

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: P382991

Luminaire Tested: **GLEON-SA3C-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382991  
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-SA3C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20750.2 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

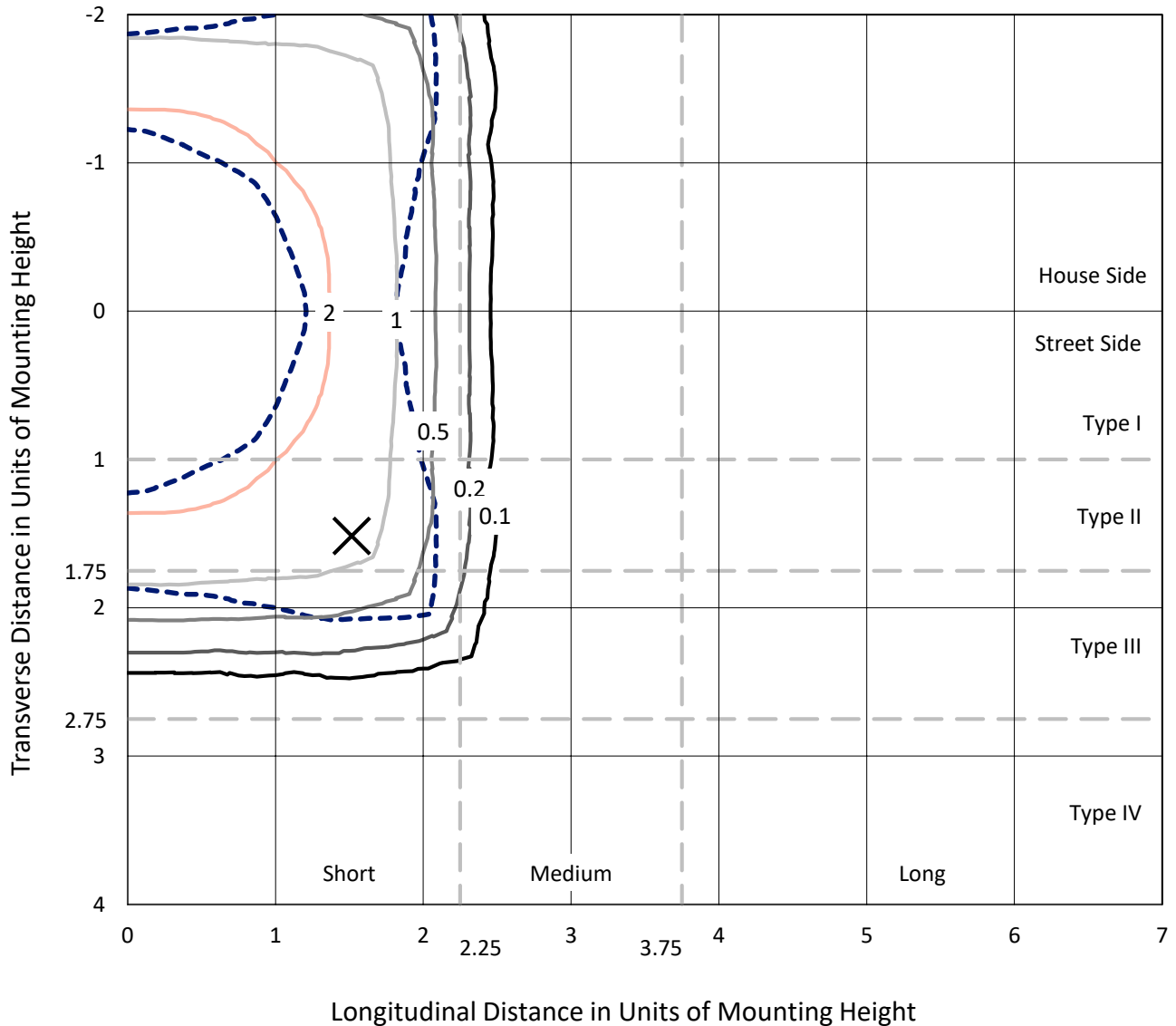
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

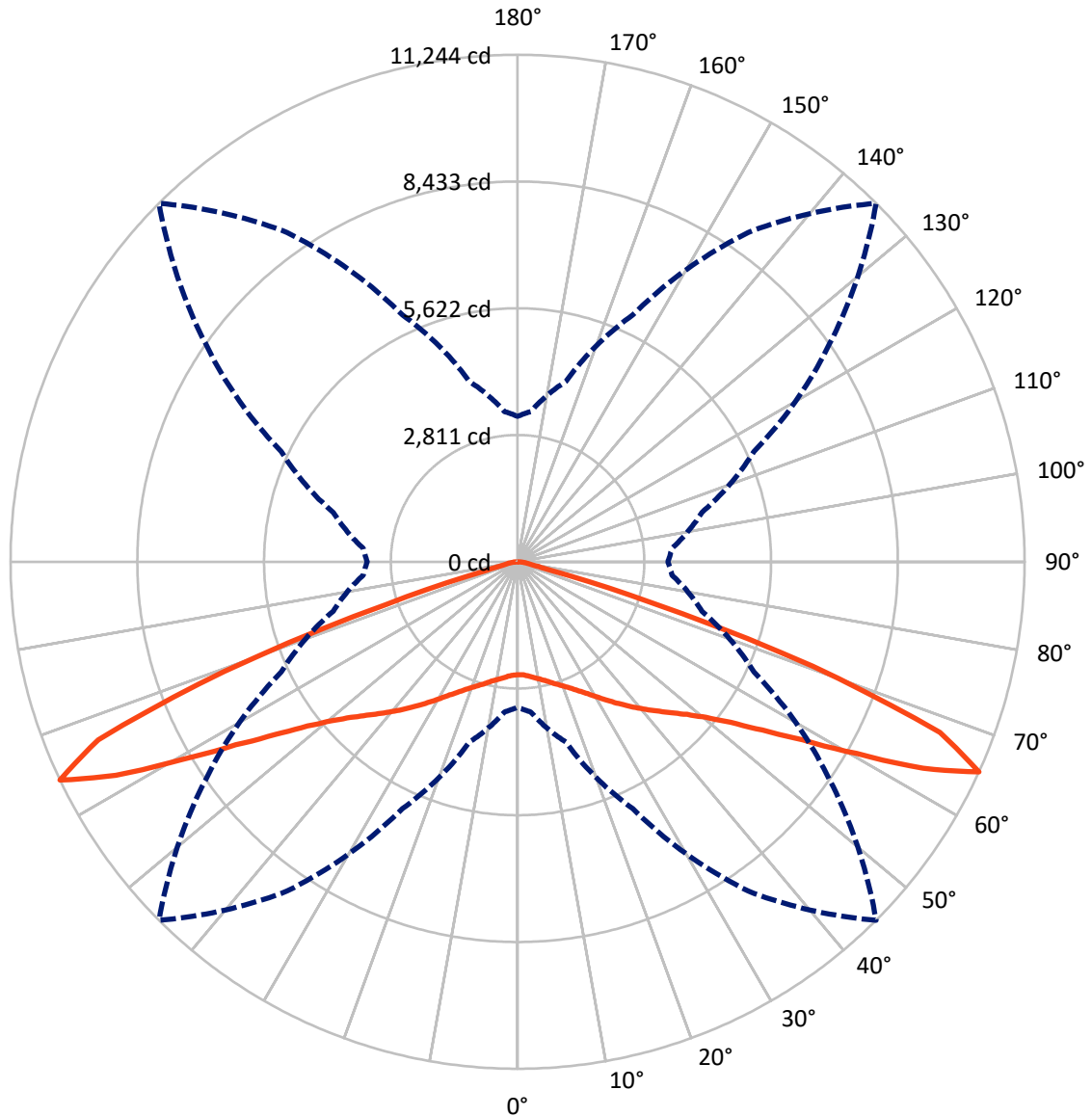
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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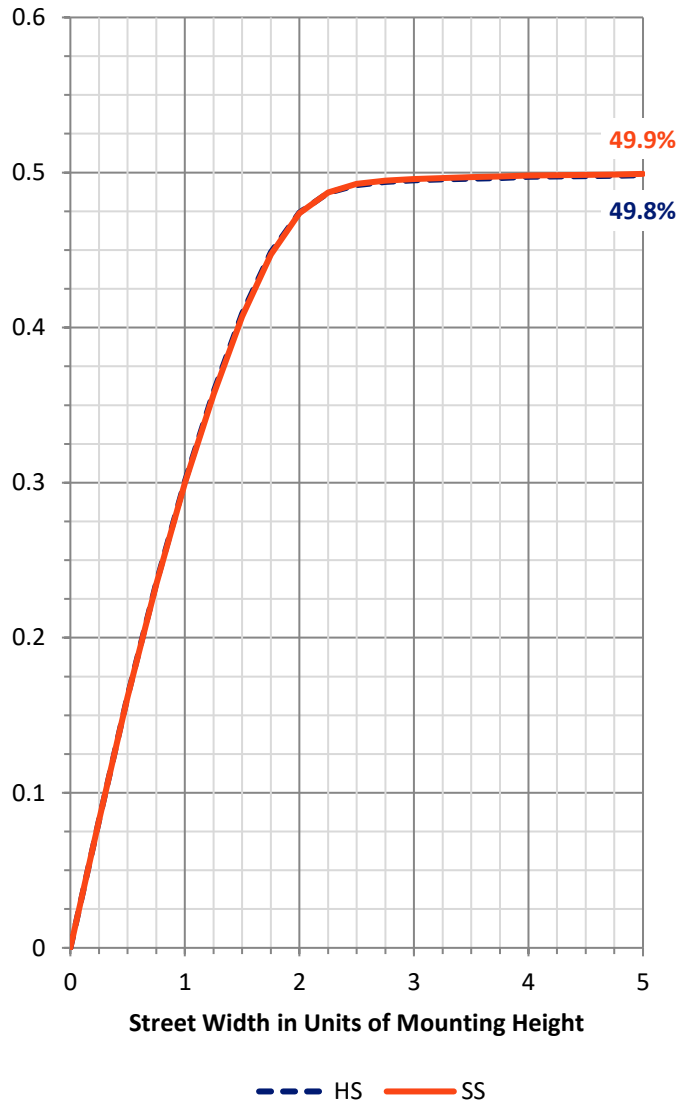
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10375.1	0.0	10375.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10375.1	0.0	10375.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20750.2	0.0	20750.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.8	1.2
10°-20°	790.3	3.8
20°-30°	1482.7	7.1
30°-40°	2452.0	11.8
40°-50°	3797.9	18.3
50°-60°	5824.8	28.1
60°-70°	5435.3	26.2
70°-80°	632.6	3.0
80°-90°	88.9	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°	20750.2	100.0
0°-180°	20750.2	100.0

**Coefficient of Utilization**

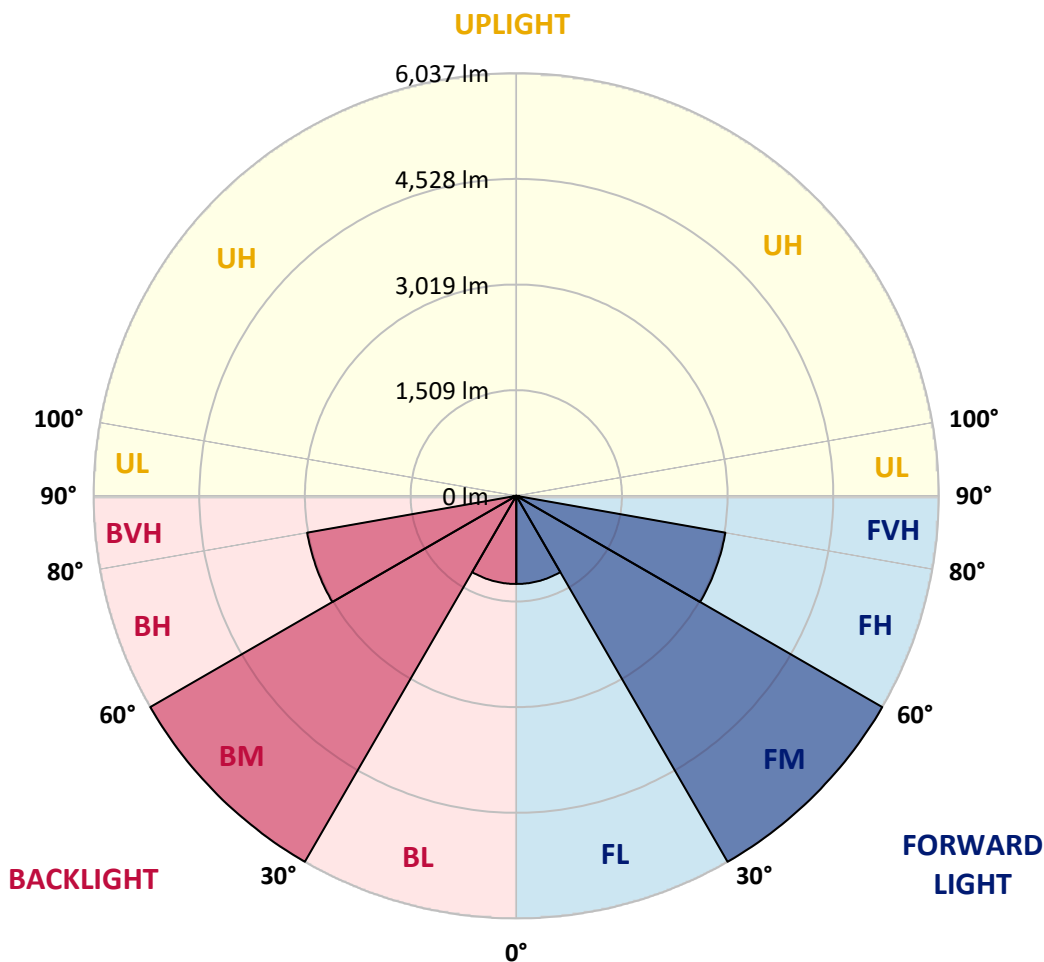


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1259.4	6.1			
FM (30°-60°)	6037.4	29.1			
FH (60°-80°)	3033.9	14.6			G2/5000
FVH (80°-90°)	44.4	0.2			G1/100
BL (0°-30°)	1259.4	6.1	B3/2500		
BM (30°-60°)	6037.4	29.1	B4/8500		
BH (60°-80°)	3033.9	14.6	B4/5000		G2/5000
BVH (80°-90°)	44.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9
2.5°	2514.2	2512.8	2514.2	2514.8	2510.7	2512.8	2512.0	2515.5	2516.9	2515.5	2515.5
5°	2543.0	2541.0	2543.8	2547.2	2541.6	2543.0	2541.0	2545.1	2546.5	2543.8	2545.8
7.5°	2583.0	2583.6	2586.4	2592.7	2589.2	2591.9	2587.8	2588.5	2587.8	2583.6	2584.4
10°	2626.4	2627.1	2631.9	2640.2	2641.6	2641.6	2638.8	2636.7	2634.0	2631.2	2631.9
12.5°	2678.8	2682.2	2685.7	2696.0	2696.0	2701.5	2700.1	2694.6	2689.8	2685.7	2685.7
15°	2749.6	2749.0	2753.1	2763.4	2768.3	2777.2	2777.2	2769.7	2763.4	2759.3	2757.9
17.5°	2824.1	2826.1	2828.9	2841.3	2848.9	2859.2	2860.6	2854.4	2850.3	2844.8	2841.3
20°	2910.9	2914.3	2925.3	2930.2	2937.1	2946.7	2950.1	2948.7	2944.6	2941.8	2942.6
22.5°	3012.2	3021.1	3028.0	3034.9	3043.1	3050.0	3053.4	3058.3	3054.2	3052.0	3050.7
25°	3134.8	3140.9	3154.7	3167.1	3172.6	3174.7	3178.8	3185.7	3185.1	3180.2	3180.2
27.5°	3273.8	3285.6	3302.8	3320.7	3320.7	3313.8	3327.6	3339.3	3335.1	3329.0	3320.7
30°	3442.6	3453.6	3473.6	3498.4	3486.0	3481.2	3499.8	3521.2	3514.9	3504.6	3503.3
32.5°	3624.5	3634.8	3661.0	3687.8	3672.0	3665.1	3685.1	3716.0	3705.0	3684.4	3672.0
35°	3821.5	3831.8	3869.0	3901.3	3874.5	3862.8	3879.3	3913.1	3893.8	3855.2	3845.5
37.5°	4035.7	4041.1	4089.4	4122.5	4103.8	4072.9	4093.5	4118.4	4101.8	4054.9	4036.4
40°	4258.2	4278.1	4333.9	4372.5	4340.1	4291.2	4325.6	4360.1	4335.3	4275.3	4243.7
42.5°	4517.8	4533.0	4607.3	4641.8	4589.5	4520.6	4567.5	4614.2	4589.5	4531.6	4504.0
45°	4787.9	4811.3	4900.1	4934.6	4858.8	4771.3	4828.5	4910.5	4908.4	4825.0	4796.1
47.5°	5082.0	5105.3	5211.4	5256.9	5174.9	5057.8	5138.4	5254.2	5245.9	5154.3	5130.9
50°	5421.5	5446.3	5578.6	5635.8	5559.3	5422.9	5544.1	5646.1	5630.9	5517.9	5520.1
52.5°	5847.9	5846.5	6011.2	6110.3	6031.8	5911.3	6022.8	6122.0	6059.3	5903.0	5898.2
55°	6221.2	6244.0	6447.9	6635.9	6631.0	6584.9	6629.7	6633.8	6454.7	6246.7	6221.2
57.5°	6466.4	6509.8	6797.0	7137.3	7392.2	7453.5	7366.7	7103.6	6684.1	6351.4	6310.8
60°	6315.6	6381.8	6832.9	7526.5	8277.3	8637.6	8147.8	7331.6	6505.7	6042.1	5987.1
62.5°	5297.5	5409.1	6069.7	7338.5	9039.1	10092.3	8714.0	6965.8	5796.3	5157.7	5063.3
65°	3226.3	3344.2	4140.4	6040.1	8915.8	11244.0	8455.7	5781.7	4230.6	3436.4	3334.5
67.5°	1075.2	1109.7	1578.7	3338.6	7007.2	10102.6	7018.8	3461.3	1841.2	1220.5	1184.7
70°	420.9	424.3	500.8	967.8	3309.0	6939.0	3651.3	985.0	523.5	414.0	422.9
72.5°	309.3	310.7	332.0	404.3	862.3	3056.9	893.4	406.4	323.1	290.0	290.0
75°	248.6	248.6	263.8	294.8	386.4	701.2	391.9	291.4	252.8	231.4	228.7
77.5°	196.3	200.5	212.1	232.1	261.8	337.5	271.4	230.7	203.9	183.9	179.8
80°	146.1	150.2	169.4	179.0	188.1	234.2	200.5	180.4	161.2	137.8	133.6
82.5°	95.8	99.9	124.0	129.5	127.4	152.9	135.0	132.9	118.5	88.9	84.7
85°	62.7	64.1	82.6	86.1	79.2	69.6	86.1	90.9	82.6	57.8	55.8
87.5°	29.6	29.6	42.0	39.2	35.8	29.0	39.2	46.1	46.9	28.2	27.6
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)