

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: P647321

Luminaire Tested: **GALN-SA3D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11685.5 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

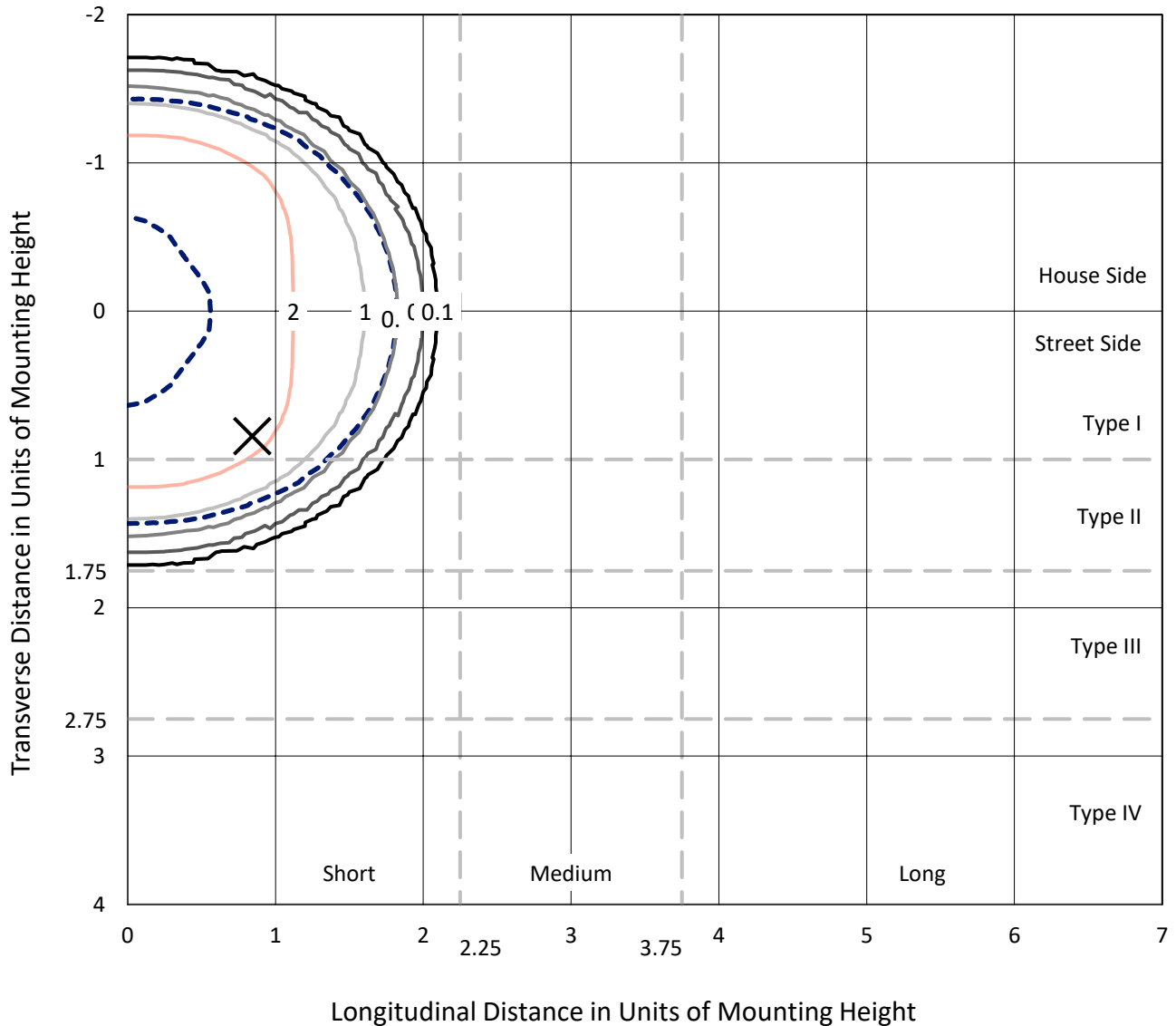
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

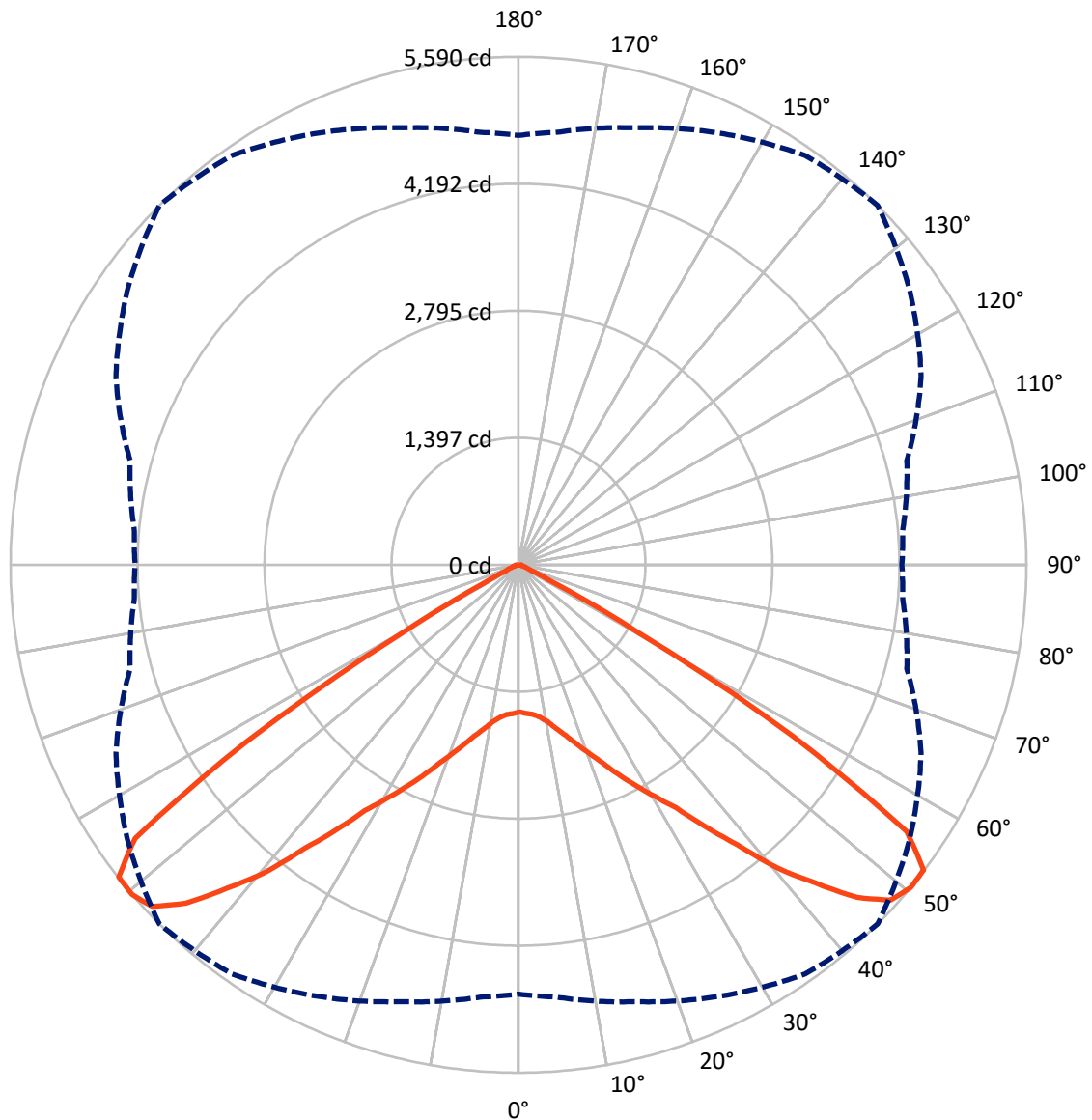
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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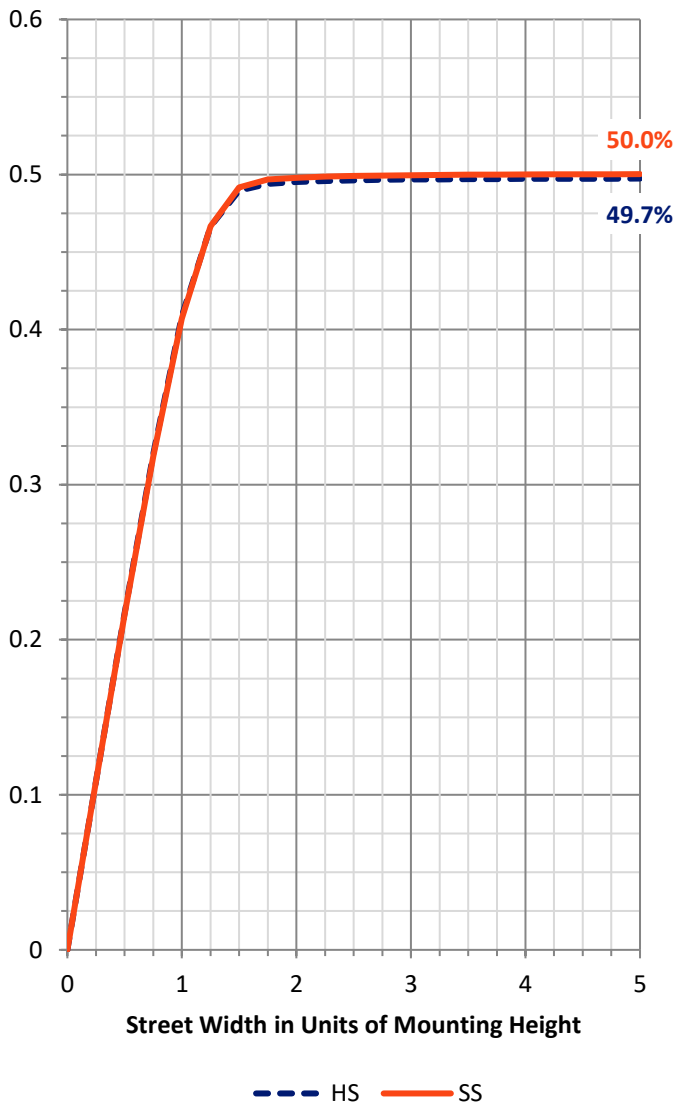
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5842.7	0.0	5842.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5842.7	0.0	5842.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11685.5	0.0	11685.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.4
10°-20°	555.5	4.8
20°-30°	1134.5	9.7
30°-40°	2163.6	18.5
40°-50°	3645.9	31.2
50°-60°	3477.0	29.8
60°-70°	485.4	4.2
70°-80°	46.4	0.4
80°-90°	16.0	0.1
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°	11685.5	100.0
0°-180°	11685.5	100.0

Coefficient of Utilization

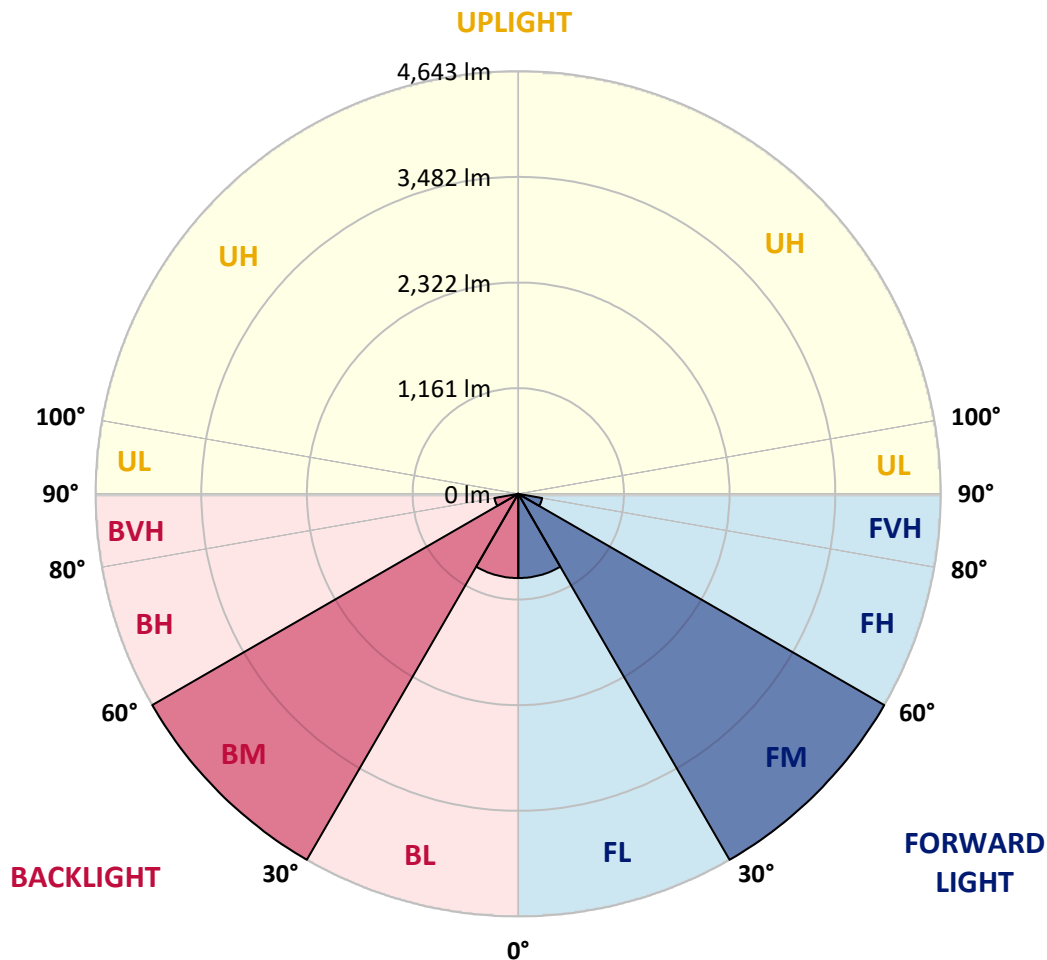


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	925.6	7.9			
FM (30°-60°)	4643.2	39.7			
FH (60°-80°)	265.9	2.3			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	925.6	7.9	B2/1000		
BM (30°-60°)	4643.2	39.7	B3/5000		
BH (60°-80°)	265.9	2.3	B1/500		G0/660
BVH (80°-90°)	8.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0	1620.0
2.5°	1614.2	1614.2	1612.2	1627.9	1620.0	1637.7	1635.8	1641.7	1647.6	1645.6	1661.4
5°	1600.4	1598.4	1598.4	1616.1	1633.8	1653.5	1671.2	1683.0	1702.6	1702.6	1722.3
7.5°	1614.2	1604.4	1618.1	1626.0	1659.4	1692.8	1722.3	1745.9	1791.1	1806.9	1801.0
10°	1618.1	1629.9	1639.8	1663.3	1704.6	1755.7	1781.2	1840.3	1891.4	1926.8	1934.6
12.5°	1643.7	1661.4	1688.9	1745.9	1783.3	1850.1	1885.5	1942.5	2013.2	2052.6	2080.1
15°	1692.8	1698.7	1734.1	1806.9	1887.4	1948.4	2003.5	2044.7	2113.6	2158.8	2160.8
17.5°	1755.7	1781.2	1830.4	1899.2	1983.8	2074.2	2117.5	2162.7	2188.3	2249.2	2262.9
20°	1881.5	1885.5	1932.7	2023.1	2129.3	2211.9	2243.3	2266.9	2257.1	2320.0	2331.8
22.5°	1999.5	2003.5	2062.4	2184.3	2298.3	2369.1	2382.9	2369.1	2339.7	2384.9	2388.8
25°	2119.4	2154.8	2198.1	2320.0	2461.5	2555.9	2557.9	2520.6	2459.6	2467.5	2487.1
27.5°	2306.2	2331.8	2377.0	2489.1	2644.4	2750.6	2732.9	2687.6	2609.0	2614.9	2609.0
30°	2524.5	2548.0	2585.4	2728.9	2843.0	2959.0	2984.6	2941.3	2823.3	2797.7	2827.3
32.5°	2787.9	2821.4	2890.1	3021.9	3118.2	3189.0	3206.7	3191.0	3080.9	3071.1	3090.7
35°	3108.4	3153.6	3216.6	3332.5	3411.2	3539.0	3539.0	3485.9	3385.6	3397.4	3395.5
37.5°	3446.5	3513.4	3611.7	3729.7	3835.8	3904.7	3883.1	3837.8	3737.6	3712.0	3737.6
40°	3871.2	3904.7	4028.5	4181.9	4311.7	4390.3	4297.9	4199.6	3959.7	3997.1	4065.9
42.5°	4258.6	4311.7	4406.0	4575.1	4722.6	4787.4	4677.3	4482.7	4193.7	4164.2	4215.3
45°	4588.8	4645.9	4769.7	5011.6	5166.9	5223.9	4980.1	4665.6	4335.2	4260.5	4282.1
47.5°	4809.1	4838.5	5011.6	5241.6	5383.2	5512.9	5162.9	4791.4	4402.1	4260.5	4252.7
50°	4724.5	4775.7	4978.2	5239.7	5497.2	5589.6	5255.4	4887.7	4423.7	4242.8	4219.3
52.5°	4195.6	4284.1	4510.2	4862.2	5251.4	5581.8	5383.2	4856.2	4415.9	4260.5	4295.9
55°	2919.7	2921.6	3196.9	3716.0	4404.1	5182.6	5196.4	4891.6	4466.9	4370.6	4372.6
57.5°	1173.8	1232.8	1443.1	1964.2	2599.2	3558.7	4231.0	4537.7	4472.9	4449.3	4510.2
60°	296.9	298.9	363.7	554.4	914.2	1525.7	2215.8	2998.3	3452.5	3607.8	3629.4
62.5°	151.4	153.4	169.0	196.6	249.7	409.0	727.5	1154.1	1641.7	1889.5	1954.3
65°	123.9	123.9	133.7	147.4	149.4	157.3	188.8	269.4	391.3	444.4	450.2
67.5°	94.4	94.4	102.3	110.1	114.0	112.0	108.1	112.0	135.7	129.7	125.8
70°	59.0	60.9	64.9	72.7	76.7	78.6	80.6	84.6	96.3	100.3	96.3
72.5°	35.4	35.4	37.3	43.2	49.2	53.1	59.0	63.0	68.8	78.6	76.7
75°	15.7	15.7	19.7	25.5	31.5	37.3	43.2	49.2	53.1	59.0	60.9
77.5°	3.9	5.9	9.9	17.7	23.6	31.5	39.3	45.3	49.2	49.2	47.2
80°	2.0	2.0	7.8	13.8	25.5	33.4	43.2	47.2	53.1	49.2	43.2
82.5°	2.0	2.0	7.8	13.8	23.6	33.4	45.3	51.1	55.0	49.2	41.3
85°	0.0	2.0	5.9	11.8	19.7	23.6	19.7	13.8	7.8	7.8	5.9
87.5°	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)