

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: P647916

Luminaire Tested: **GALN-SA5A-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12318.9 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

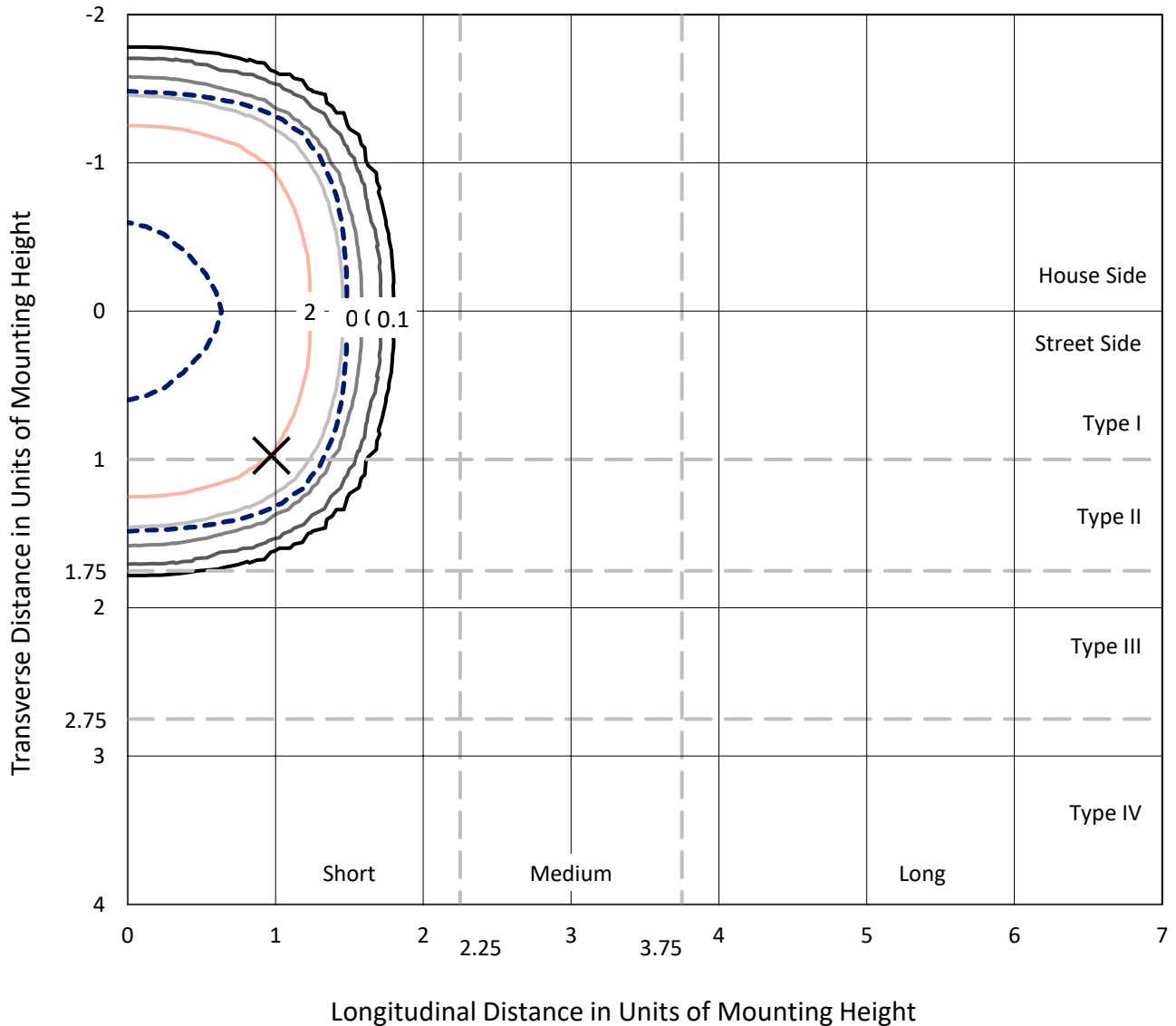
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

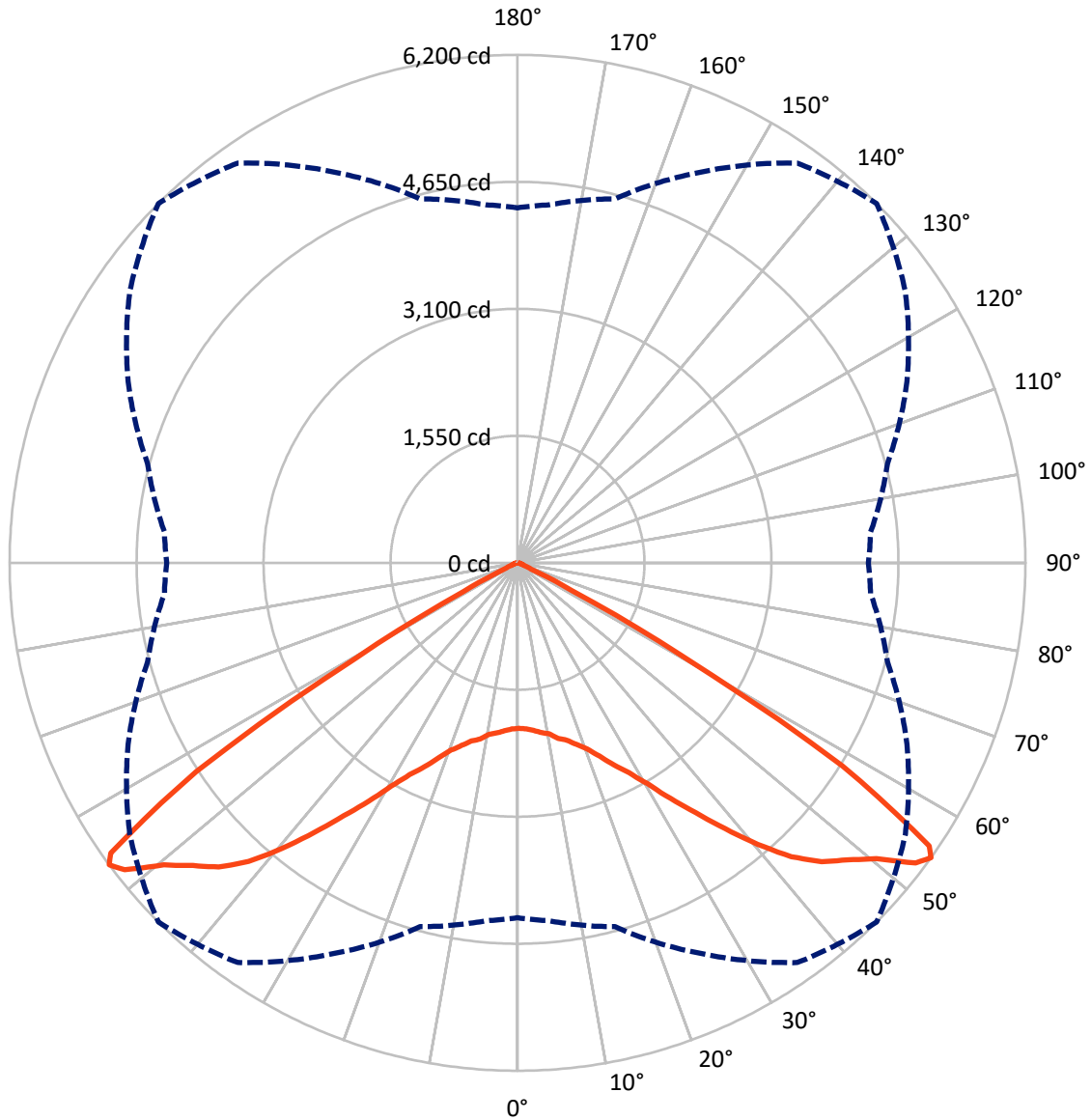
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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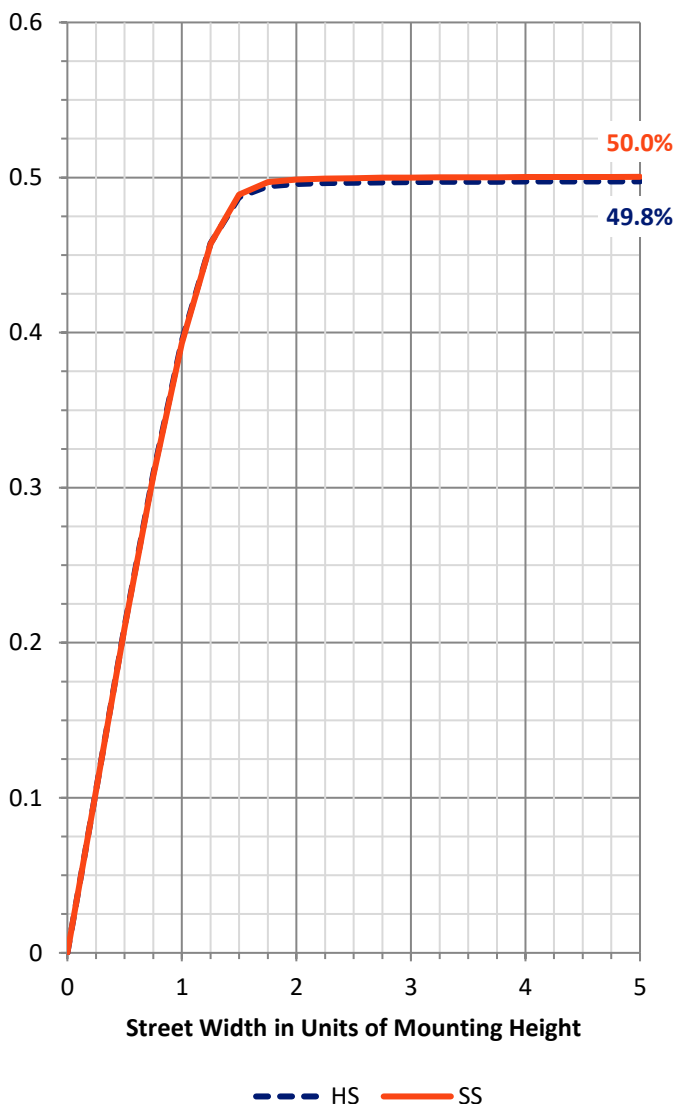
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6159.5	0.0	6159.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6159.5	0.0	6159.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12318.9	0.0	12318.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	1.6
10°-20°	640.2	5.2
20°-30°	1254.8	10.2
30°-40°	2256.4	18.3
40°-50°	3862.6	31.4
50°-60°	3737.4	30.3
60°-70°	319.9	2.6
70°-80°	37.9	0.3
80°-90°	11.9	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°	12318.9	100.0
0°-180°	12318.9	100.0

Coefficient of Utilization

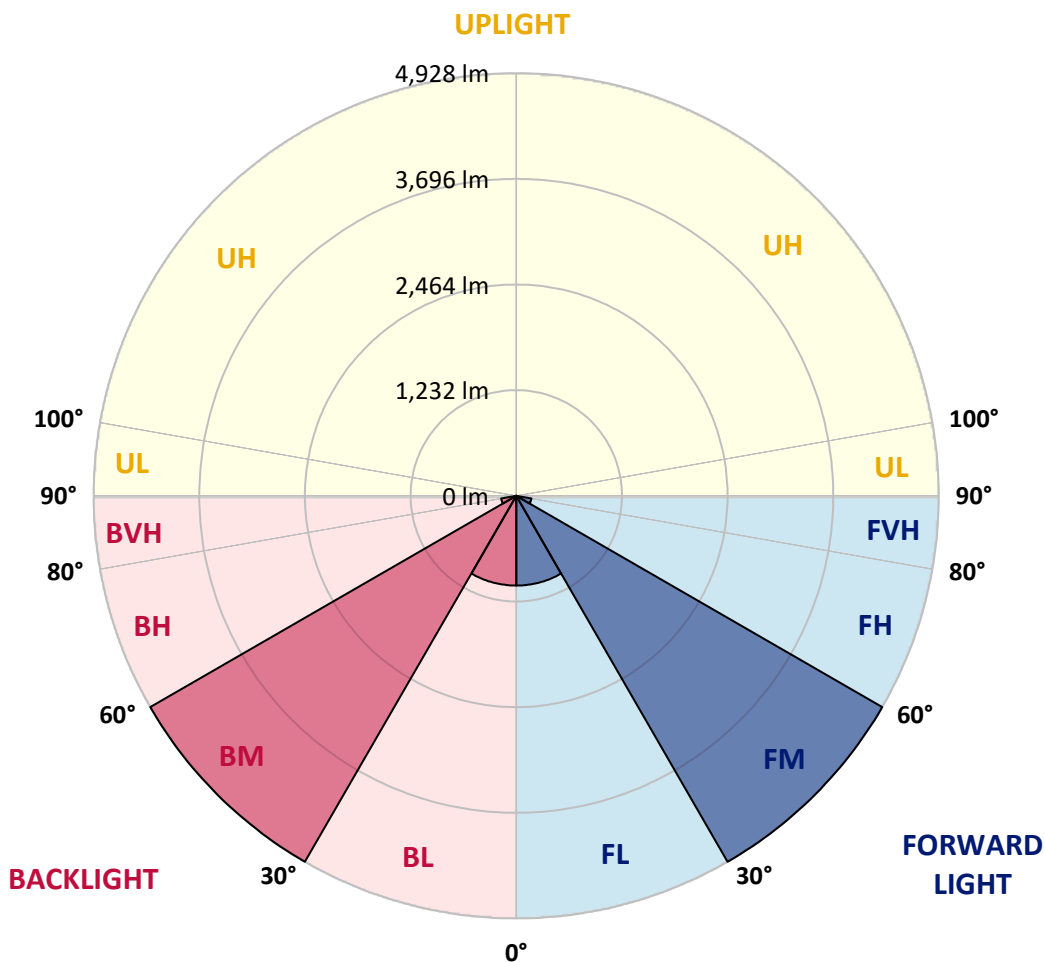


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.4	8.5			
FM (30°-60°)	4928.2	40.0			
FH (60°-80°)	178.9	1.5			G0/660
FVH (80°-90°)	6.0	0.0			G0/10
BL (0°-30°)	1046.4	8.5	B3/2500		
BM (30°-60°)	4928.2	40.0	B3/5000		
BH (60°-80°)	178.9	1.5	B1/500		G0/660
BVH (80°-90°)	6.0	0.0			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°	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9	2019.9
2.5°	2029.7	2041.4	2033.6	2039.4	2039.4	2029.7	2035.6	2012.2	2027.7	2016.0	2017.9
5°	2060.9	2059.0	2059.0	2060.9	2053.1	2057.0	2049.2	2041.4	2035.6	2027.7	2051.1
7.5°	2099.9	2099.9	2086.3	2090.2	2086.3	2092.1	2076.5	2060.9	2055.1	2049.2	2045.3
10°	2137.0	2133.1	2127.3	2144.8	2131.2	2123.3	2115.6	2105.8	2084.3	2076.5	2068.7
12.5°	2191.7	2189.7	2181.9	2199.4	2191.7	2199.4	2170.2	2144.8	2141.0	2115.6	2129.2
15°	2256.1	2273.6	2260.0	2260.0	2256.1	2246.3	2234.6	2222.9	2187.8	2178.0	2180.0
17.5°	2340.0	2334.1	2336.1	2336.1	2355.6	2330.2	2306.8	2277.5	2260.0	2254.1	2234.6
20°	2420.0	2427.8	2425.9	2439.5	2451.3	2423.9	2398.6	2394.6	2345.9	2353.6	2326.3
22.5°	2560.5	2554.7	2564.4	2574.2	2566.4	2562.4	2539.0	2509.7	2466.8	2447.3	2443.4
25°	2708.9	2699.1	2681.5	2705.0	2716.6	2734.2	2689.3	2673.7	2607.4	2578.1	2580.1
27.5°	2835.7	2849.3	2868.9	2878.6	2907.9	2902.0	2870.8	2820.1	2769.3	2736.2	2714.7
30°	3009.4	3017.2	3050.4	3064.0	3114.8	3128.5	3079.6	3021.1	2931.3	2888.4	2863.0
32.5°	3169.4	3224.1	3222.1	3290.4	3372.4	3429.0	3341.1	3251.4	3161.6	3110.9	3066.0
35°	3429.0	3419.2	3475.8	3548.0	3680.7	3745.2	3649.5	3546.1	3409.5	3327.5	3292.4
37.5°	3671.0	3674.9	3751.0	3866.1	4018.4	4117.9	4034.0	3864.2	3723.7	3618.3	3569.5
40°	4022.3	4030.1	4108.2	4238.9	4410.6	4518.0	4420.4	4248.6	4061.3	3979.4	3979.4
42.5°	4434.1	4467.2	4518.0	4631.2	4785.4	4904.4	4816.6	4681.9	4492.6	4387.2	4402.8
45°	4857.6	4873.2	4906.4	5074.2	5146.4	5205.0	5123.0	5060.5	4933.7	4804.9	4783.4
47.5°	5253.8	5259.6	5357.2	5409.9	5466.5	5417.7	5470.4	5388.4	5245.9	5121.1	5095.7
50°	5429.4	5419.6	5558.2	5718.2	5761.2	5675.3	5630.4	5575.7	5359.2	5208.8	5142.5
52.5°	4918.1	4974.6	5232.3	5677.2	6012.9	6085.2	5823.6	5571.8	5167.9	4875.1	4830.2
54°	4332.6	4385.3	4598.0	5257.7	5956.4	6200.3	5778.7	5244.0	4674.1	4326.7	4281.8
55°	3752.9	3694.4	4080.8	4754.1	5690.9	6098.8	5601.1	4820.5	4168.6	3850.6	3788.1
57.5°	2031.7	2041.4	2367.3	3003.5	3998.9	4676.1	4129.6	3261.1	2462.9	2105.8	2074.6
60°	644.0	659.7	802.1	1213.9	1910.6	2281.4	1955.5	1309.6	905.5	726.0	696.7
62.5°	201.0	208.8	228.3	339.6	523.0	747.5	585.4	351.3	261.5	240.1	244.0
65°	122.9	122.9	124.9	132.7	156.1	181.5	175.6	154.2	148.3	144.4	142.5
67.5°	80.0	78.1	82.0	87.9	91.7	93.6	99.5	105.4	103.4	99.5	99.5
70°	48.8	46.8	50.7	58.6	60.5	64.4	70.2	78.1	76.1	72.2	74.2
72.5°	27.3	27.3	29.3	35.2	41.0	44.9	50.7	56.6	58.6	56.6	56.6
75°	9.8	11.7	15.6	21.5	25.4	31.2	37.1	42.9	48.8	44.9	42.9
77.5°	3.9	3.9	7.8	13.6	19.5	25.4	35.2	41.0	44.9	41.0	37.1
80°	2.0	2.0	5.9	11.7	17.5	23.4	29.3	35.2	37.1	33.2	29.3
82.5°	2.0	2.0	5.9	11.7	17.5	21.5	31.2	35.2	39.0	35.2	29.3
85°	0.0	2.0	5.9	11.7	15.6	17.5	17.5	11.7	9.8	5.9	5.9
87.5°	0.0	0.0	2.0	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)