

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: P382963

Luminaire Tested: **GLEON-SA3B-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA3B-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16765.1 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

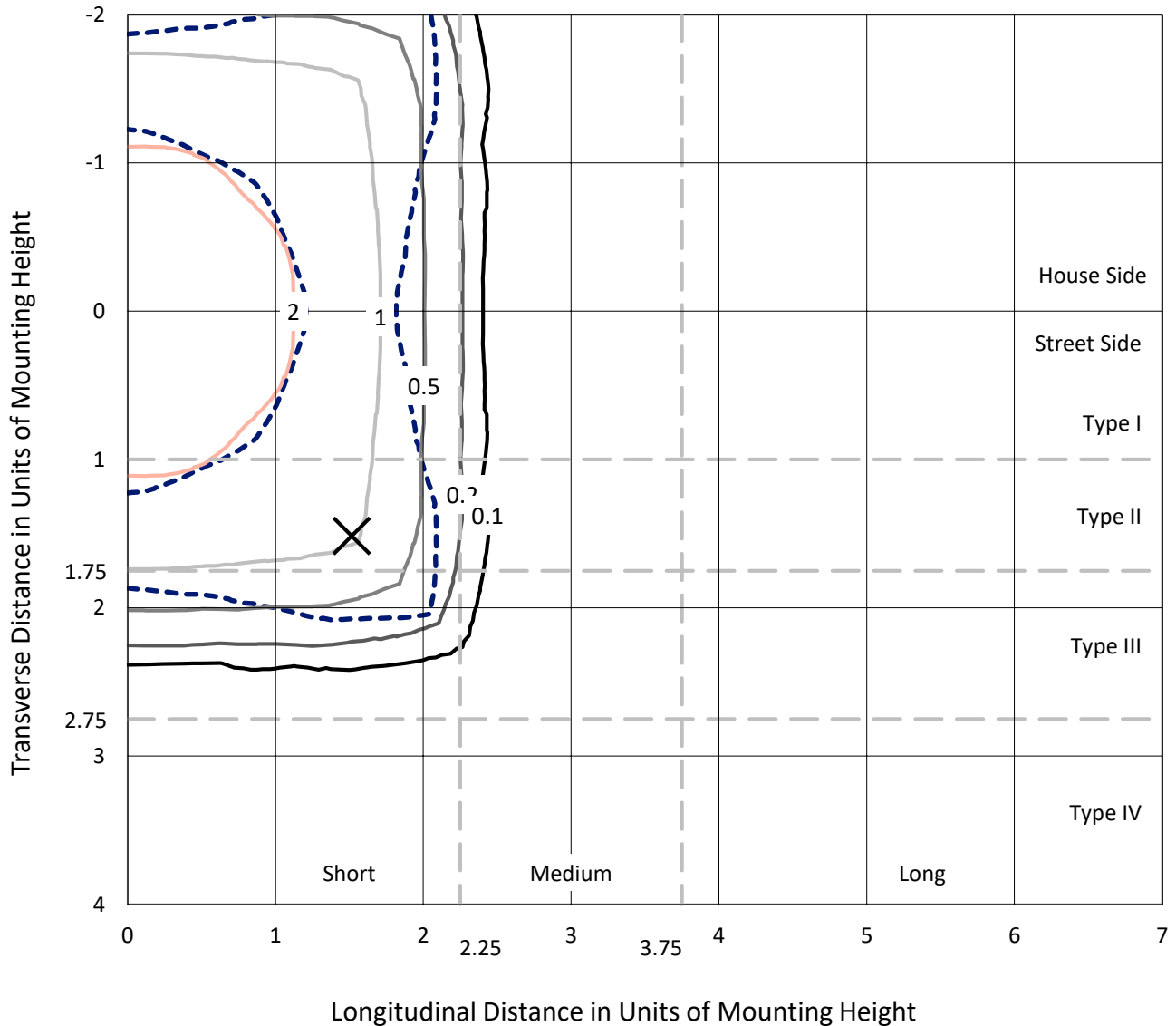
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

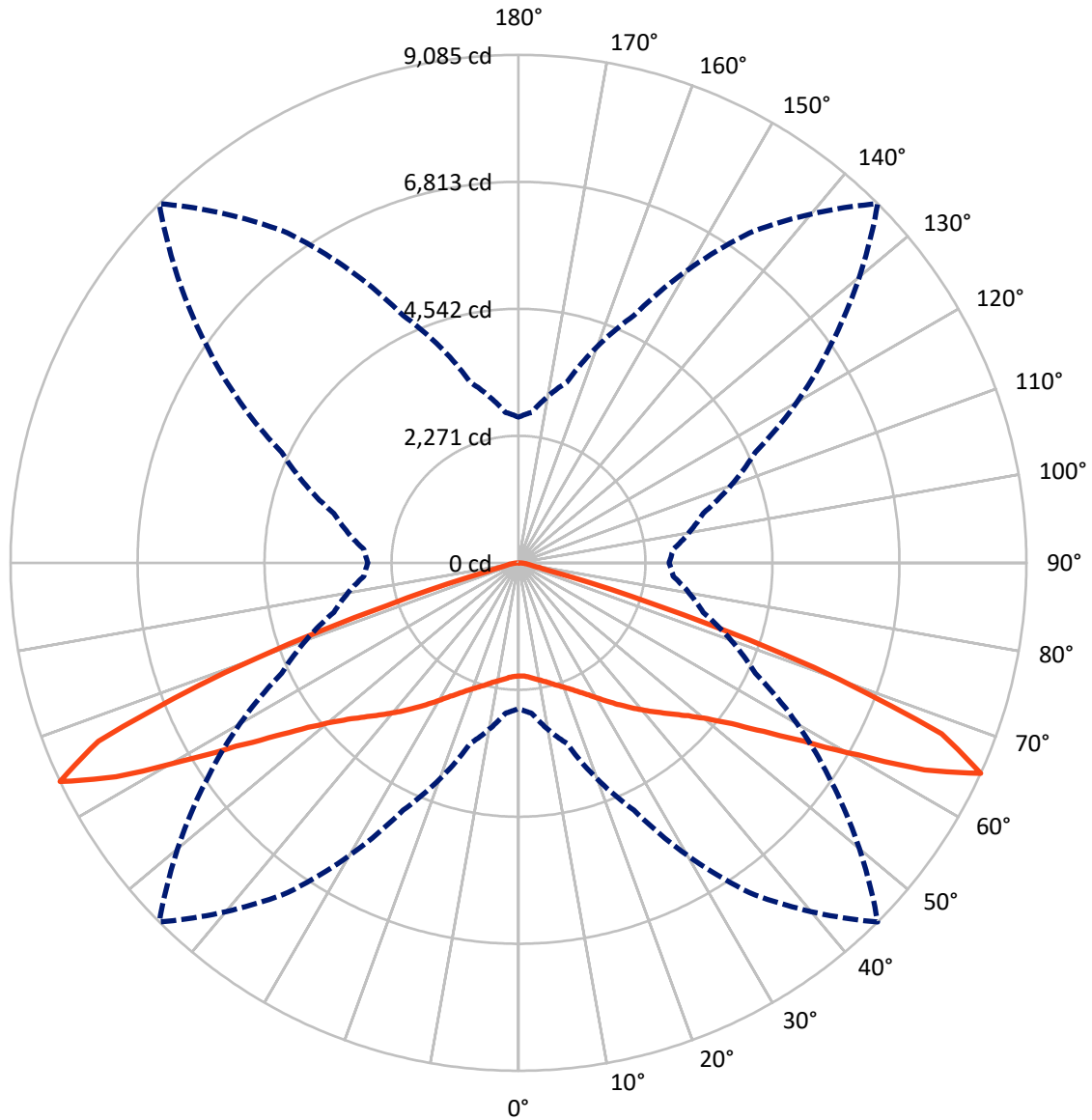
✕ Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8382.5	0.0	8382.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8382.5	0.0	8382.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16765.1	0.0	16765.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.6	1.2
10°-20°	638.5	3.8
20°-30°	1197.9	7.1
30°-40°	1981.1	11.8
40°-50°	3068.5	18.3
50°-60°	4706.2	28.1
60°-70°	4391.4	26.2
70°-80°	511.1	3.0
80°-90°	71.8	0.4
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°	16765.1	100.0
0°-180°	16765.1	100.0

**Coefficient of Utilization**



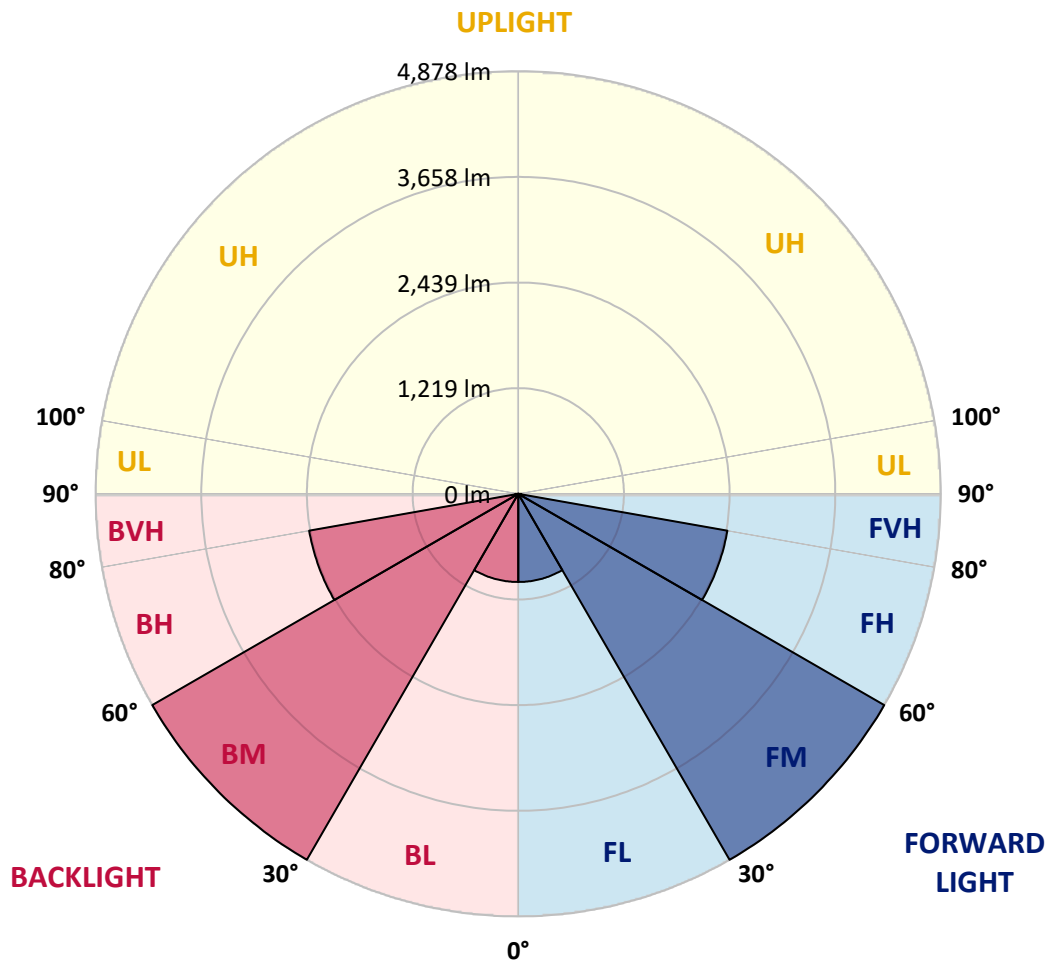
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.5	6.1			
FM (30°-60°)	4877.9	29.1			
FH (60°-80°)	2451.2	14.6			G2/5000
FVH (80°-90°)	35.9	0.2			G1/100
BL (0°-30°)	1017.5	6.1	B3/2500		
BM (30°-60°)	4877.9	29.1	B3/5000		
BH (60°-80°)	2451.2	14.6	B3/2500		G2/5000
BVH (80°-90°)	35.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6	2024.6
2.5°	2031.2	2030.1	2031.2	2031.8	2028.4	2030.1	2029.6	2032.4	2033.5	2032.4	2032.4
5°	2054.6	2052.9	2055.2	2058.0	2053.5	2054.6	2052.9	2056.3	2057.4	2055.2	2056.9
7.5°	2086.9	2087.5	2089.7	2094.7	2092.0	2094.1	2090.9	2091.4	2090.9	2087.5	2088.1
10°	2122.0	2122.5	2126.4	2133.2	2134.3	2134.3	2132.0	2130.4	2128.1	2125.9	2126.4
12.5°	2164.3	2167.1	2169.9	2178.1	2178.1	2182.6	2181.5	2177.1	2173.2	2169.9	2169.9
15°	2221.6	2221.1	2224.3	2232.7	2236.6	2243.8	2243.8	2237.8	2232.7	2229.4	2228.3
17.5°	2281.7	2283.4	2285.6	2295.6	2301.8	2310.1	2311.2	2306.2	2302.9	2298.4	2295.6
20°	2351.8	2354.6	2363.5	2367.4	2372.9	2380.8	2383.6	2382.4	2379.1	2376.8	2377.4
22.5°	2433.7	2440.8	2446.4	2452.0	2458.6	2464.2	2467.0	2470.9	2467.6	2465.9	2464.8
25°	2532.7	2537.7	2548.8	2558.9	2563.3	2564.9	2568.3	2573.9	2573.3	2569.4	2569.4
27.5°	2645.1	2654.5	2668.5	2683.0	2683.0	2677.4	2688.5	2697.9	2694.6	2689.7	2683.0
30°	2781.4	2790.4	2806.5	2826.5	2816.5	2812.6	2827.6	2844.9	2839.9	2831.5	2830.4
32.5°	2928.4	2936.7	2957.8	2979.6	2966.8	2961.2	2977.3	3002.4	2993.5	2976.8	2966.8
35°	3087.5	3095.9	3125.9	3152.1	3130.4	3121.0	3134.3	3161.6	3145.9	3114.8	3107.0
37.5°	3260.6	3265.1	3304.0	3330.7	3315.7	3290.7	3307.4	3327.4	3314.1	3276.2	3261.2
40°	3440.4	3456.5	3501.6	3532.7	3506.6	3467.0	3494.9	3522.7	3502.7	3454.3	3428.7
42.5°	3650.2	3662.4	3722.6	3750.3	3708.0	3652.4	3690.2	3728.1	3708.0	3661.3	3639.0
45°	3868.3	3887.3	3959.1	3986.8	3925.6	3854.9	3901.1	3967.4	3965.7	3898.3	3875.0
47.5°	4106.0	4124.9	4210.6	4247.3	4181.1	4086.5	4151.6	4245.1	4238.4	4164.4	4145.5
50°	4380.3	4400.4	4507.2	4553.4	4491.6	4381.4	4479.3	4561.7	4549.5	4458.2	4459.9
52.5°	4724.8	4723.7	4856.7	4936.8	4873.4	4776.0	4866.1	4946.3	4895.7	4769.3	4765.4
55°	5026.4	5044.8	5209.5	5361.4	5357.5	5320.3	5356.4	5359.8	5215.1	5047.0	5026.4
57.5°	5224.6	5259.6	5491.7	5766.6	5972.5	6022.0	5951.9	5739.4	5400.4	5131.6	5098.7
60°	5102.6	5156.1	5520.6	6081.0	6687.6	6978.7	6583.0	5923.5	5256.3	4881.8	4837.2
62.5°	4280.2	4370.3	4903.9	5929.1	7303.1	8154.0	7040.5	5628.0	4683.1	4167.2	4090.9
65°	2606.7	2701.9	3345.2	4880.1	7203.5	9084.5	6831.8	4671.3	3418.1	2776.5	2694.0
67.5°	868.8	896.5	1275.6	2697.4	5661.4	8162.4	5670.9	2796.5	1487.6	986.1	957.2
70°	340.0	342.8	404.6	781.9	2673.4	5606.3	2950.1	795.8	422.9	334.4	341.7
72.5°	249.8	251.0	268.3	326.7	696.8	2469.8	721.8	328.4	261.0	234.3	234.3
75°	200.9	200.9	213.1	238.2	312.2	566.6	316.6	235.4	204.2	187.0	184.7
77.5°	158.6	161.9	171.4	187.5	211.5	272.7	219.3	186.4	164.7	148.6	145.2
80°	118.0	121.3	136.9	144.7	151.9	189.2	161.9	145.8	130.2	111.3	108.0
82.5°	77.3	80.7	100.1	104.6	102.9	123.5	109.1	107.4	95.8	71.8	68.5
85°	50.7	51.8	66.8	69.6	64.0	56.2	69.6	73.5	66.8	46.8	45.1
87.5°	23.9	23.9	33.9	31.8	29.0	23.4	31.8	37.3	37.8	22.8	22.3
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)