

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: P383272

Luminaire Tested: **GLEON-SA6A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27349.3 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

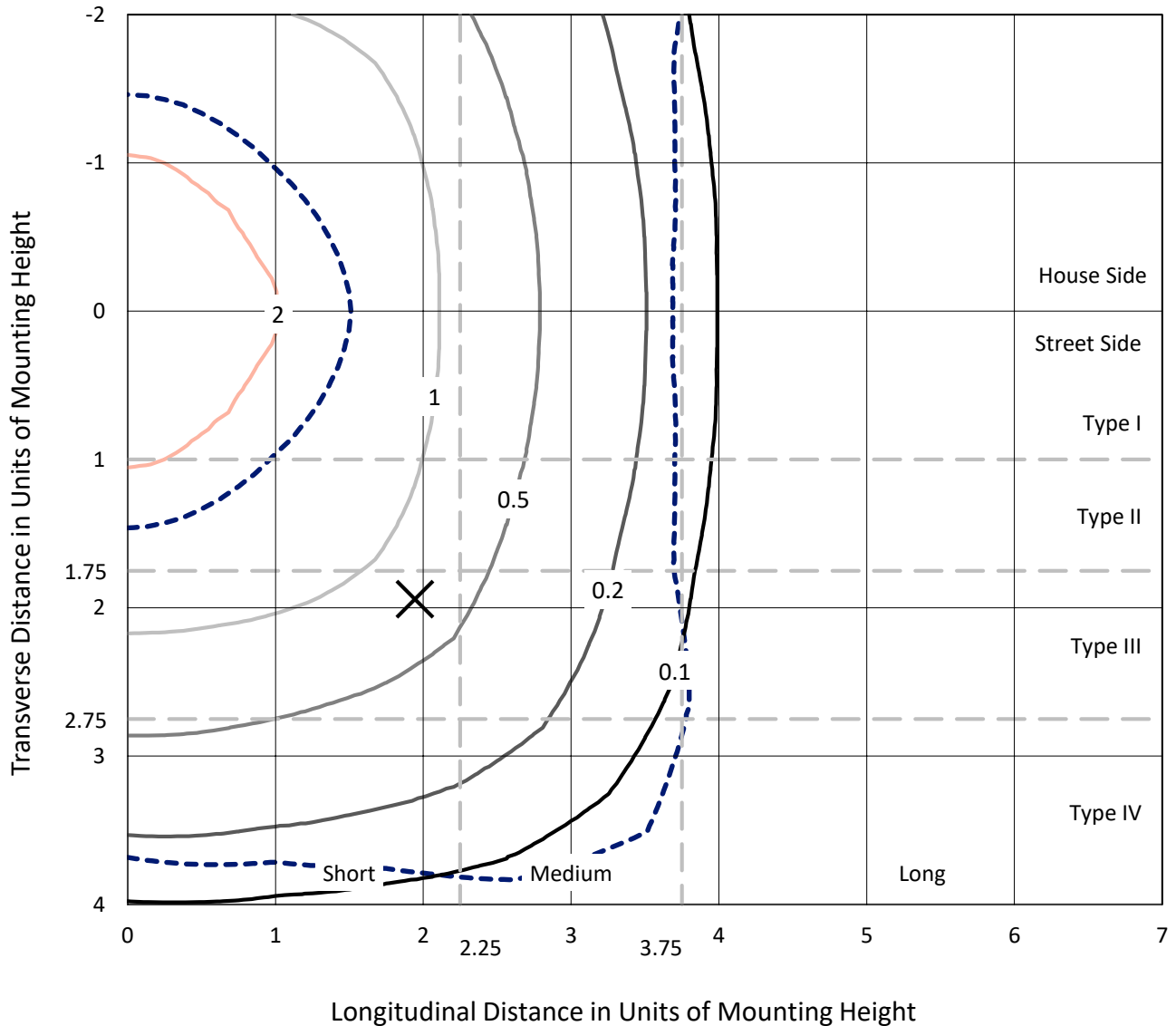
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

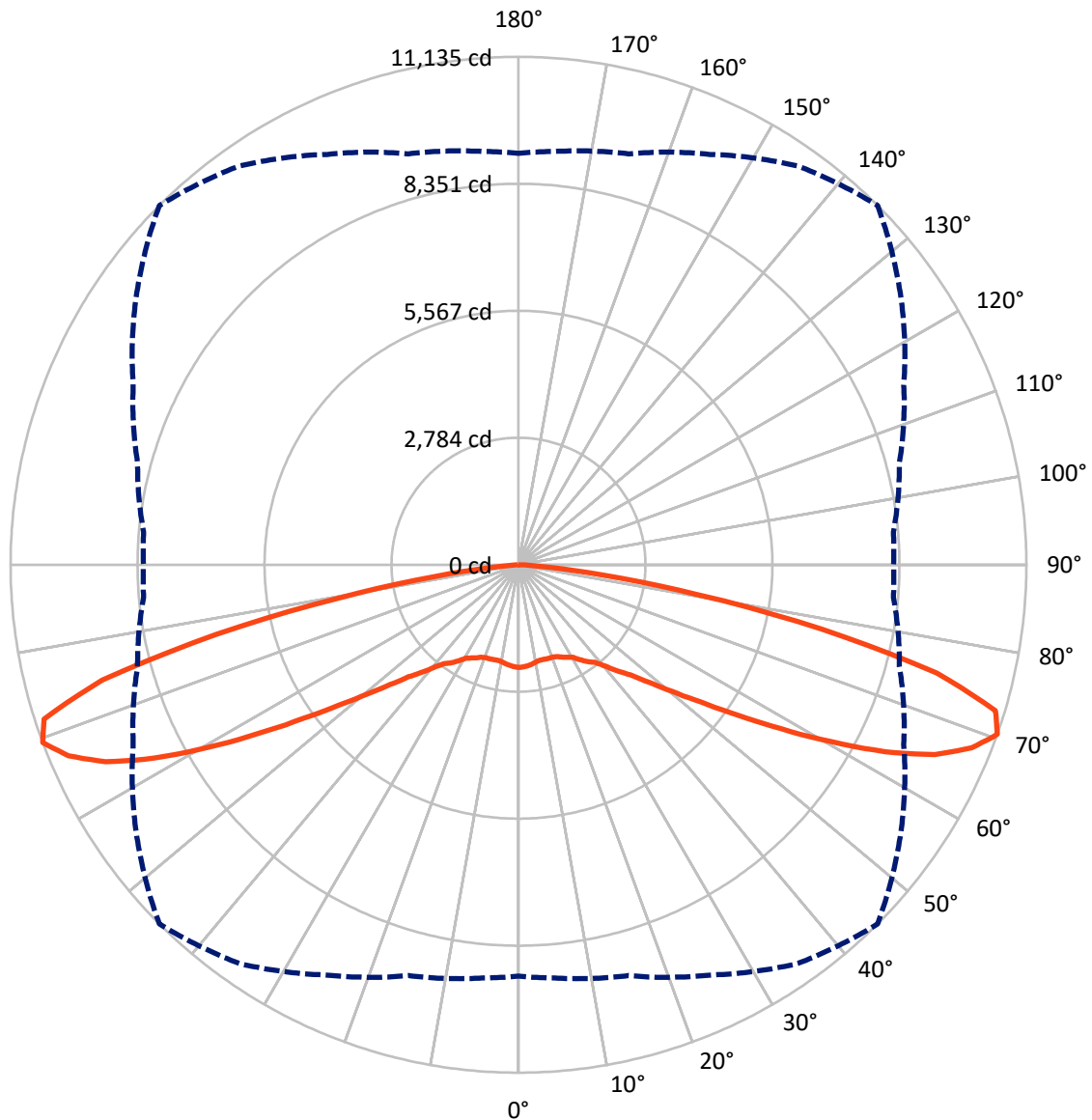
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13674.6	0.0	13674.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13674.6	0.0	13674.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27349.3	0.0	27349.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	0.8
10°-20°	613.6	2.2
20°-30°	1046.3	3.8
30°-40°	1634.8	6.0
40°-50°	2770.6	10.1
50°-60°	5052.4	18.5
60°-70°	8698.1	31.8
70°-80°	6817.9	24.9
80°-90°	505.5	1.8
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°	27349.3	100.0
0°-180°	27349.3	100.0

Coefficient of Utilization



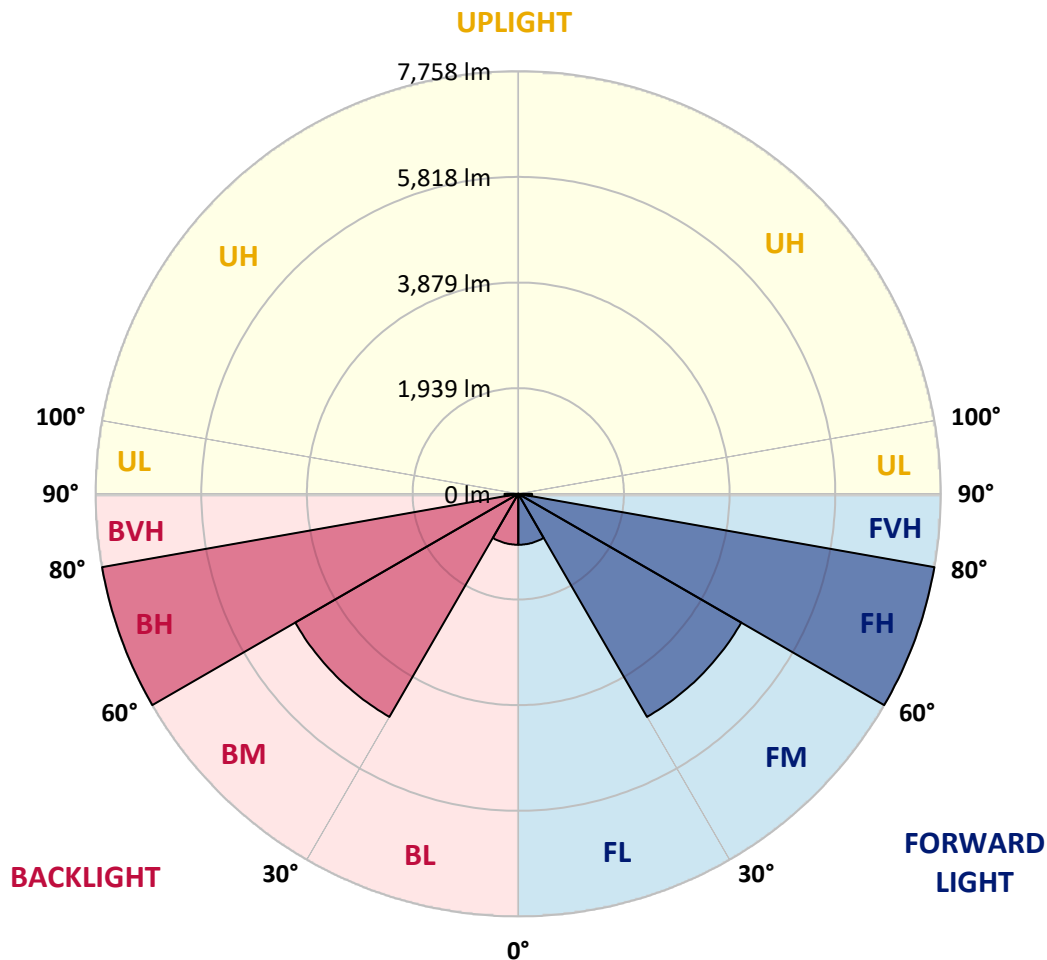
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.0	3.4			
FM (30°-60°)	4728.9	17.3			
FH (60°-80°)	7758.0	28.4			G4/12000
FVH (80°-90°)	252.8	0.9			G3/500
BL (0°-30°)	935.0	3.4	B2/1000		
BM (30°-60°)	4728.9	17.3	B3/5000		
BH (60°-80°)	7758.0	28.4	B5		G4/12000
BVH (80°-90°)	252.8	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8	2250.8
2.5°	2240.9	2243.6	2240.9	2242.7	2238.2	2240.0	2240.0	2240.0	2239.1	2240.0	2238.2
5°	2221.0	2222.8	2219.2	2221.0	2218.3	2221.0	2221.9	2221.0	2219.2	2220.1	2216.4
7.5°	2191.2	2193.0	2190.3	2193.0	2189.3	2193.9	2193.0	2190.3	2187.6	2187.6	2183.9
10°	2174.9	2175.7	2168.5	2165.8	2157.7	2159.5	2162.2	2164.9	2167.6	2173.0	2172.2
12.5°	2175.7	2175.7	2164.9	2153.2	2141.3	2144.1	2148.6	2158.6	2169.4	2179.4	2180.3
15°	2184.9	2183.9	2167.6	2148.6	2140.5	2148.6	2151.3	2157.7	2174.9	2192.0	2193.0
17.5°	2191.2	2191.2	2165.8	2144.1	2143.2	2155.9	2154.9	2157.7	2176.7	2202.0	2202.9
20°	2202.9	2202.9	2170.3	2146.8	2146.8	2160.4	2161.3	2165.8	2184.9	2212.9	2217.4
22.5°	2229.1	2230.0	2195.7	2176.7	2178.5	2186.6	2189.3	2196.6	2213.7	2244.6	2250.0
25°	2266.3	2268.0	2232.7	2221.9	2228.3	2243.6	2241.8	2247.3	2266.3	2296.1	2301.5
27.5°	2317.8	2313.3	2280.7	2276.1	2282.5	2293.4	2292.4	2293.4	2308.7	2335.9	2342.2
30°	2384.8	2382.9	2359.4	2362.1	2359.4	2355.8	2356.7	2363.9	2372.1	2393.8	2400.1
32.5°	2449.9	2451.6	2437.2	2450.8	2470.7	2484.3	2463.5	2443.5	2434.5	2446.2	2451.6
35°	2567.5	2572.0	2549.4	2540.3	2567.5	2607.3	2548.5	2515.9	2534.0	2549.4	2553.9
37.5°	2767.4	2770.1	2732.1	2696.0	2676.1	2714.1	2655.3	2658.0	2721.3	2750.2	2749.4
40°	2995.4	2996.3	2971.0	2939.3	2904.9	2914.0	2890.5	2897.7	2939.3	2965.6	2972.8
42.5°	3266.8	3264.1	3224.3	3179.1	3169.1	3178.2	3138.4	3132.9	3180.9	3227.9	3228.8
45°	3618.7	3612.4	3560.8	3511.1	3463.1	3443.2	3433.3	3459.5	3525.5	3568.9	3569.9
47.5°	3997.8	3980.6	3953.5	3913.6	3872.1	3852.1	3835.8	3848.5	3896.5	3913.6	3915.5
50°	4387.7	4391.3	4396.7	4381.3	4366.0	4359.6	4317.2	4292.8	4307.2	4275.5	4271.1
52.5°	4850.0	4857.3	4909.7	4954.1	4980.2	4993.8	4913.4	4829.2	4782.2	4720.6	4702.5
55°	5395.5	5407.3	5484.2	5607.3	5733.9	5800.8	5655.1	5497.7	5352.1	5237.3	5200.1
57.5°	6003.5	6024.3	6130.1	6366.3	6625.9	6784.2	6538.2	6252.3	5970.9	5805.3	5776.4
60°	6716.4	6736.3	6882.8	7221.2	7641.9	7879.8	7507.1	7039.3	6689.3	6530.9	6477.5
62.5°	7565.0	7566.8	7746.8	8142.2	8697.6	9028.7	8523.9	7898.8	7537.8	7346.9	7295.3
65°	8477.8	8482.3	8668.7	9095.7	9670.1	10030.3	9460.2	8808.9	8367.4	8086.0	8046.2
67.5°	9122.8	9141.8	9338.1	9852.0	10389.4	10714.2	10124.3	9387.9	8877.6	8542.0	8508.6
70°	9019.7	9093.9	9324.6	9924.3	10671.6	11134.9	10231.9	9319.1	8646.1	8249.8	8221.7
72.5°	7866.2	8008.2	8315.8	9102.9	10298.0	10935.8	9644.9	8346.6	7584.8	7247.4	7196.8
75°	5356.6	5587.3	6051.4	7186.8	8798.0	9468.4	8119.6	6654.9	5938.3	5471.5	5437.2
77.5°	2388.4	2440.8	3028.8	4336.2	6071.4	6799.6	5899.4	4353.3	3267.7	2606.4	2467.1
80°	665.9	674.0	899.2	1614.8	3038.8	3995.0	3262.3	1696.3	953.5	672.2	633.3
82.5°	211.7	229.8	280.5	418.8	1021.3	1822.9	1048.5	452.4	322.0	256.9	231.6
85°	103.1	102.2	142.1	170.1	260.6	403.5	277.7	209.9	183.6	122.1	110.4
87.5°	43.4	44.3	66.0	59.7	76.0	65.1	89.5	94.1	98.7	54.3	47.0
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)