

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: P527684

Luminaire Tested: **GALN-SA2D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2D-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11400 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

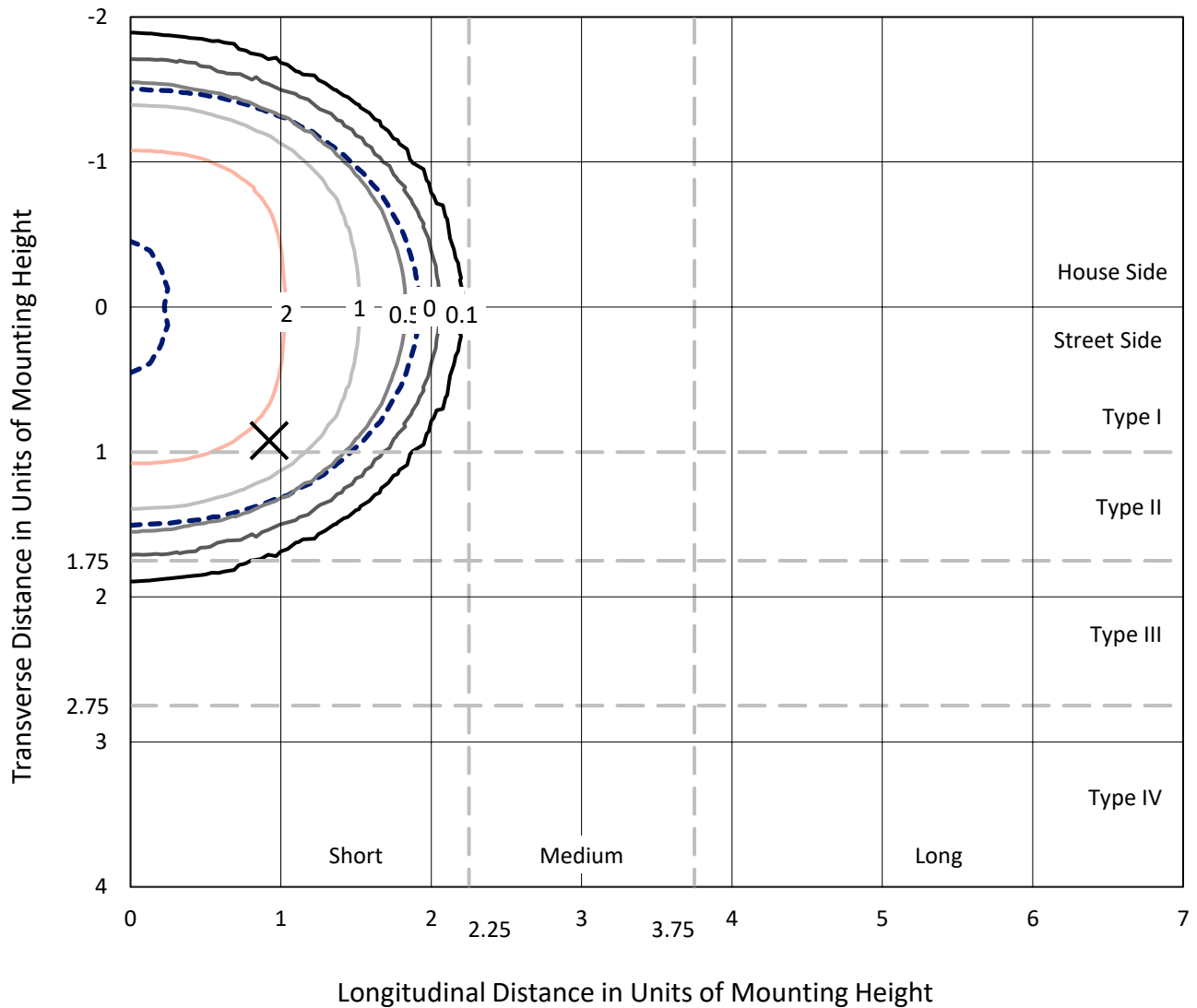
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

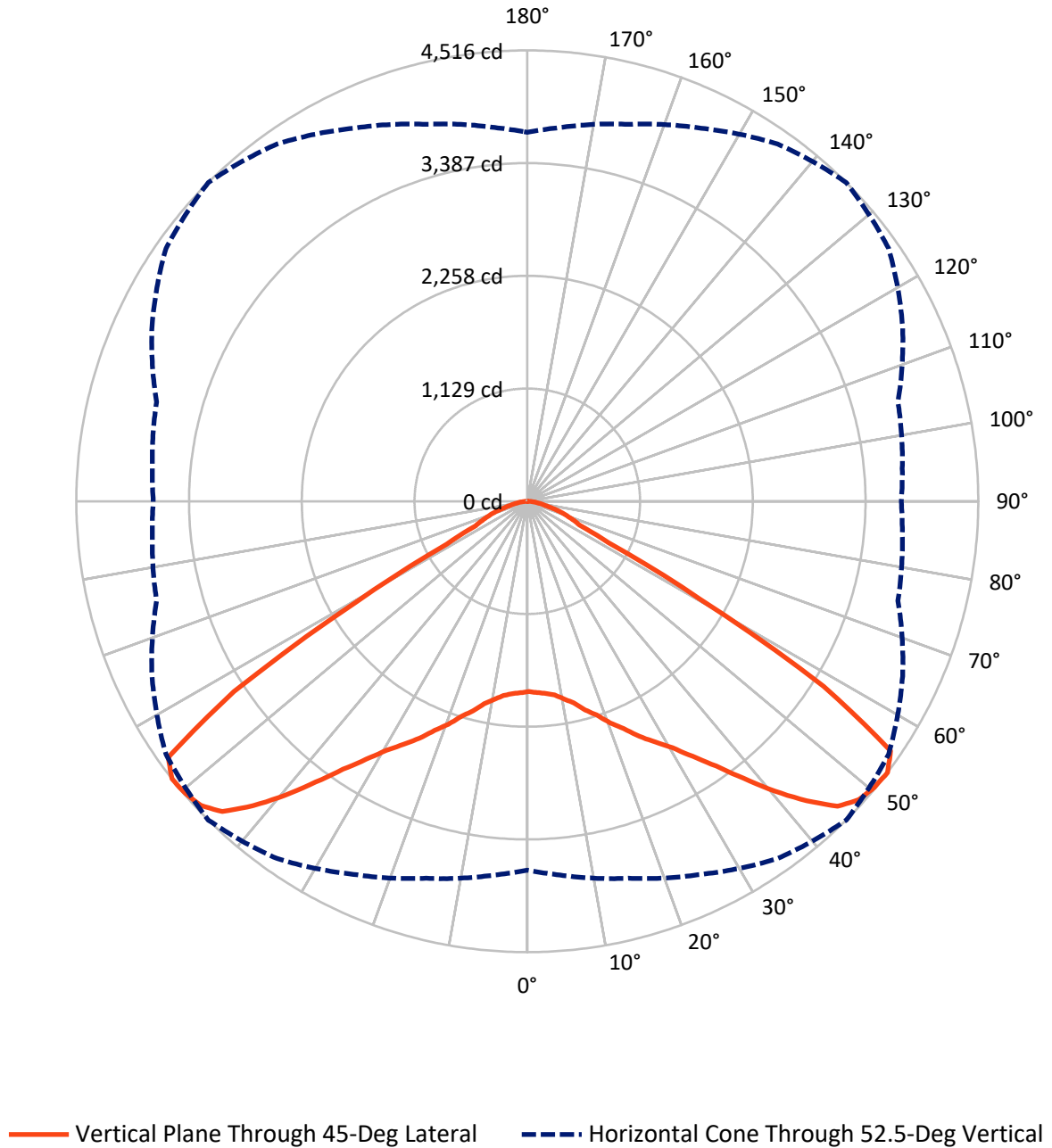
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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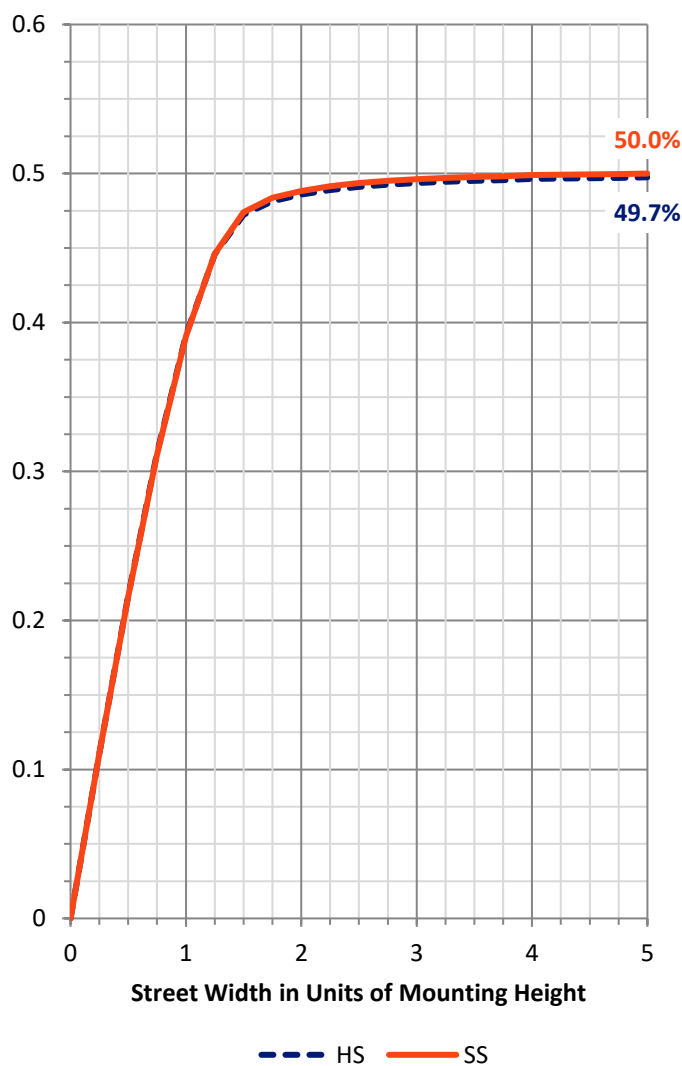
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5700.0	0.0	5700.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5700.0	0.0	5700.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11400.0	0.0	11400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	1.6
10°-20°	615.2	5.4
20°-30°	1171.3	10.3
30°-40°	2011.2	17.6
40°-50°	3091.2	27.1
50°-60°	3139.1	27.5
60°-70°	874.8	7.7
70°-80°	258.1	2.3
80°-90°	52.0	0.5
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°	11400.0	100.0
0°-180°	11400.0	100.0

Coefficient of Utilization



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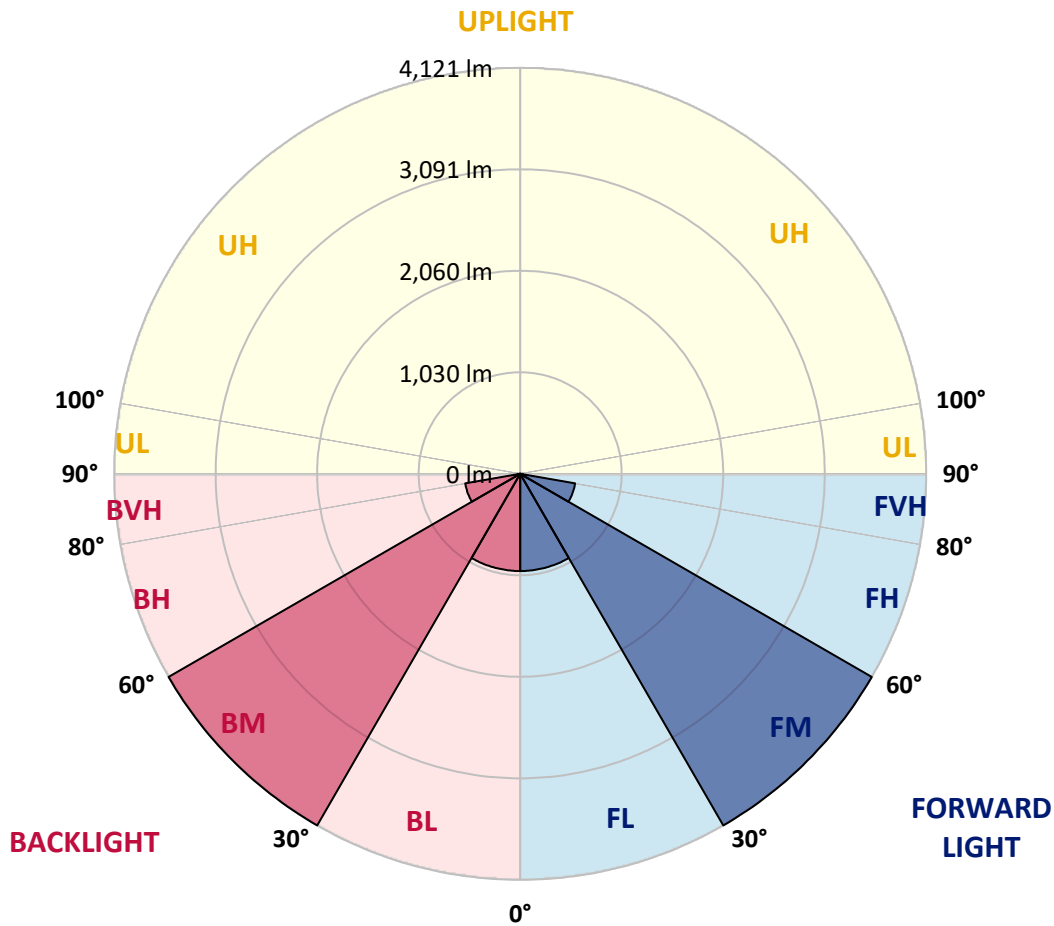
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	986.9	8.7			
FM (30°-60°)	4120.7	36.1			
FH (60°-80°)	566.4	5.0			G0/660
FVH (80°-90°)	26.0	0.2			G1/100
BL (0°-30°)	986.9	8.7	B2/1000		
BM (30°-60°)	4120.7	36.1	B3/5000		
BH (60°-80°)	566.4	5.0	B2/1000		G0/660
BVH (80°-90°)	26.0	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°	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7
2.5°	1909.9	1890.1	1897.2	1901.4	1919.8	1918.4	1914.1	1919.8	1925.5	1926.9	1924.1
5°	1908.5	1894.3	1900.0	1904.2	1922.6	1932.5	1929.7	1953.8	1970.7	1966.5	1987.7
7.5°	1897.2	1905.7	1898.6	1919.8	1935.4	1959.4	1984.9	2007.5	2028.7	2052.8	2057.0
10°	1922.6	1922.6	1935.4	1952.3	1993.4	2011.8	2048.5	2081.1	2122.1	2150.4	2139.1
12.5°	1949.5	1953.8	1953.8	1997.6	2031.6	2072.6	2106.6	2150.4	2208.4	2242.4	2259.3
15°	1976.4	1979.2	1993.4	2052.8	2103.7	2168.8	2199.9	2239.5	2272.1	2335.7	2337.2
17.5°	2000.4	2016.0	2058.5	2124.9	2188.6	2250.9	2300.4	2341.4	2369.7	2395.2	2389.5
20°	2091.0	2102.3	2146.2	2212.7	2307.4	2368.3	2385.3	2392.3	2410.7	2461.7	2446.1
22.5°	2178.7	2183.0	2224.0	2325.8	2392.3	2473.0	2491.4	2487.1	2494.2	2506.9	2529.6
25°	2269.2	2276.3	2332.9	2419.2	2512.6	2608.8	2624.4	2591.8	2581.9	2596.1	2597.5
27.5°	2385.3	2386.7	2458.8	2533.8	2639.9	2730.5	2754.5	2729.0	2682.4	2693.7	2712.1
30°	2532.4	2522.5	2594.6	2702.2	2813.9	2864.9	2905.9	2893.2	2842.2	2832.3	2816.8
32.5°	2702.2	2705.0	2770.1	2887.5	2961.1	3045.9	3089.8	3068.6	3036.0	3019.1	3029.0
35°	2941.3	2954.0	2997.8	3095.5	3214.3	3256.7	3326.1	3280.8	3195.9	3217.1	3235.5
37.5°	3137.9	3174.7	3256.7	3372.7	3443.5	3521.3	3546.8	3485.9	3423.7	3398.2	3459.0
40°	3439.2	3427.9	3518.5	3634.5	3739.2	3817.0	3784.4	3723.6	3569.4	3570.8	3587.8
42.5°	3698.1	3703.8	3773.1	3911.8	4054.7	4102.8	3999.5	3850.9	3679.7	3661.4	3698.1
45°	3916.0	3938.6	3978.3	4163.6	4303.7	4356.0	4165.0	3989.6	3760.4	3684.0	3744.8
47.5°	3993.8	4030.6	4116.9	4286.7	4425.3	4467.8	4315.0	4063.1	3835.4	3710.9	3743.4
50°	4005.1	3992.4	4133.9	4289.5	4411.2	4503.1	4368.7	4116.9	3817.0	3751.9	3742.0
52.5°	3695.3	3757.6	3908.9	4122.6	4368.7	4515.9	4416.8	4146.6	3842.4	3768.9	3744.8
55°	2990.8	2917.2	3193.1	3552.4	4005.1	4414.0	4399.9	4162.2	3858.0	3797.2	3764.6
57.5°	1669.4	1690.6	1846.2	2236.7	2821.0	3500.1	3911.8	3998.1	3850.9	3815.6	3832.5
60°	772.5	779.5	846.0	1028.5	1390.7	1984.9	2526.7	3077.1	3330.3	3381.2	3381.2
62.5°	575.8	573.0	589.9	622.5	698.9	912.5	1218.1	1655.3	2003.3	2246.6	2310.3
65°	520.6	519.2	527.7	539.0	544.7	574.4	642.3	776.7	889.9	955.0	943.6
67.5°	455.5	454.1	457.0	464.0	473.9	489.5	506.5	534.8	574.4	571.6	564.5
70°	367.8	367.8	372.1	377.7	389.1	407.4	427.3	447.1	481.0	488.1	486.7
72.5°	271.6	267.4	275.9	287.2	298.5	321.1	342.4	360.8	384.8	391.9	389.1
75°	172.6	175.4	181.1	193.8	213.6	229.2	251.8	267.4	282.9	288.6	290.0
77.5°	96.2	99.0	108.9	124.5	144.3	161.3	181.1	193.8	203.7	205.1	206.6
80°	58.0	59.4	69.3	83.5	100.4	118.8	134.4	147.1	155.6	151.4	150.0
82.5°	35.4	36.8	45.3	58.0	72.2	86.3	103.3	114.6	123.1	117.4	111.8
85°	18.4	19.8	26.9	35.4	46.7	53.8	53.8	48.1	46.7	43.9	42.4
87.5°	5.7	5.7	7.1	8.5	7.1	8.5	9.9	11.3	11.3	12.7	11.3
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)