

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: P530899

Luminaire Tested: **GALN-SA6A-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12933 lumens
Efficiency: N/A
Efficacy: 71.1 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): 182
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



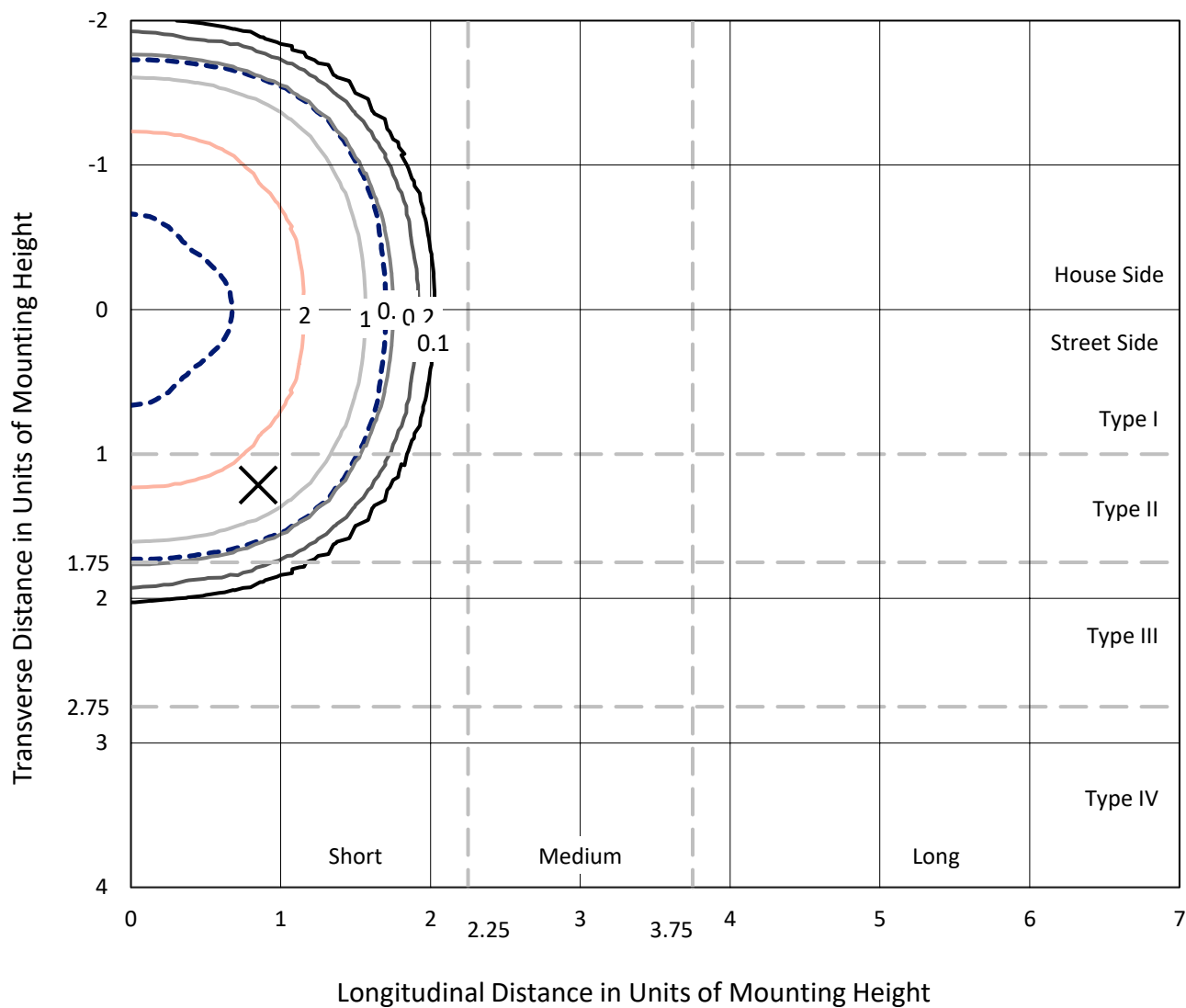
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

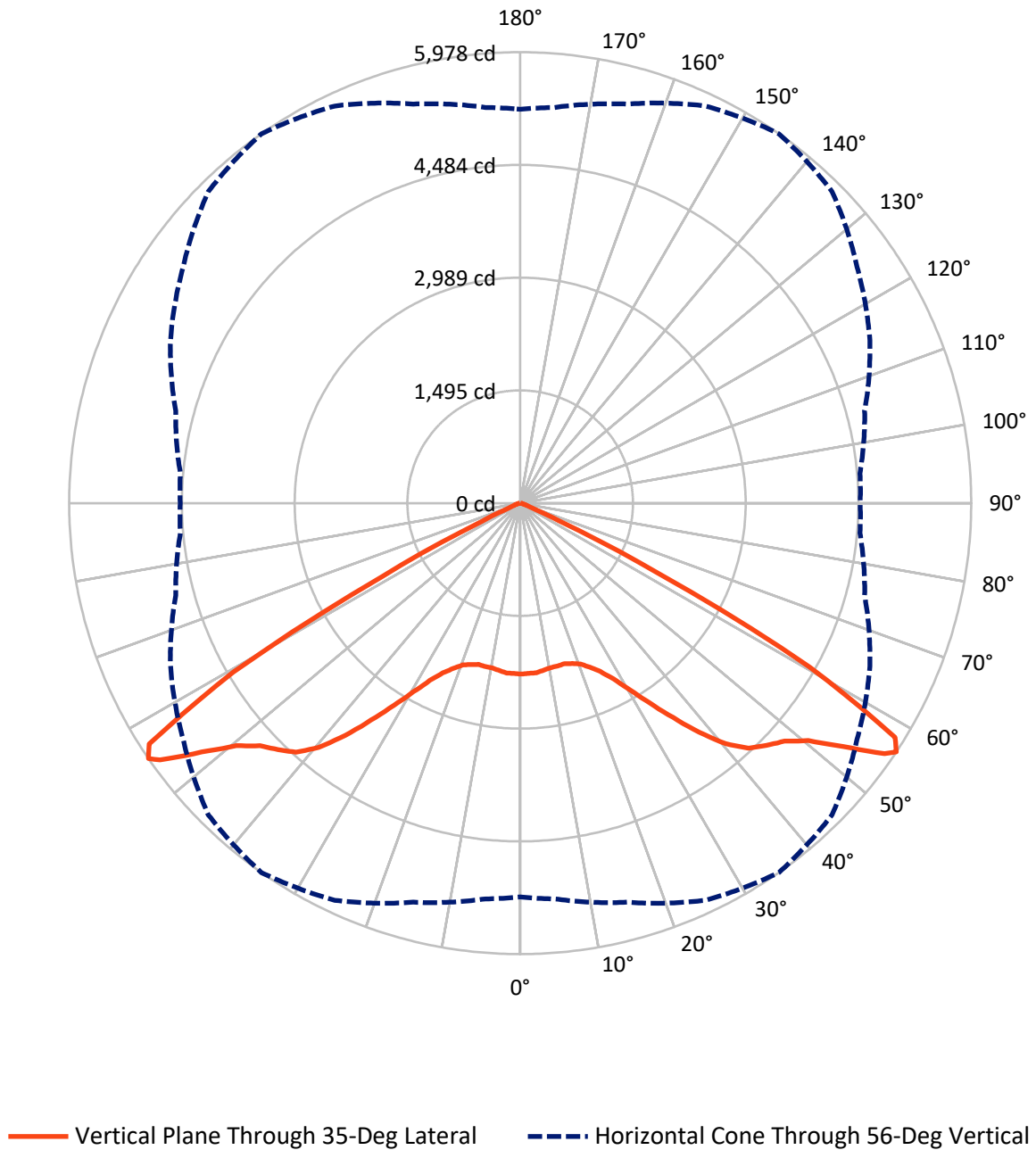
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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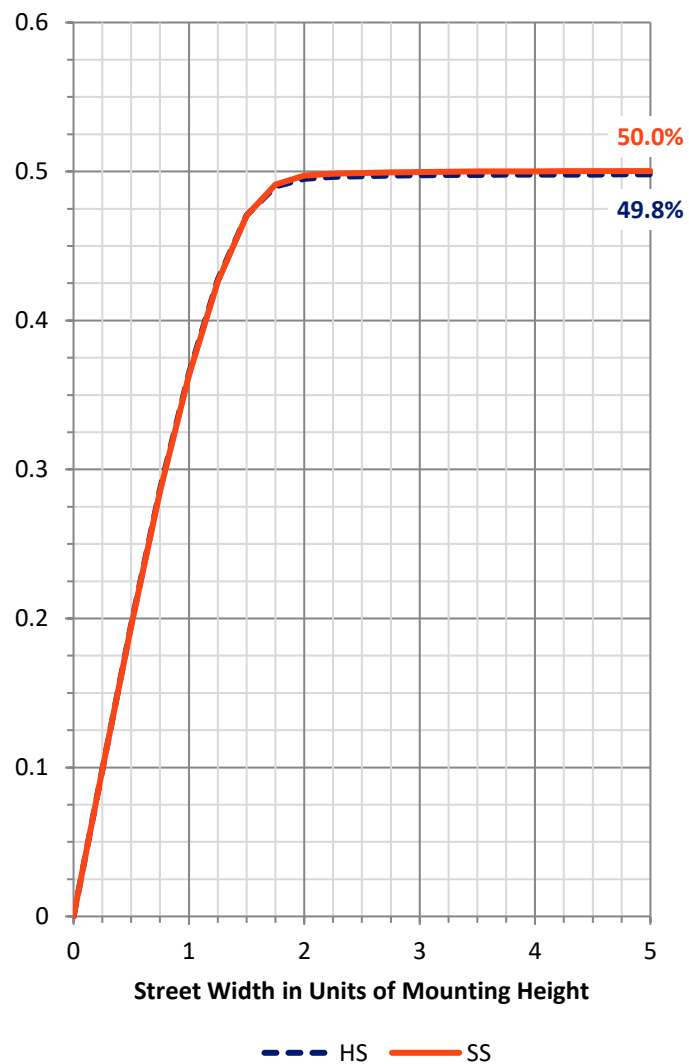
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6466.5	0.0	6466.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6466.5	0.0	6466.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12933.0	0.0	12933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	1.6
10°-20°	621.8	4.8
20°-30°	1126.0	8.7
30°-40°	2088.0	16.1
40°-50°	3427.3	26.5
50°-60°	4415.4	34.1
60°-70°	973.1	7.5
70°-80°	56.5	0.4
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°	12933.0	100.0
0°-180°	12933.0	100.0

Coefficient of Utilization



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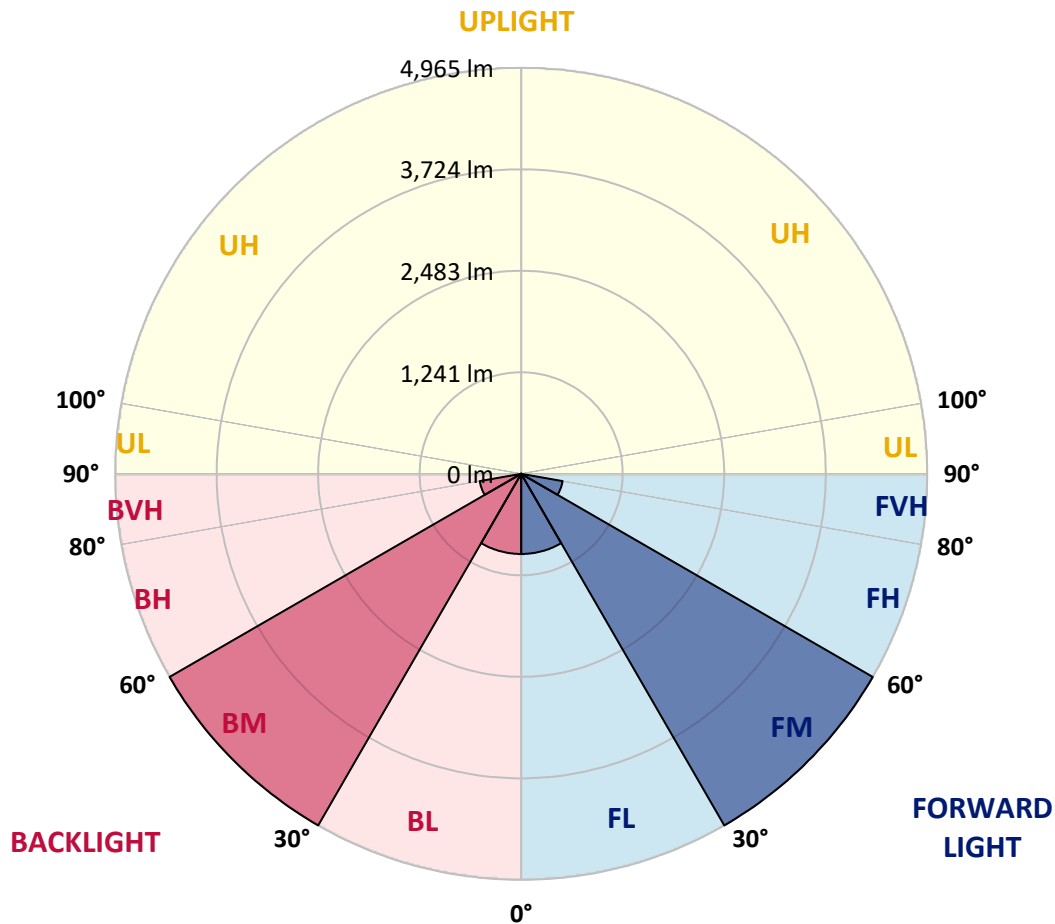
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	980.4	7.6			
FM	(30°-60°)	4965.4	38.4			
FH	(60°-80°)	514.8	4.0			G0/660
FVH	(80°-90°)	5.9	0.0			G0/10
BL	(0°-30°)	980.4	7.6	B2/1000		
BM	(30°-60°)	4965.4	38.4	B3/5000		
BH	(60°-80°)	514.8	4.0	B2/1000		G0/660
BVH	(80°-90°)	5.9	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°	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1
2.5°	2270.8	2270.8	2273.2	2275.5	2259.1	2252.1	2254.4	2249.7	2247.4	2254.4	2254.4
5°	2263.8	2263.8	2256.8	2259.1	2259.1	2238.0	2238.0	2242.7	2242.7	2228.6	2224.0
7.5°	2245.0	2240.4	2231.0	2242.7	2235.7	2235.7	2219.3	2207.6	2202.9	2212.2	2202.9
10°	2205.2	2207.6	2216.9	2221.6	2216.9	2231.0	2202.9	2186.5	2170.1	2163.0	2163.0
12.5°	2186.5	2200.5	2186.5	2198.2	2214.6	2202.9	2186.5	2174.7	2151.3	2141.9	2141.9
15°	2184.1	2193.5	2198.2	2214.6	2207.6	2212.2	2179.4	2165.4	2130.2	2113.8	2106.8
17.5°	2181.8	2193.5	2200.5	2231.0	2235.7	2238.0	2212.2	2170.1	2139.6	2123.2	2106.8
20°	2207.6	2212.2	2226.3	2256.8	2275.5	2308.3	2261.5	2216.9	2151.3	2132.6	2125.5
22.5°	2240.4	2263.8	2277.9	2310.7	2359.9	2388.0	2327.1	2270.8	2202.9	2179.4	2151.3
25°	2345.8	2341.1	2364.6	2432.5	2472.4	2493.5	2444.2	2362.2	2273.2	2245.0	2249.7
27.5°	2477.1	2481.7	2502.8	2577.8	2636.4	2669.2	2610.6	2502.8	2416.1	2369.3	2364.6
30°	2648.1	2643.4	2666.9	2767.6	2873.1	2922.3	2819.2	2692.7	2608.3	2547.4	2561.4
32.5°	2828.6	2830.9	2896.5	2987.9	3159.0	3255.1	3088.7	2934.0	2807.5	2765.3	2744.2
35°	3095.7	3107.4	3159.0	3299.6	3489.4	3613.6	3430.8	3245.7	3100.4	3023.1	3032.5
37.5°	3426.2	3414.4	3501.2	3653.5	3852.7	3944.1	3789.4	3578.5	3430.8	3379.3	3412.1
40°	3777.7	3789.4	3833.9	3972.2	4194.8	4255.7	4026.1	3911.3	3782.4	3756.6	3796.4
42.5°	4129.2	4122.2	4155.0	4279.2	4440.9	4398.7	4262.8	4194.8	4103.4	4051.9	4105.8
45°	4387.0	4375.3	4436.2	4520.6	4579.1	4499.5	4438.5	4415.1	4368.2	4312.0	4361.2
47.5°	4637.7	4628.4	4686.9	4710.4	4715.1	4609.6	4621.3	4663.5	4546.3	4429.2	4485.4
50°	4851.0	4834.6	4907.2	4958.8	4947.1	4778.3	4820.5	4778.3	4595.6	4457.3	4436.2
52.5°	5207.2	5214.2	5291.6	5385.3	5357.2	5216.6	5155.6	4963.5	4729.1	4604.9	4532.3
55°	5432.2	5397.0	5530.6	5828.2	5861.0	5715.7	5446.2	5162.7	4811.2	4658.8	4640.1
56°	5221.3	5265.8	5476.7	5809.5	5978.2	5844.6	5453.3	5113.5	4726.8	4520.6	4506.5
57.5°	4684.6	4661.2	4947.1	5401.7	5861.0	5804.8	5261.1	4761.9	4312.0	4080.0	4051.9
60°	2915.3	2983.2	3234.0	3796.4	4410.4	4438.5	3899.5	3470.7	2945.7	2739.5	2788.7
62.5°	1141.3	1082.7	1239.7	1659.2	2081.0	2174.7	1970.9	1638.1	1345.2	1141.3	1127.2
65°	264.8	257.8	290.6	400.7	560.1	649.1	616.3	442.9	325.7	309.3	285.9
67.5°	150.0	150.0	143.0	143.0	157.0	166.4	159.4	157.0	164.0	171.1	168.7
70°	105.5	103.1	98.4	100.8	96.1	96.1	103.1	114.8	124.2	124.2	126.5
72.5°	63.3	63.3	63.3	70.3	70.3	70.3	77.3	86.7	89.1	86.7	84.4
75°	28.1	28.1	32.8	39.8	44.5	46.9	53.9	58.6	63.3	58.6	53.9
77.5°	7.0	7.0	11.7	16.4	21.1	25.8	35.2	42.2	44.5	42.2	35.2
80°	2.3	2.3	4.7	11.7	21.1	25.8	35.2	37.5	39.8	35.2	28.1
82.5°	2.3	2.3	4.7	11.7	16.4	21.1	28.1	32.8	35.2	30.5	28.1
85°	0.0	2.3	4.7	9.4	14.1	18.7	18.7	14.1	11.7	7.0	9.4
87.5°	0.0	0.0	2.3	2.3	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)