

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: P383663

Luminaire Tested: **GLEON-SA9C-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383663  
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-SA9C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 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: 60761.1 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

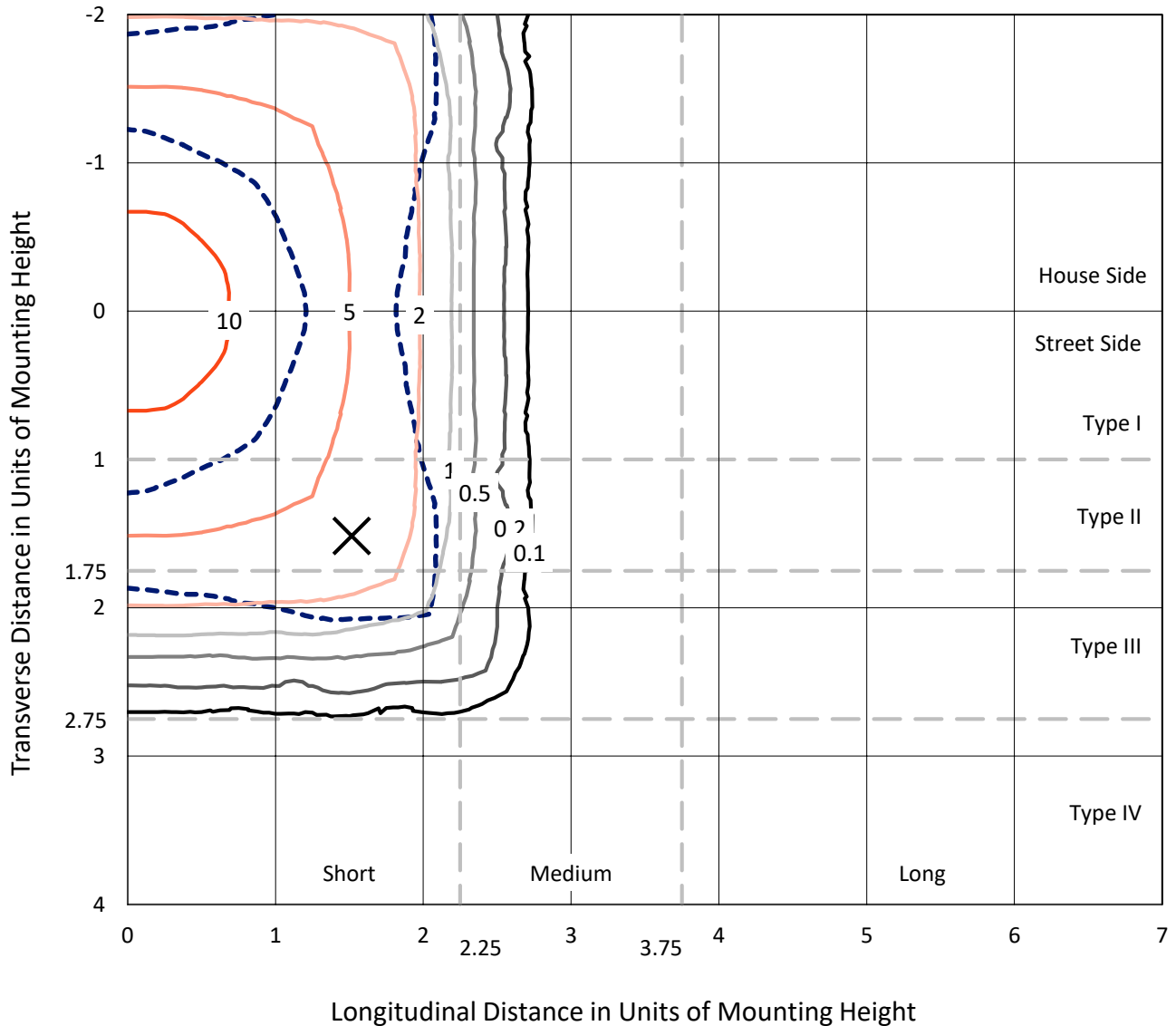
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

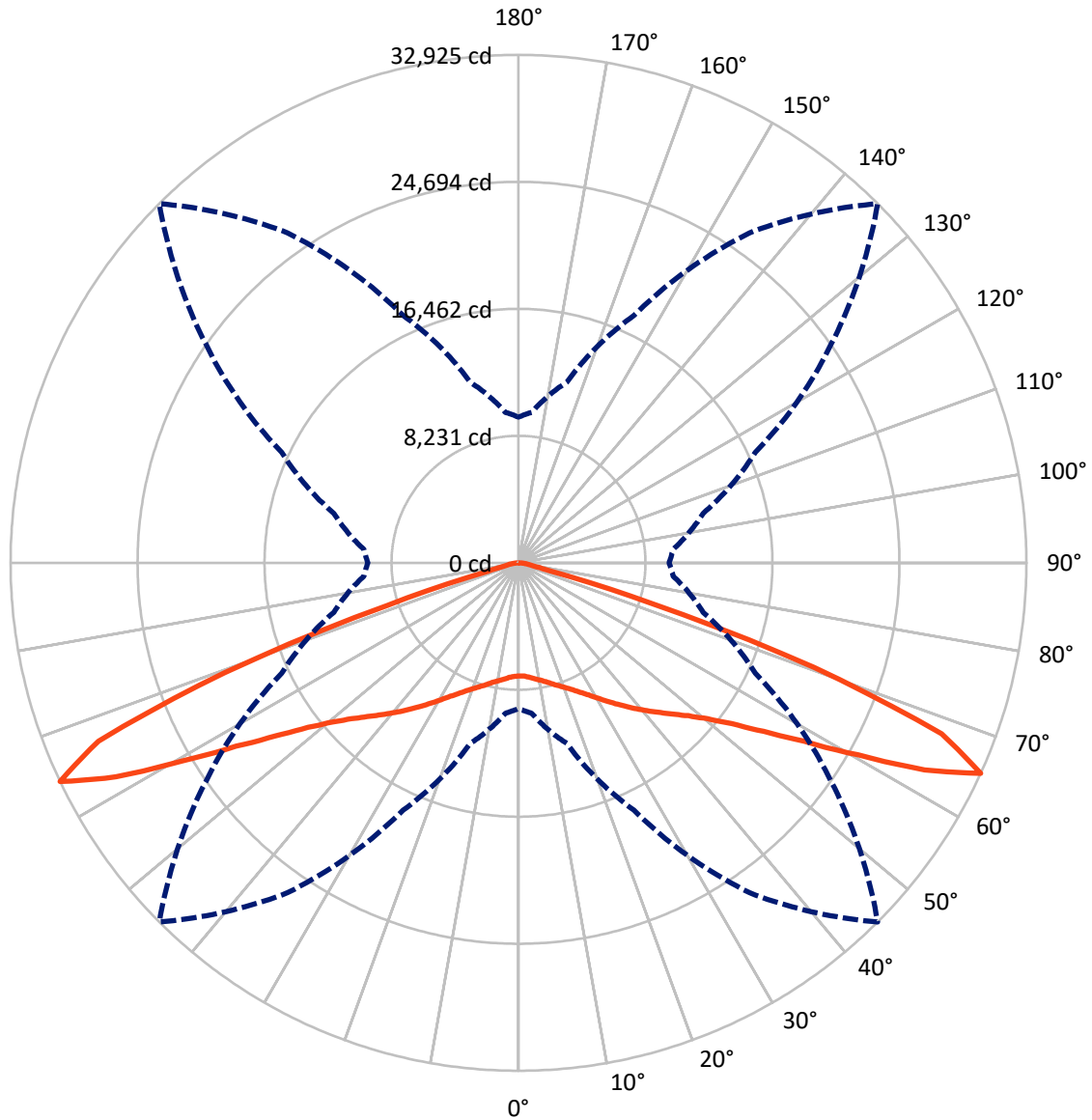
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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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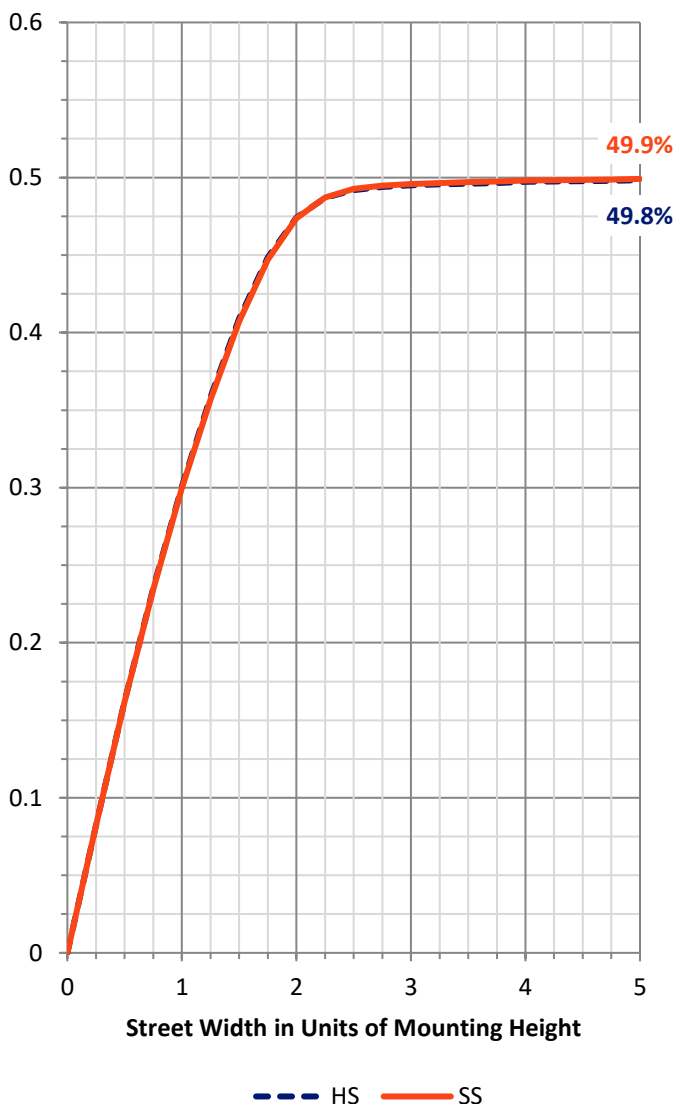
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	30380.6	0.0	30380.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30380.6	0.0	30380.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	60761.1	0.0	60761.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	719.9	1.2
10°-20°	2314.0	3.8
20°-30°	4341.6	7.1
30°-40°	7180.1	11.8
40°-50°	11121.0	18.3
50°-60°	17056.4	28.1
60°-70°	15915.6	26.2
70°-80°	1852.4	3.0
80°-90°	260.3	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°	60761.1	100.0
0°-180°	60761.1	100.0

**Coefficient of Utilization**



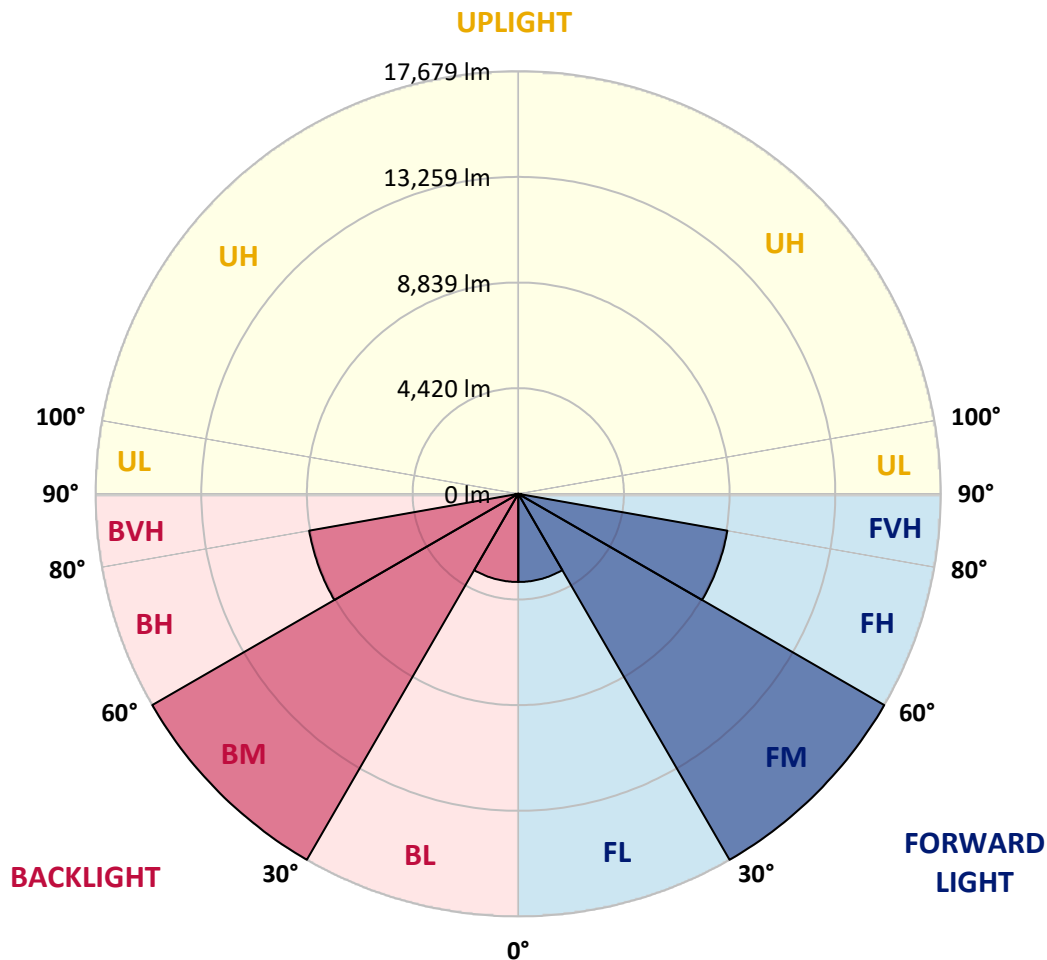
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3687.7	6.1			
FM	(30°-60°)	17678.7	29.1			
FH	(60°-80°)	8884.0	14.6			G4/12000
FVH	(80°-90°)	130.1	0.2			G2/225
BL	(0°-30°)	3687.7	6.1	B4/5000		
BM	(30°-60°)	17678.7	29.1	B5		
BH	(60°-80°)	8884.0	14.6	B5		G4/12000
BVH	(80°-90°)	130.1	0.2			G2/225
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°	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7	7337.7
2.5°	7361.8	7357.8	7361.8	7363.9	7351.8	7357.8	7355.9	7365.9	7369.9	7365.9	7365.9
5°	7446.6	7440.6	7448.6	7458.7	7442.6	7446.6	7440.6	7452.7	7456.7	7448.6	7454.6
7.5°	7563.6	7565.6	7573.7	7591.8	7581.8	7589.8	7577.7	7579.7	7577.7	7565.6	7567.6
10°	7690.7	7692.6	7706.8	7731.0	7735.0	7735.0	7726.9	7720.9	7712.8	7704.7	7706.8
12.5°	7843.9	7854.0	7864.1	7894.4	7894.4	7910.5	7906.4	7890.3	7876.2	7864.1	7864.1
15°	8051.6	8049.7	8061.8	8092.0	8106.1	8132.3	8132.3	8110.1	8092.0	8079.9	8075.9
17.5°	8269.5	8275.6	8283.6	8319.9	8342.1	8372.4	8376.4	8358.2	8346.1	8330.0	8319.9
20°	8523.7	8533.7	8566.0	8580.1	8600.3	8628.6	8638.6	8634.6	8622.5	8614.4	8616.4
22.5°	8820.2	8846.3	8866.6	8886.7	8910.9	8931.0	8941.2	8955.2	8943.1	8937.1	8933.1
25°	9179.2	9197.3	9237.6	9273.9	9290.0	9296.1	9308.2	9328.4	9326.4	9312.3	9312.3
27.5°	9586.6	9620.8	9671.3	9723.8	9723.8	9703.6	9743.9	9778.2	9766.1	9747.9	9723.8
30°	10080.7	10113.0	10171.5	10244.1	10207.8	10193.6	10248.1	10310.6	10292.5	10262.3	10258.2
32.5°	10613.2	10643.5	10720.1	10798.8	10752.4	10732.2	10790.7	10881.5	10849.2	10788.7	10752.4
35°	11190.0	11220.3	11329.2	11424.0	11345.3	11311.0	11359.5	11458.3	11401.9	11288.9	11260.6
37.5°	11817.3	11833.4	11974.7	12071.5	12017.0	11926.2	11986.8	12059.3	12010.9	11873.8	11819.4
40°	12468.8	12527.3	12690.7	12803.7	12708.8	12565.6	12666.4	12767.3	12694.7	12519.3	12426.5
42.5°	13229.2	13273.5	13491.4	13592.2	13439.0	13237.3	13374.4	13511.5	13439.0	13269.5	13188.9
45°	14019.9	14088.4	14348.6	14449.4	14227.6	13971.4	14138.8	14378.9	14372.8	14128.8	14044.0
47.5°	14881.1	14949.7	15260.2	15393.4	15153.4	14810.5	15046.4	15385.3	15361.1	15092.8	15024.3
50°	15875.4	15948.0	16335.3	16502.7	16278.8	15879.4	16234.5	16532.9	16488.6	16157.8	16163.8
52.5°	17123.9	17119.9	17602.0	17892.4	17662.4	17309.5	17636.2	17926.7	17743.1	17285.3	17271.2
55°	18217.2	18283.7	18880.7	19431.3	19417.2	19282.1	19413.2	19425.3	18900.8	18291.8	18217.2
57.5°	18935.2	19062.3	19903.3	20899.6	21645.9	21825.4	21571.3	20800.8	19572.5	18598.3	18479.3
60°	18493.5	18687.0	20008.2	22039.2	24237.8	25292.6	23858.5	21468.4	19050.1	17692.7	17531.4
62.5°	15512.4	15839.1	17773.4	21488.7	26468.4	29552.4	25516.5	20397.4	16972.7	15102.9	14826.6
65°	9447.4	9792.3	12123.9	17686.6	26107.5	32924.7	24760.1	16930.3	12388.1	10062.6	9764.1
67.5°	3148.4	3249.3	4622.9	9776.1	20518.5	29582.7	20552.7	10135.1	5391.3	3574.1	3469.2
70°	1232.3	1242.4	1466.3	2833.9	9689.4	20318.8	10691.8	2884.3	1532.9	1212.2	1238.4
72.5°	905.7	909.7	972.2	1184.0	2525.2	8951.2	2616.0	1190.0	946.0	849.1	849.1
75°	728.1	728.1	772.5	863.3	1131.6	2053.2	1147.7	853.2	740.2	677.7	669.6
77.5°	574.9	587.0	621.2	679.8	766.5	988.3	794.7	675.7	597.0	538.5	526.4
80°	427.6	439.7	496.1	524.4	550.6	685.8	587.0	528.5	471.9	403.4	391.2
82.5°	280.4	292.4	363.0	379.2	373.2	447.8	395.3	389.3	346.9	260.2	248.1
85°	183.5	187.6	242.0	252.1	232.0	203.7	252.1	266.2	242.0	169.4	163.4
87.5°	86.7	86.7	123.1	115.0	104.9	84.7	115.0	135.2	137.1	82.7	80.7
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)