

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: P651439

Luminaire Tested: **GALN-SA6D-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651439
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-SA6D-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA 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: 20123.5 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

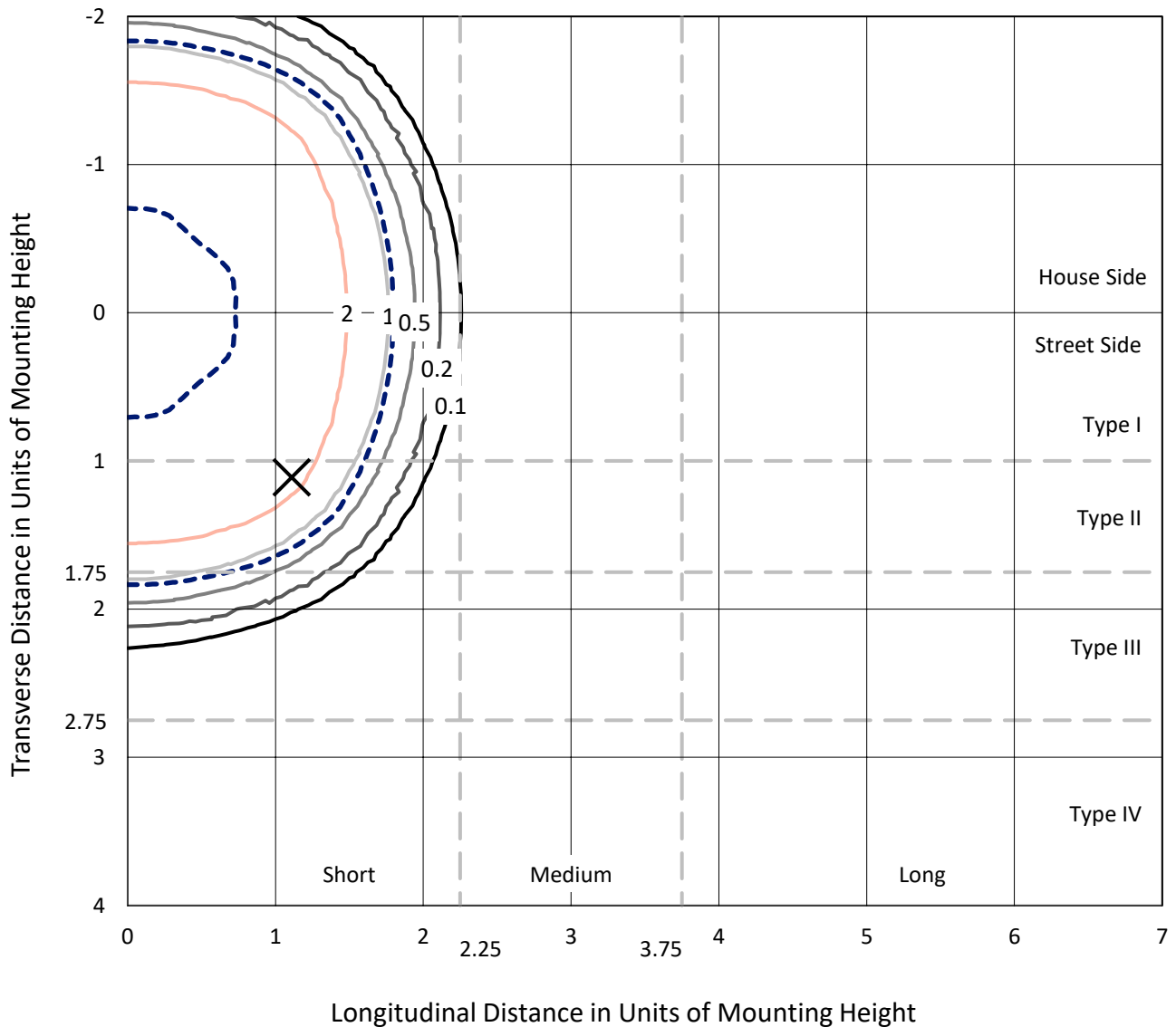
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

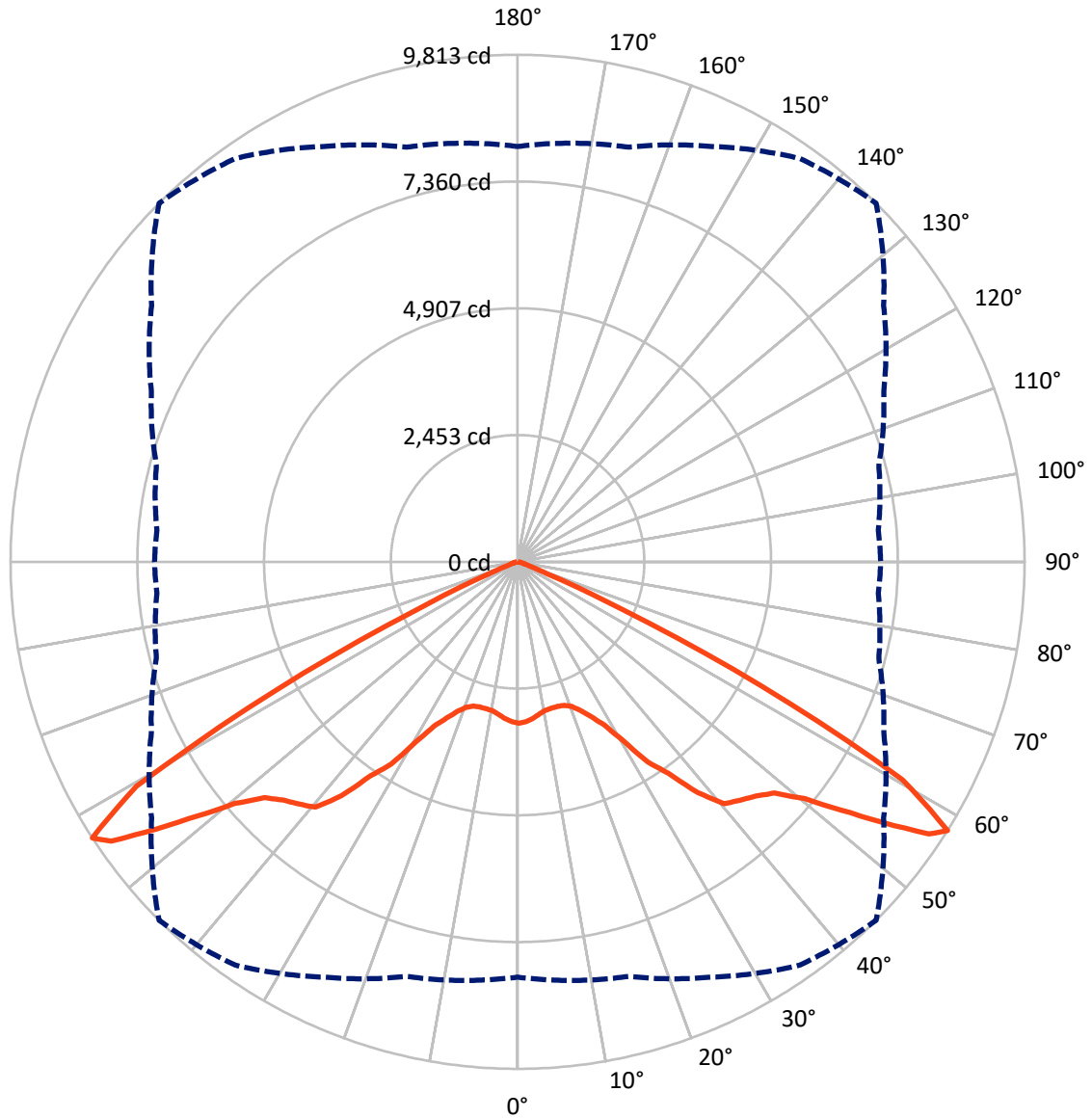
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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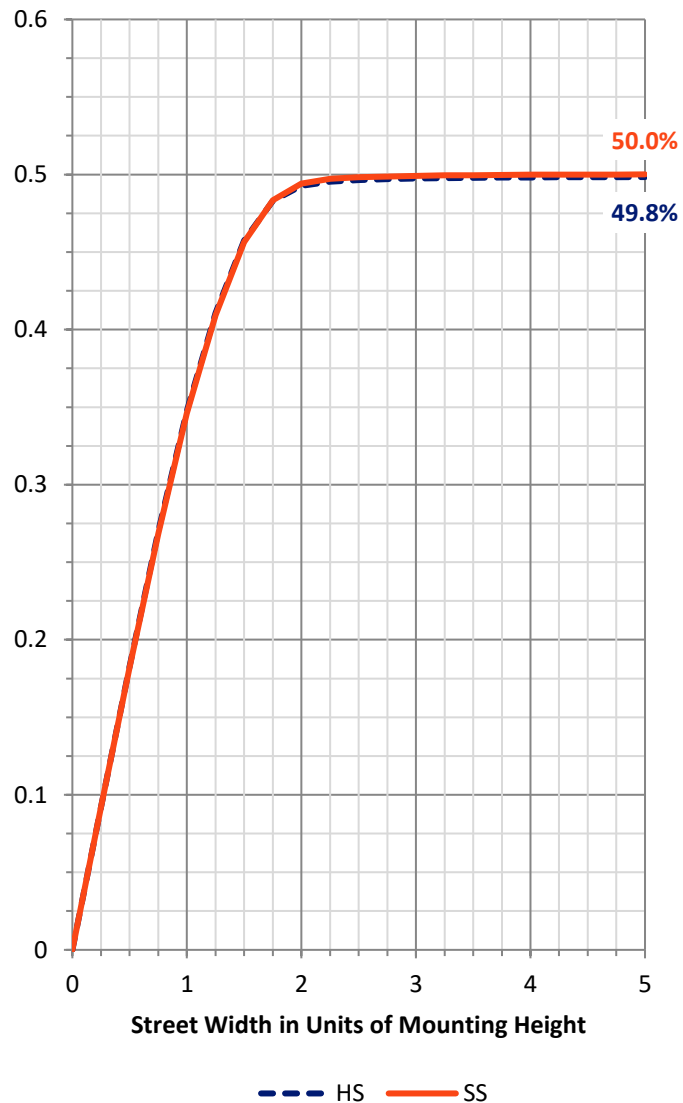
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10061.7	0.0	10061.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10061.7	0.0	10061.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20123.5	0.0	20123.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	1.4
10°-20°	829.1	4.1
20°-30°	1530.4	7.6
30°-40°	3009.7	15.0
40°-50°	4902.0	24.4
50°-60°	6990.8	34.7
60°-70°	2420.4	12.0
70°-80°	129.8	0.6
80°-90°	24.4	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°	20123.5	100.0
0°-180°	20123.5	100.0

Coefficient of Utilization

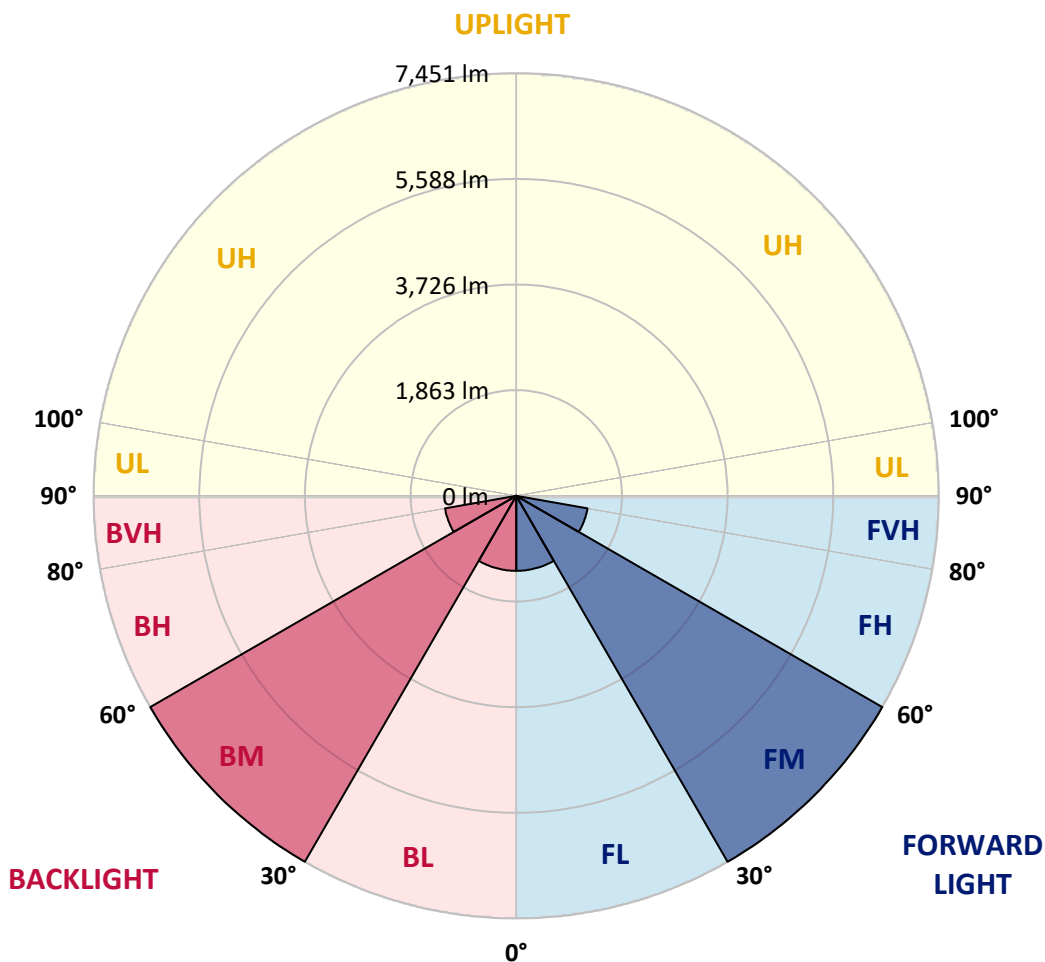


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.2	6.6			
FM (30°-60°)	7451.3	37.0			
FH (60°-80°)	1275.1	6.3			G1/1800
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	1323.2	6.6	B3/2500		
BM (30°-60°)	7451.3	37.0	B4/8500		
BH (60°-80°)	1275.1	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.2	0.1			G1/100
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°	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4	3121.4
2.5°	3113.0	3129.8	3108.8	3100.3	3096.2	3096.2	3083.6	3083.6	3079.4	3083.6	3066.8
5°	3062.6	3079.4	3079.4	3075.2	3050.1	3045.8	3033.2	3024.8	3029.0	3012.3	3024.8
7.5°	3012.3	3024.8	3008.1	3003.9	2995.5	2978.7	2974.5	2936.8	2941.0	2941.0	2949.4
10°	3003.9	2999.7	2974.5	2953.5	2928.4	2924.2	2911.6	2903.2	2903.2	2899.0	2911.6
12.5°	3003.9	2982.9	2978.7	2932.6	2890.6	2907.4	2873.9	2852.8	2882.2	2890.6	2907.4
15°	2999.7	3020.7	2949.4	2928.4	2899.0	2903.2	2873.9	2852.8	2869.7	2878.0	2890.6
17.5°	3024.8	3012.3	2991.3	2949.4	2936.8	2920.0	2882.2	2865.5	2865.5	2886.4	2890.6
20°	3092.0	3058.5	3016.5	2995.5	3008.1	2987.1	2941.0	2878.0	2894.8	2911.6	2924.2
22.5°	3154.9	3129.8	3100.3	3087.8	3159.1	3125.6	3045.8	2974.5	2949.4	2978.7	2999.7
25°	3276.6	3276.6	3222.0	3238.9	3318.5	3322.7	3230.4	3104.6	3087.8	3100.3	3108.8
27.5°	3524.1	3536.7	3490.6	3507.3	3540.9	3570.3	3490.6	3385.7	3347.9	3343.7	3356.3
30°	3792.7	3817.8	3813.6	3884.9	3981.4	3998.2	3880.7	3708.7	3595.4	3574.4	3591.2
32.5°	4145.0	4157.7	4149.2	4233.1	4493.2	4614.9	4308.6	4065.3	3914.3	3952.0	3914.3
35°	4807.9	4795.3	4703.0	4719.8	4933.7	5021.9	4728.2	4572.9	4501.6	4577.1	4560.4
37.5°	5378.4	5332.4	5256.8	5365.9	5588.3	5667.9	5361.7	5089.0	4959.0	5084.8	5139.4
40°	5860.9	5743.4	5638.6	5747.6	6045.5	6154.6	5705.7	5483.3	5433.0	5525.3	5642.8
42.5°	6267.9	6192.4	6053.9	6062.3	6259.5	6309.9	5949.1	5819.0	5768.7	5915.5	5974.2
45°	6557.4	6486.0	6356.0	6347.6	6498.7	6465.1	6142.0	6053.9	6083.3	6179.8	6209.2
47.5°	6704.2	6742.0	6666.4	6687.5	6767.1	6687.5	6431.5	6431.5	6364.4	6423.1	6393.8
50°	7128.0	7010.5	7107.0	7107.0	7190.9	7199.3	6943.4	6851.0	6670.6	6570.0	6570.0
52.5°	7623.0	7631.4	7669.2	7807.6	7950.2	8071.9	7706.9	7312.5	7010.5	6880.4	6863.7
55°	8030.0	8113.9	8264.8	8525.0	8936.1	9104.0	8474.7	7769.8	7400.6	7199.3	7157.3
56°	8252.3	8172.6	8432.7	8789.3	9326.4	9544.5	8600.5	7862.1	7455.2	7228.6	7224.4
57.5°	8038.4	8126.4	8306.8	8869.0	9527.7	9813.0	8646.7	7820.2	7237.1	7006.3	7027.2
60°	6347.6	6431.5	6674.8	7304.2	8336.2	8558.5	7316.7	6448.3	5928.0	5596.6	5600.8
62.5°	3591.2	3654.1	3842.9	4426.1	5068.0	5282.0	4560.4	3981.4	3620.6	3436.0	3377.3
65°	1321.5	1296.4	1325.8	1623.6	2018.0	2198.4	1896.3	1602.6	1413.8	1346.7	1321.5
67.5°	495.0	457.3	427.9	457.3	574.7	608.3	558.0	465.7	436.3	448.9	457.3
70°	306.3	289.5	230.8	218.2	214.0	209.7	222.4	235.0	268.5	314.6	323.0
72.5°	214.0	201.4	163.7	155.2	146.8	142.6	163.7	180.4	209.7	243.3	247.5
75°	83.9	88.1	83.9	92.3	96.5	100.7	117.5	130.0	142.6	142.6	138.4
77.5°	16.8	16.8	25.1	33.6	42.0	54.6	79.7	92.3	96.5	92.3	79.7
80°	0.0	0.0	8.4	16.8	33.6	46.2	71.3	79.7	88.1	79.7	62.9
82.5°	0.0	0.0	8.4	20.9	33.6	42.0	67.1	83.9	96.5	88.1	67.1
85°	0.0	0.0	8.4	16.8	25.1	29.4	29.4	20.9	20.9	12.6	8.4
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)