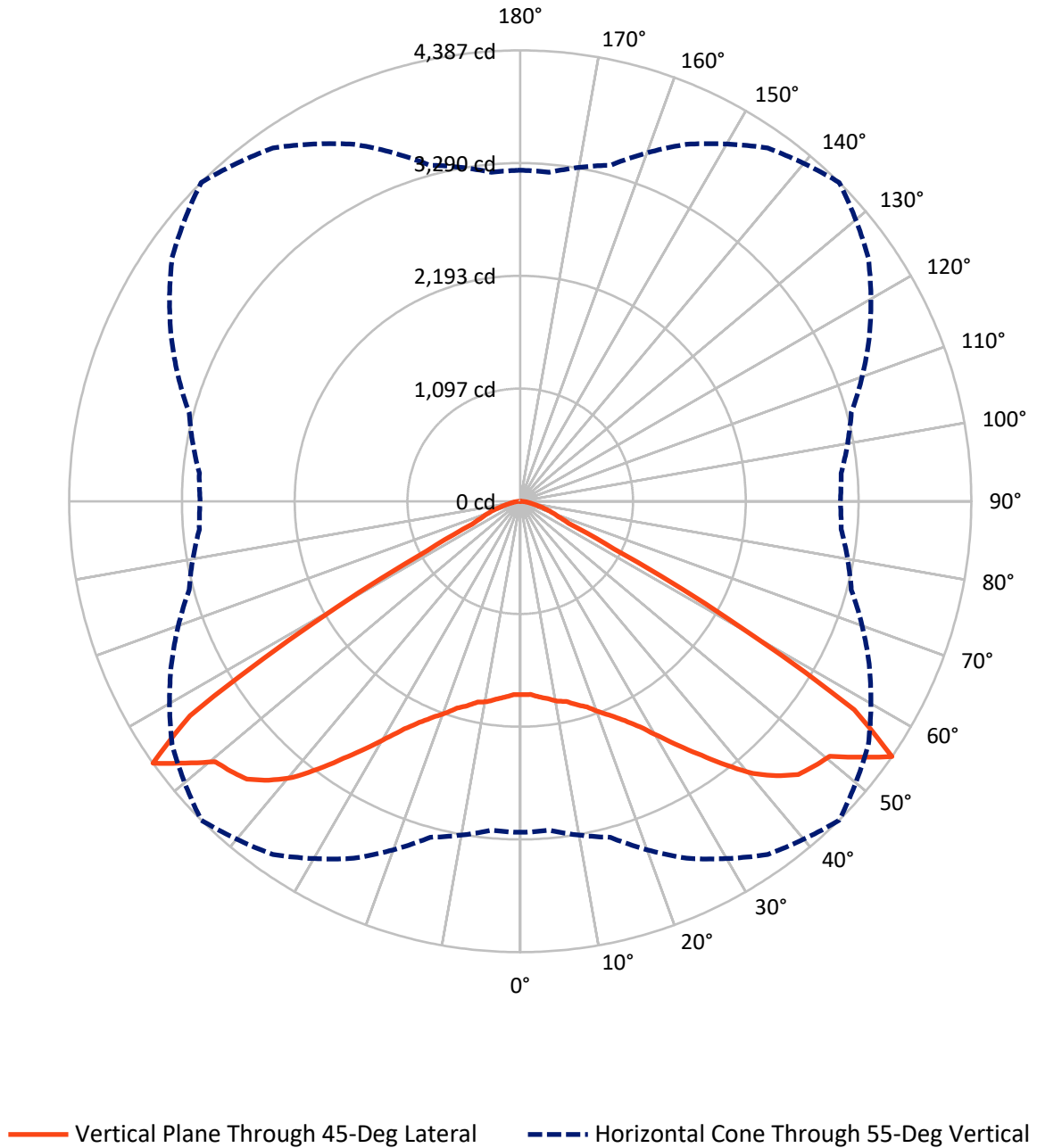
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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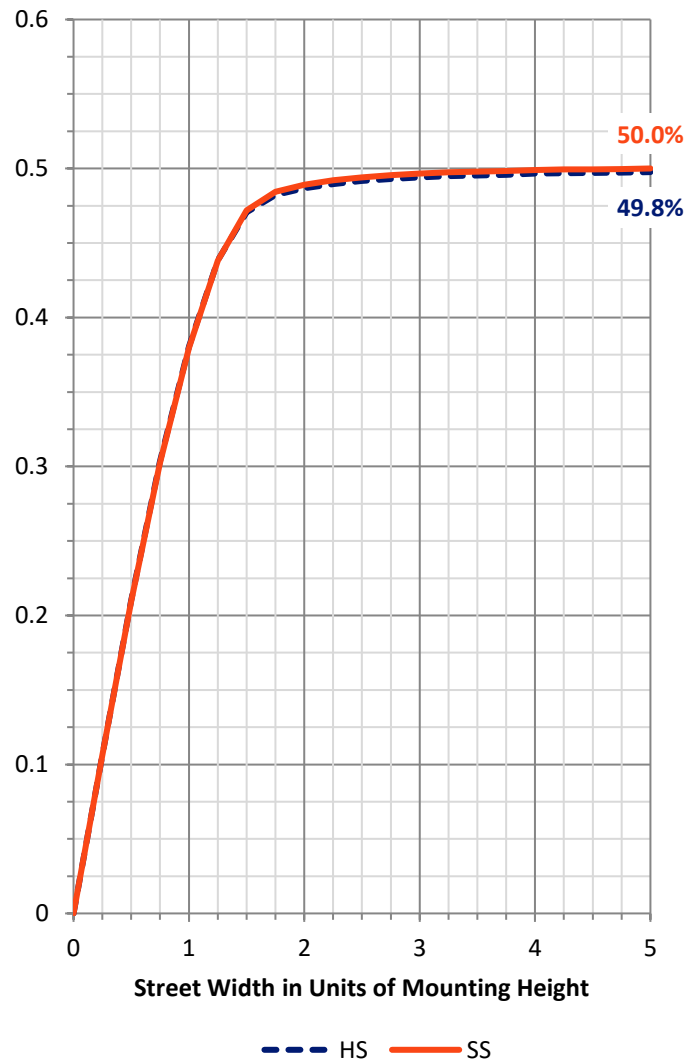
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5153.5	0.0	5153.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5153.5	0.0	5153.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10307.0	0.0	10307.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	1.8
10°-20°	582.5	5.7
20°-30°	1086.2	10.5
30°-40°	1818.6	17.6
40°-50°	2830.0	27.5
50°-60°	2938.4	28.5
60°-70°	623.1	6.0
70°-80°	205.2	2.0
80°-90°	39.1	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°	10307.0	100.0
0°-180°	10307.0	100.0



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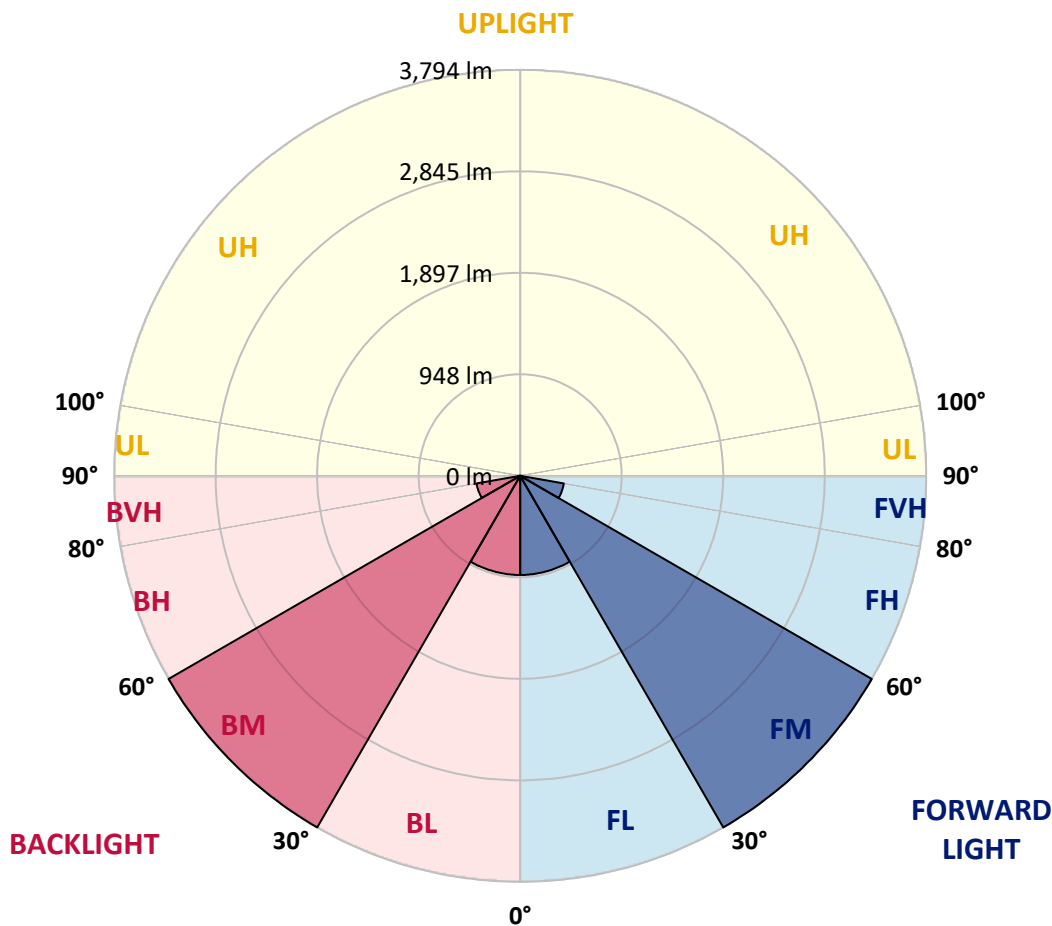
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.3	9.0			
FM (30°-60°)	3793.5	36.8			
FH (60°-80°)	414.2	4.0			G0/660
FVH (80°-90°)	19.5	0.2			G1/100
BL (0°-30°)	926.3	9.0	B2/1000		
BM (30°-60°)	3793.5	36.8	B3/5000		
BH (60°-80°)	414.2	4.0	B1/500		G0/660
BVH (80°-90°)	19.5	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°	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9	1881.9
2.5°	1904.3	1895.6	1880.7	1891.9	1900.6	1881.9	1889.4	1893.1	1890.6	1880.7	1884.4
5°	1931.7	1926.7	1914.3	1923.0	1911.8	1911.8	1904.3	1894.4	1909.3	1906.8	1913.0
7.5°	1931.7	1925.5	1950.4	1934.2	1939.2	1939.2	1926.7	1916.8	1924.3	1913.0	1906.8
10°	1970.3	1979.1	1967.8	1971.6	1969.1	1977.8	1959.1	1952.9	1946.7	1942.9	1935.5
12.5°	2016.4	2010.2	2013.9	2011.4	2020.2	1997.7	1986.5	1972.8	1984.0	1967.8	1979.1
15°	2053.8	2050.0	2053.8	2063.7	2055.0	2053.8	2033.9	2020.2	2002.7	2006.5	1989.0
17.5°	2104.8	2101.1	2102.4	2111.1	2109.8	2103.6	2088.7	2062.5	2056.3	2046.3	2035.1
20°	2180.8	2174.6	2172.1	2175.8	2182.1	2187.0	2157.2	2147.2	2126.0	2109.8	2091.1
22.5°	2245.6	2243.1	2253.1	2236.9	2250.6	2265.5	2236.9	2231.9	2179.6	2170.9	2150.9
25°	2335.3	2331.5	2325.3	2349.0	2365.1	2363.9	2336.5	2309.1	2269.2	2259.3	2259.3
27.5°	2429.9	2408.7	2441.1	2447.3	2476.0	2484.7	2461.0	2421.2	2383.8	2362.7	2367.6
30°	2548.2	2528.3	2535.8	2580.6	2618.0	2650.4	2590.6	2532.0	2479.7	2442.4	2436.1
32.5°	2666.6	2646.6	2669.0	2712.6	2787.4	2835.9	2777.4	2675.3	2614.2	2559.4	2570.6
35°	2762.5	2777.4	2813.5	2879.5	2956.7	3035.2	2941.8	2863.3	2776.2	2715.1	2723.8
37.5°	2916.9	2963.0	2991.6	3067.6	3177.2	3258.1	3161.0	3058.9	2965.5	2885.8	2858.4
40°	3118.7	3149.8	3182.2	3271.8	3401.4	3482.3	3390.2	3256.9	3164.7	3082.5	3078.8
42.5°	3340.3	3370.2	3403.9	3513.5	3590.7	3651.7	3567.0	3496.0	3393.9	3329.1	3325.4
45°	3598.2	3577.0	3614.4	3686.6	3751.4	3791.2	3736.4	3701.5	3628.1	3568.3	3562.0
47.5°	3770.0	3751.4	3818.6	3883.4	3893.3	3849.7	3861.0	3893.3	3816.1	3717.7	3748.9
50°	3869.7	3869.7	3914.5	3974.3	3955.6	3899.6	3988.0	3990.5	3913.3	3826.1	3826.1
52.5°	3696.6	3735.2	3862.2	4057.7	4120.0	4136.2	4116.3	4031.6	3829.8	3651.7	3643.0
55°	3220.8	3212.1	3383.9	3832.3	4194.7	4386.5	4132.5	3742.6	3332.9	3132.4	3112.4
57.5°	2094.9	2104.8	2361.4	2818.5	3472.4	3829.8	3401.4	2853.4	2361.4	2084.9	2111.1
60°	942.8	976.4	1132.1	1473.4	2035.1	2326.5	2040.1	1548.1	1188.2	1031.2	1044.9
62.5°	541.8	548.0	554.2	657.6	866.8	1025.0	900.5	695.0	612.8	585.4	585.4
65°	457.1	453.4	454.6	463.3	485.7	518.1	504.4	485.7	488.2	485.7	482.0
67.5°	388.6	393.6	389.8	396.1	397.3	402.3	411.0	418.5	419.7	422.2	419.7
70°	318.8	320.1	322.6	327.6	328.8	332.5	345.0	351.2	355.0	355.0	359.9
72.5°	244.1	242.9	245.4	250.3	256.6	257.8	269.0	277.7	282.7	276.5	277.7
75°	160.7	161.9	165.6	169.4	178.1	186.8	190.6	199.3	200.5	203.0	196.8
77.5°	95.9	98.4	102.1	109.6	117.1	124.5	133.3	139.5	142.0	139.5	132.0
80°	62.3	62.3	67.3	73.5	82.2	88.4	93.4	98.4	102.1	98.4	95.9
82.5°	38.6	38.6	44.8	52.3	58.5	62.3	69.7	76.0	79.7	77.2	73.5
85°	19.9	21.2	26.2	32.4	37.4	39.9	38.6	34.9	31.1	29.9	27.4
87.5°	6.2	6.2	7.5	7.5	6.2	6.2	7.5	6.2	7.5	7.5	7.5
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)