

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: P648469

Luminaire Tested: **GALN-SA6B-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13781.6 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

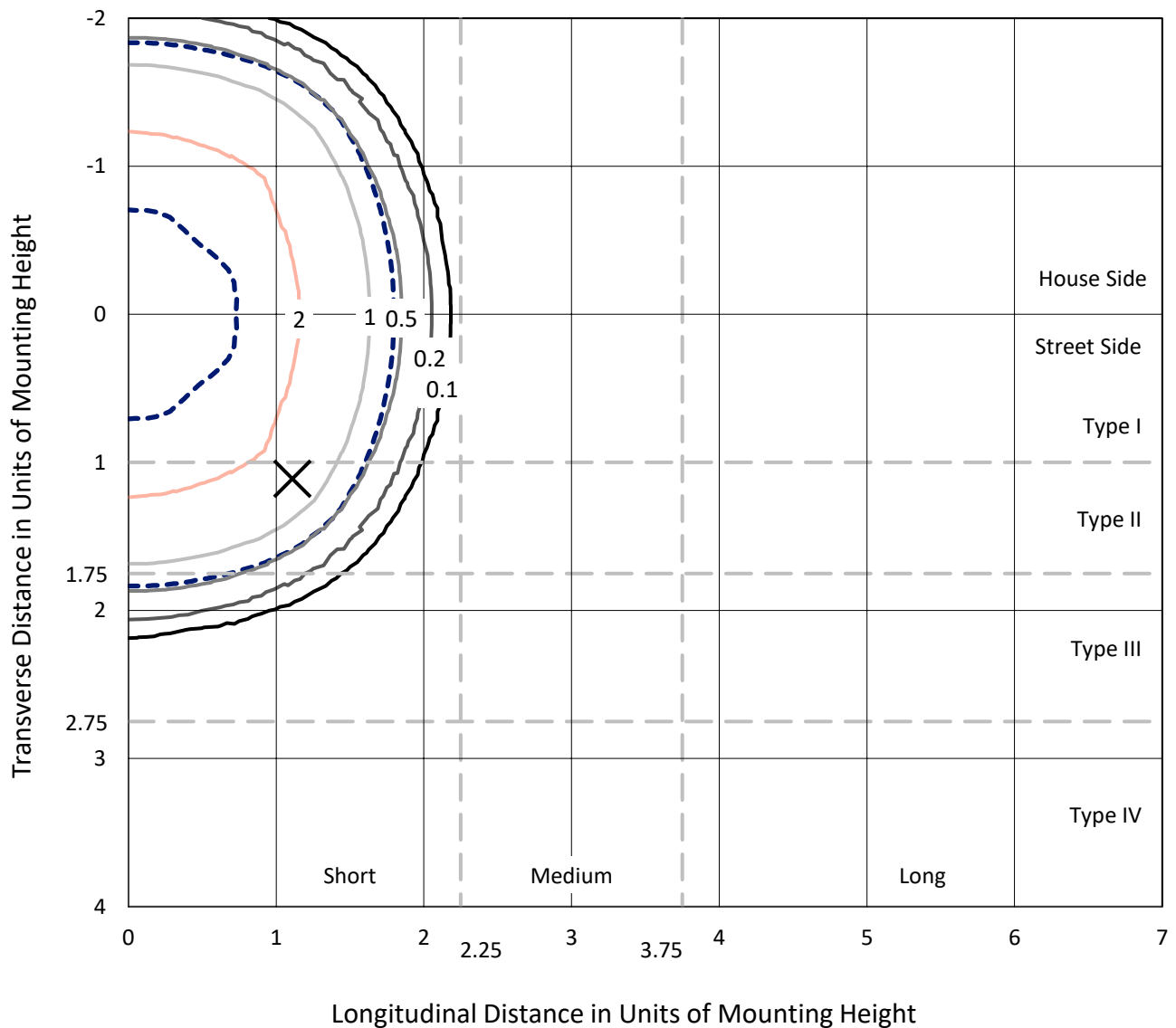
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

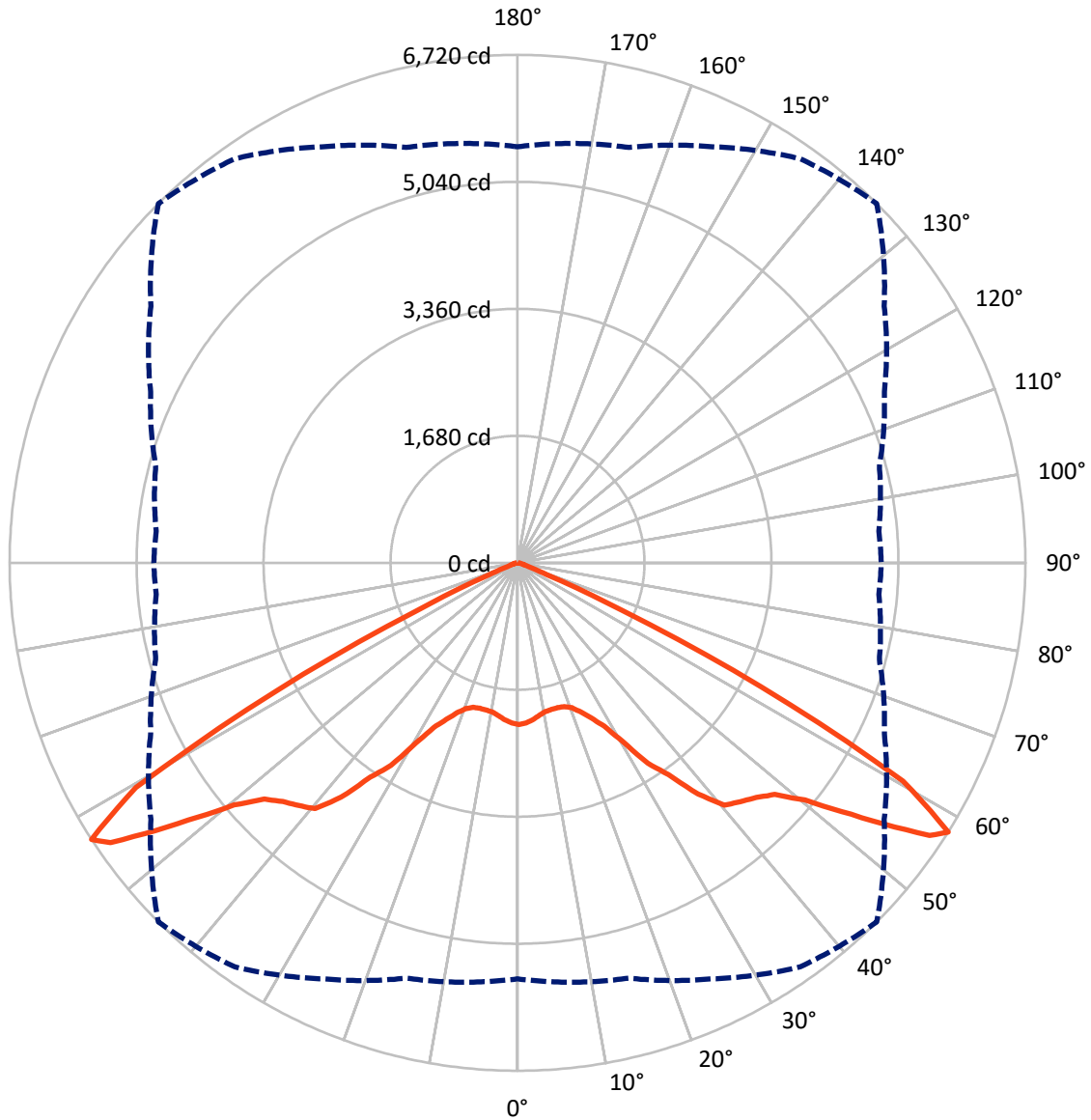
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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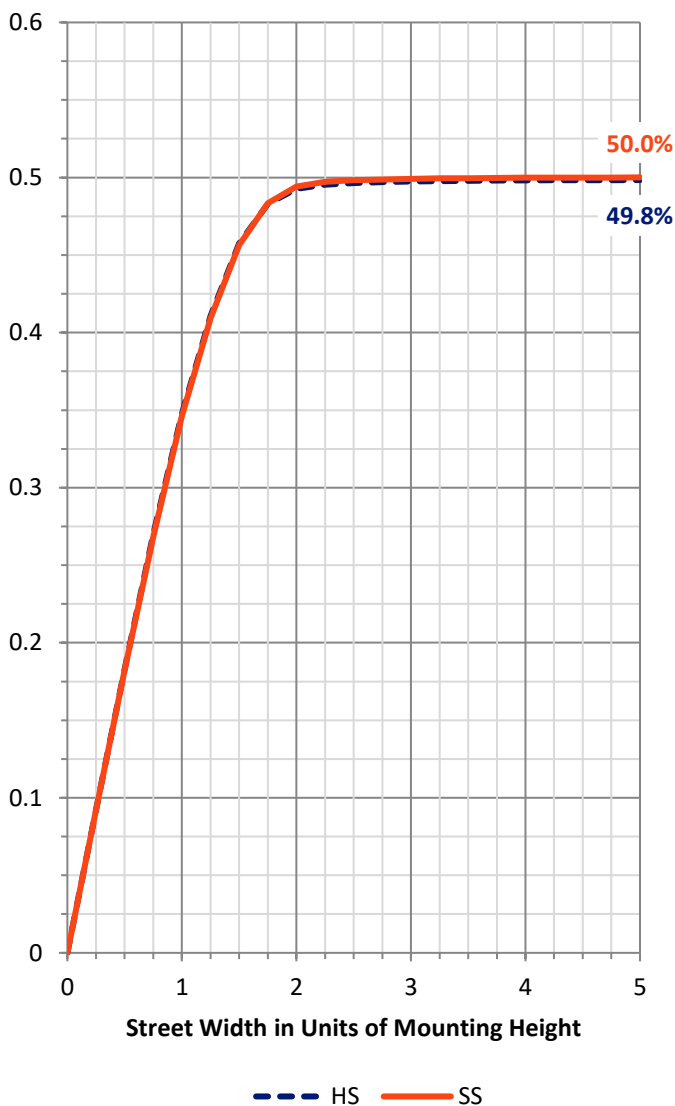
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6890.8	0.0	6890.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6890.8	0.0	6890.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13781.6	0.0	13781.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	1.4
10°-20°	567.8	4.1
20°-30°	1048.1	7.6
30°-40°	2061.2	15.0
40°-50°	3357.1	24.4
50°-60°	4787.7	34.7
60°-70°	1657.6	12.0
70°-80°	88.9	0.6
80°-90°	16.7	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°	13781.6	100.0
0°-180°	13781.6	100.0

Coefficient of Utilization



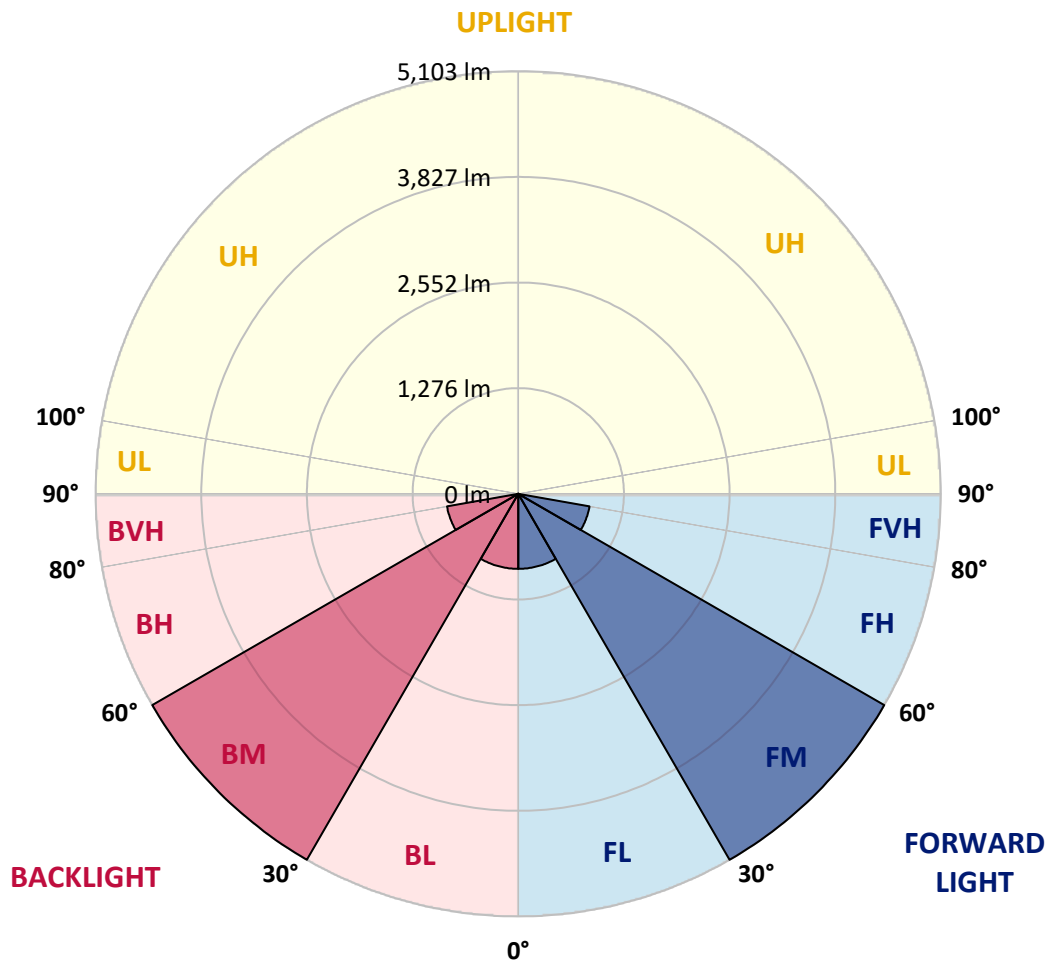
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.2	6.6			
FM (30°-60°)	5103.0	37.0			
FH (60°-80°)	873.3	6.3			G1/1800
FVH (80°-90°)	8.3	0.1			G0/10
BL (0°-30°)	906.2	6.6	B2/1000		
BM (30°-60°)	5103.0	37.0	B4/8500		
BH (60°-80°)	873.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7	2137.7
2.5°	2132.0	2143.4	2129.1	2123.3	2120.4	2120.4	2111.8	2111.8	2108.9	2111.8	2100.3
5°	2097.4	2108.9	2108.9	2106.0	2088.8	2085.9	2077.3	2071.6	2074.5	2063.0	2071.6
7.5°	2063.0	2071.6	2060.1	2057.3	2051.5	2039.9	2037.1	2011.2	2014.1	2014.1	2019.9
10°	2057.3	2054.4	2037.1	2022.7	2005.5	2002.6	1994.0	1988.3	1988.3	1985.4	1994.0
12.5°	2057.3	2042.8	2039.9	2008.4	1979.7	1991.2	1968.1	1953.8	1973.9	1979.7	1991.2
15°	2054.4	2068.7	2019.9	2005.5	1985.4	1988.3	1968.1	1953.8	1965.3	1971.0	1979.7
17.5°	2071.6	2063.0	2048.6	2019.9	2011.2	1999.8	1973.9	1962.4	1962.4	1976.8	1979.7
20°	2117.5	2094.6	2065.9	2051.5	2060.1	2045.7	2014.1	1971.0	1982.5	1994.0	2002.6
22.5°	2160.7	2143.4	2123.3	2114.6	2163.5	2140.6	2085.9	2037.1	2019.9	2039.9	2054.4
25°	2244.0	2244.0	2206.7	2218.1	2272.7	2275.6	2212.4	2126.2	2114.6	2123.3	2129.1
27.5°	2413.5	2422.1	2390.5	2402.0	2425.0	2445.1	2390.5	2318.7	2292.9	2290.0	2298.6
30°	2597.4	2614.6	2611.8	2660.6	2726.6	2738.2	2657.7	2539.9	2462.4	2448.0	2459.5
32.5°	2838.8	2847.4	2841.6	2899.1	3077.2	3160.5	2950.8	2784.1	2680.7	2706.6	2680.7
35°	3292.7	3284.1	3220.9	3232.4	3378.9	3439.2	3238.1	3131.8	3083.0	3134.7	3123.2
37.5°	3683.5	3651.8	3600.2	3674.9	3827.1	3881.7	3672.0	3485.2	3396.1	3482.3	3519.7
40°	4013.9	3933.4	3861.6	3936.3	4140.3	4215.0	3907.6	3755.3	3720.8	3784.0	3864.5
42.5°	4292.6	4240.9	4146.1	4151.8	4286.8	4321.3	4074.2	3985.2	3950.6	4051.2	4091.5
45°	4490.8	4442.0	4352.9	4347.1	4450.6	4427.6	4206.4	4146.1	4166.2	4232.3	4252.3
47.5°	4591.4	4617.3	4565.5	4579.9	4634.5	4579.9	4404.6	4404.6	4358.6	4398.9	4378.8
50°	4881.6	4801.1	4867.2	4867.2	4924.7	4930.4	4755.2	4692.0	4568.4	4499.4	4499.4
52.5°	5220.7	5226.4	5252.2	5347.0	5444.7	5528.1	5278.1	5008.0	4801.1	4712.1	4700.6
55°	5499.3	5556.8	5660.2	5838.4	6119.9	6234.9	5803.9	5321.2	5068.4	4930.4	4901.7
56°	5651.6	5597.0	5775.2	6019.4	6387.2	6536.6	5890.1	5384.4	5105.7	4950.5	4947.7
57.5°	5505.0	5565.4	5689.0	6074.0	6525.1	6720.4	5921.7	5355.6	4956.3	4798.2	4812.6
60°	4347.1	4404.6	4571.3	5002.3	5709.1	5861.4	5010.9	4416.1	4059.9	3832.9	3835.8
62.5°	2459.5	2502.5	2631.9	3031.2	3470.8	3617.4	3123.2	2726.6	2479.6	2353.1	2312.9
65°	905.1	887.8	908.0	1111.9	1382.0	1505.6	1298.7	1097.5	968.3	922.3	905.1
67.5°	339.0	313.2	293.1	313.2	393.6	416.6	382.1	318.9	298.8	307.4	313.2
70°	209.8	198.3	158.0	149.4	146.5	143.7	152.3	160.9	183.8	215.5	221.3
72.5°	146.5	137.9	112.0	106.3	100.5	97.7	112.0	123.6	143.7	166.6	169.5
75°	57.5	60.4	57.5	63.2	66.1	69.0	80.4	89.1	97.7	97.7	94.8
77.5°	11.5	11.5	17.2	23.0	28.7	37.3	54.6	63.2	66.1	63.2	54.6
80°	0.0	0.0	5.7	11.5	23.0	31.6	48.9	54.6	60.4	54.6	43.1
82.5°	0.0	0.0	5.7	14.3	23.0	28.7	46.0	57.5	66.1	60.4	46.0
85°	0.0	0.0	5.7	11.5	17.2	20.1	20.1	14.3	14.3	8.6	5.7
87.5°	0.0	0.0	0.0	0.0	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)