

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: P647267

Luminaire Tested: **GALN-SA2D-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647267
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-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 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: 10673.1 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

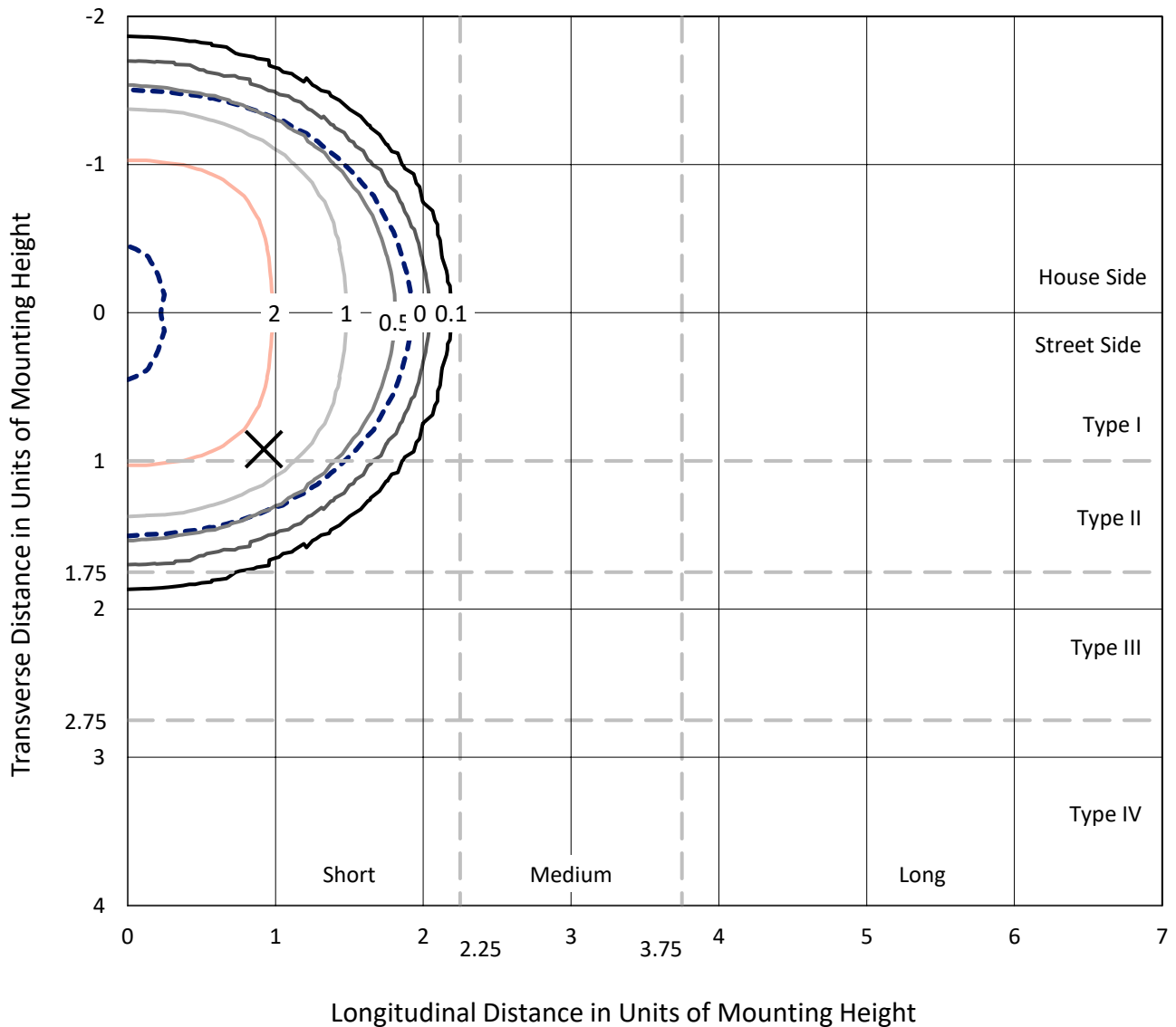
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

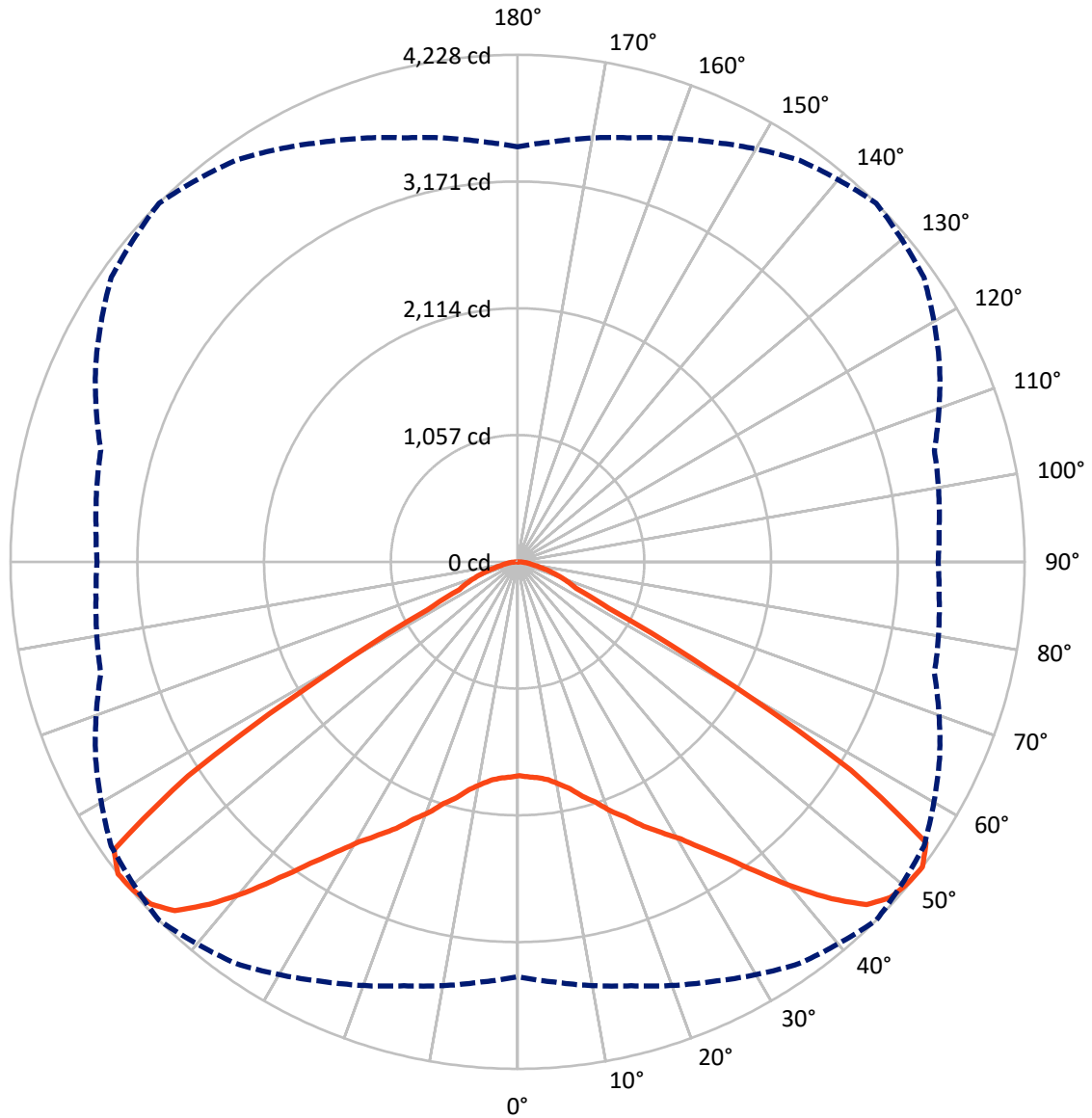
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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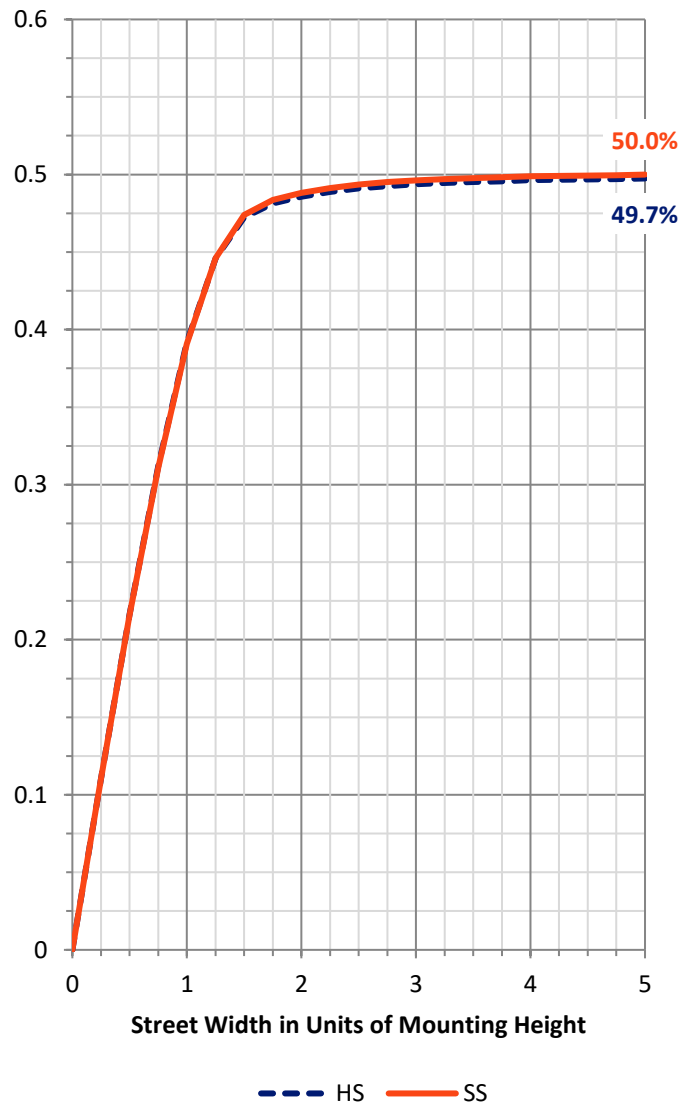
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5336.5	0.0	5336.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5336.5	0.0	5336.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10673.1	0.0	10673.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	1.6
10°-20°	576.0	5.4
20°-30°	1096.6	10.3
30°-40°	1882.9	17.6
40°-50°	2894.1	27.1
50°-60°	2938.9	27.5
60°-70°	819.0	7.7
70°-80°	241.6	2.3
80°-90°	48.7	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°	10673.1	100.0
0°-180°	10673.1	100.0

Coefficient of Utilization



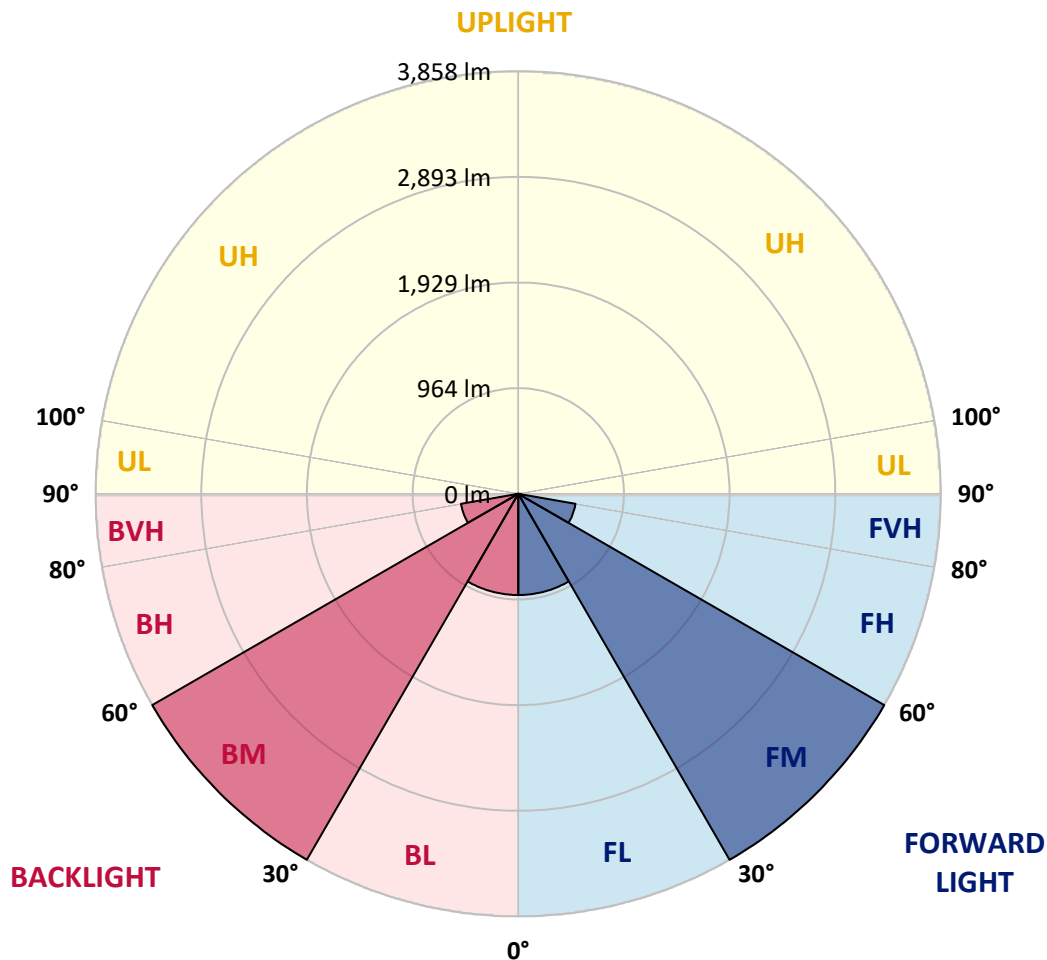
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.9	8.7			
FM (30°-60°)	3858.0	36.1			
FH (60°-80°)	530.3	5.0			G0/660
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	923.9	8.7	B2/1000		
BM (30°-60°)	3858.0	36.1	B3/5000		
BH (60°-80°)	530.3	5.0	B2/1000		G0/660
BVH (80°-90°)	24.3	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°	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1	1784.1
2.5°	1788.1	1769.6	1776.2	1780.2	1797.4	1796.0	1792.1	1797.4	1802.7	1804.0	1801.4
5°	1786.8	1773.6	1778.8	1782.8	1800.0	1809.3	1806.7	1829.2	1845.1	1841.1	1861.0
7.5°	1776.2	1784.1	1777.5	1797.4	1811.9	1834.5	1858.3	1879.5	1899.4	1921.9	1925.9
10°	1800.0	1800.0	1811.9	1827.8	1866.3	1883.5	1918.0	1948.4	1986.8	2013.3	2002.7
12.5°	1825.2	1829.2	1829.2	1870.3	1902.1	1940.4	1972.2	2013.3	2067.6	2099.4	2115.3
15°	1850.4	1853.0	1866.3	1921.9	1969.6	2030.5	2059.7	2096.7	2127.2	2186.8	2188.1
17.5°	1872.9	1887.4	1927.2	1989.4	2049.0	2107.4	2153.7	2192.1	2218.6	2242.4	2237.1
20°	1957.7	1968.2	2009.3	2071.6	2160.3	2217.3	2233.2	2239.8	2257.0	2304.7	2290.1
22.5°	2039.8	2043.8	2082.2	2177.5	2239.8	2315.3	2332.5	2328.6	2335.1	2347.0	2368.3
25°	2124.5	2131.2	2184.2	2265.0	2352.4	2442.4	2457.0	2426.5	2417.3	2430.5	2431.8
27.5°	2233.2	2234.4	2302.0	2372.3	2471.5	2556.3	2578.9	2555.0	2511.3	2521.9	2539.1
30°	2370.9	2361.6	2429.2	2529.9	2634.5	2682.2	2720.6	2708.6	2660.9	2651.7	2637.1
32.5°	2529.9	2532.5	2593.5	2703.4	2772.2	2851.7	2892.8	2872.9	2842.4	2826.6	2835.8
35°	2753.7	2765.6	2806.7	2898.0	3009.3	3049.1	3114.0	3071.6	2992.2	3012.0	3029.2
37.5°	2937.8	2972.3	3049.1	3157.7	3223.9	3296.7	3320.6	3263.6	3205.4	3181.6	3238.5
40°	3219.9	3209.4	3294.1	3402.8	3500.7	3573.6	3543.2	3486.2	3341.8	3343.1	3359.0
42.5°	3462.3	3467.6	3532.5	3662.3	3796.1	3841.2	3744.5	3605.4	3445.1	3427.9	3462.3
45°	3666.3	3687.5	3724.6	3898.1	4029.2	4078.3	3899.4	3735.1	3520.6	3449.1	3506.0
47.5°	3739.1	3773.6	3854.4	4013.3	4143.2	4182.9	4039.8	3804.0	3590.8	3474.2	3504.7
50°	3749.8	3737.8	3870.3	4016.0	4129.9	4216.0	4090.2	3854.4	3573.6	3512.7	3503.4
52.5°	3459.7	3517.9	3659.7	3859.7	4090.2	4227.9	4135.2	3882.2	3597.4	3528.6	3506.0
55°	2800.1	2731.2	2989.5	3325.9	3749.8	4132.5	4119.3	3896.8	3612.0	3555.1	3524.6
57.5°	1562.9	1582.8	1728.6	2094.1	2641.1	3276.9	3662.3	3743.1	3605.4	3572.3	3588.2
60°	723.2	729.8	792.1	962.9	1302.1	1858.3	2365.6	2880.9	3118.0	3165.7	3165.7
62.5°	539.1	536.4	552.3	582.8	654.4	854.3	1140.4	1549.7	1875.5	2103.4	2163.0
65°	487.4	486.1	494.1	504.6	510.0	537.8	601.3	727.2	833.1	894.0	883.5
67.5°	426.5	425.2	427.8	434.4	443.7	458.3	474.2	500.7	537.8	535.1	528.5
70°	344.4	344.4	348.4	353.7	364.3	381.5	400.0	418.5	450.3	457.0	455.6
72.5°	254.3	250.3	258.3	268.9	279.5	300.7	320.6	337.8	360.3	366.9	364.3
75°	161.6	164.3	169.5	181.5	200.0	214.5	235.8	250.3	264.9	270.2	271.5
77.5°	90.0	92.7	102.0	116.6	135.1	151.0	169.5	181.5	190.7	192.1	193.4
80°	54.3	55.6	64.9	78.1	94.0	111.3	125.8	137.7	145.7	141.7	140.4
82.5°	33.1	34.5	42.4	54.3	67.6	80.8	96.7	107.3	115.3	109.9	104.6
85°	17.2	18.6	25.1	33.1	43.7	50.3	50.3	45.0	43.7	41.0	39.7
87.5°	5.3	5.3	6.7	7.9	6.7	7.9	9.2	10.6	10.6	11.9	10.6
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)