

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: P383327

Luminaire Tested: **GLEON-SA6C-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383327  
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-SA6C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 40649.9 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

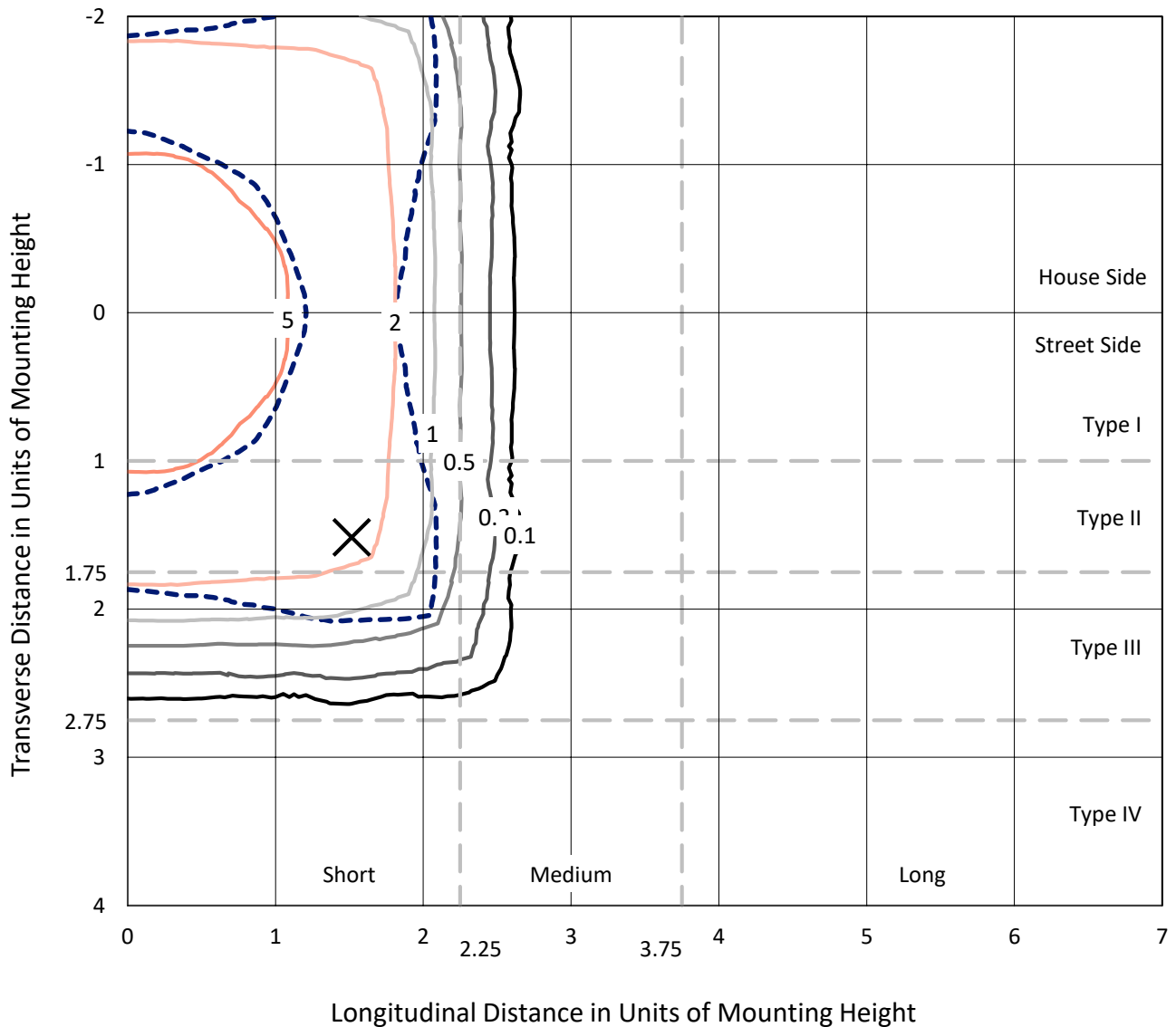
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

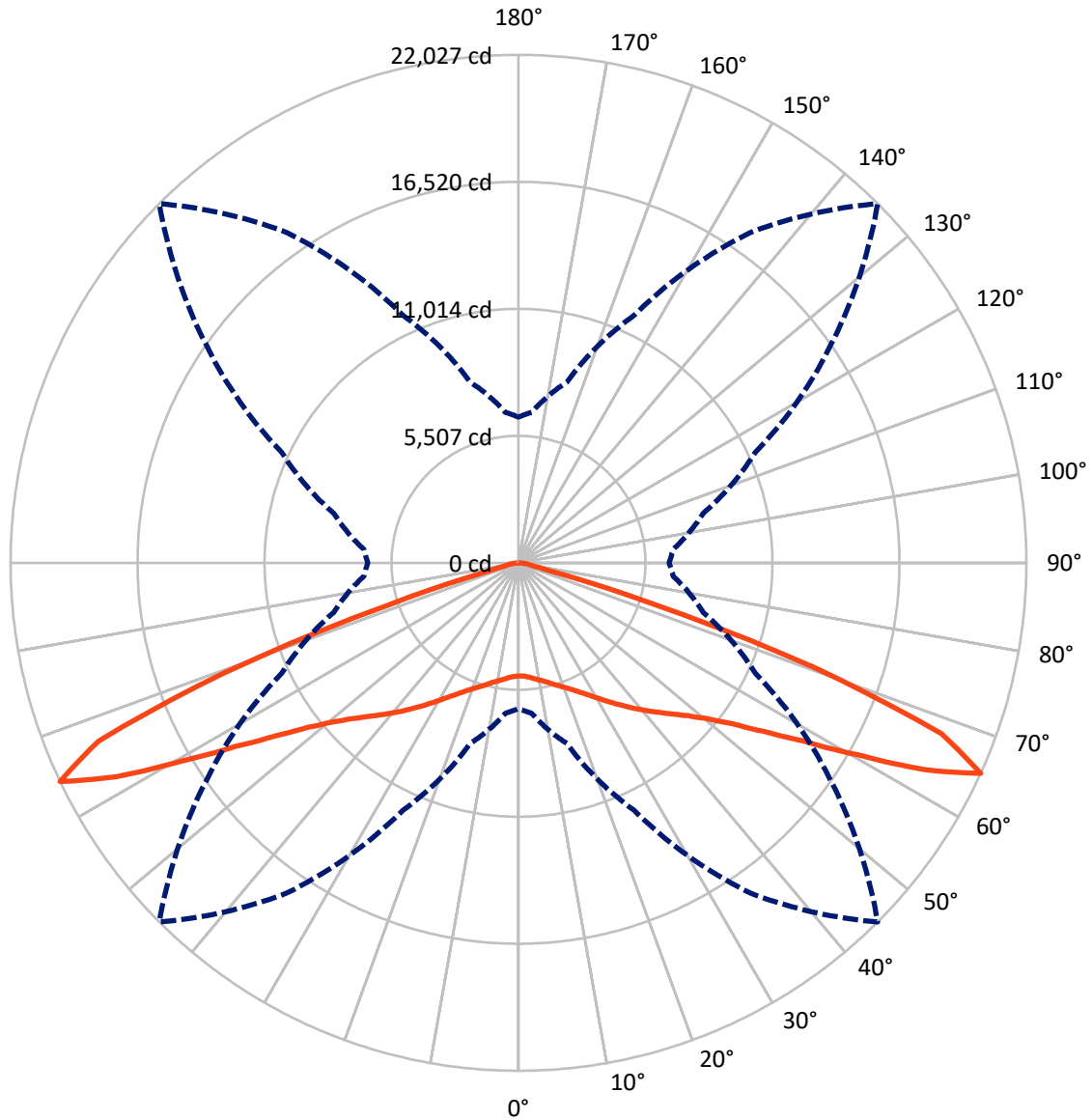
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	20325.0	0.0	20325.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20325.0	0.0	20325.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40649.9	0.0	40649.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.6	1.2
10°-20°	1548.1	3.8
20°-30°	2904.6	7.1
30°-40°	4803.5	11.8
40°-50°	7440.1	18.3
50°-60°	11410.9	28.1
60°-70°	10647.7	26.2
70°-80°	1239.2	3.0
80°-90°	174.1	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°	40649.9	100.0
0°-180°	40649.9	100.0

**Coefficient of Utilization**



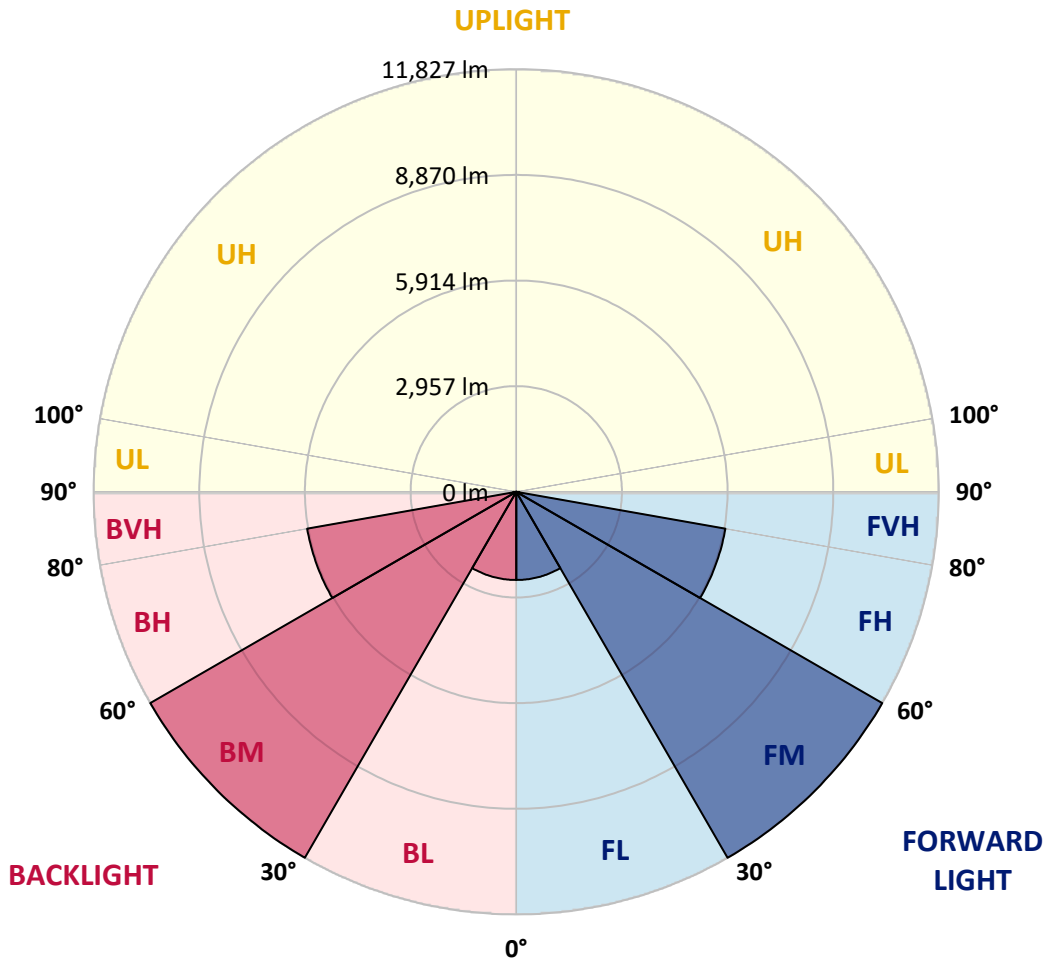
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2467.1	6.1			
FM (30°-60°)	11827.3	29.1			
FH (60°-80°)	5943.5	14.6			G3/7500
FVH (80°-90°)	87.1	0.2			G1/100
BL (0°-30°)	2467.1	6.1	B3/2500		
BM (30°-60°)	11827.3	29.1	B5		
BH (60°-80°)	5943.5	14.6	B5		G3/7500
BVH (80°-90°)	87.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0	4909.0
2.5°	4925.2	4922.5	4925.2	4926.6	4918.5	4922.5	4921.2	4927.9	4930.6	4927.9	4927.9
5°	4981.8	4977.8	4983.2	4989.9	4979.1	4981.8	4977.8	4985.9	4988.6	4983.2	4987.2
7.5°	5060.2	5061.5	5066.9	5079.0	5072.3	5077.7	5069.6	5070.9	5069.6	5061.5	5062.9
10°	5145.1	5146.5	5155.9	5172.1	5174.8	5174.8	5169.4	5165.3	5159.9	5154.6	5155.9
12.5°	5247.7	5254.4	5261.2	5281.4	5281.4	5292.2	5289.5	5278.7	5269.3	5261.2	5261.2
15°	5386.7	5385.3	5393.4	5413.7	5423.1	5440.6	5440.6	5425.8	5413.7	5405.6	5402.9
17.5°	5532.4	5536.5	5541.9	5566.2	5581.0	5601.2	5603.9	5591.8	5583.7	5572.9	5566.2
20°	5702.5	5709.2	5730.8	5740.2	5753.7	5772.6	5779.3	5776.6	5768.5	5763.1	5764.5
22.5°	5900.8	5918.3	5931.8	5945.3	5961.5	5975.0	5981.7	5991.2	5983.1	5979.0	5976.3
25°	6140.9	6153.2	6180.1	6204.4	6215.2	6219.2	6227.3	6240.8	6239.5	6230.0	6230.0
27.5°	6413.5	6436.4	6470.3	6505.3	6505.3	6491.8	6518.8	6541.7	6533.6	6521.5	6505.3
30°	6744.1	6765.7	6804.9	6853.4	6829.2	6819.7	6856.1	6897.9	6885.8	6865.6	6862.9
32.5°	7100.3	7120.6	7171.9	7224.5	7193.5	7180.0	7219.1	7279.9	7258.2	7217.7	7193.5
35°	7486.3	7506.5	7579.4	7642.8	7590.2	7567.2	7599.7	7665.7	7628.0	7552.4	7533.5
37.5°	7906.0	7916.8	8011.2	8076.0	8039.5	7978.8	8019.3	8067.9	8035.4	7943.7	7907.3
40°	8341.8	8380.9	8490.2	8565.8	8502.3	8406.6	8474.0	8541.5	8492.9	8375.5	8313.4
42.5°	8850.5	8880.2	9026.0	9093.4	8990.8	8855.9	8947.6	9039.4	8990.8	8877.5	8823.5
45°	9379.5	9425.3	9599.4	9666.9	9518.5	9347.1	9459.0	9619.6	9615.6	9452.3	9395.7
47.5°	9955.6	10001.5	10209.3	10298.4	10137.8	9908.4	10066.3	10292.9	10276.7	10097.3	10051.4
50°	10620.9	10669.5	10928.5	11040.5	10890.7	10623.6	10861.0	11060.7	11031.1	10809.8	10813.8
52.5°	11456.1	11453.4	11775.9	11970.2	11816.4	11580.3	11798.9	11993.2	11870.3	11564.0	11554.6
55°	12187.4	12232.0	12631.4	12999.8	12990.3	12900.0	12987.6	12995.7	12644.9	12237.4	12187.4
57.5°	12667.8	12752.9	13315.5	13982.2	14481.4	14601.4	14431.4	13916.0	13094.3	12442.5	12362.9
60°	12372.3	12501.8	13385.7	14744.5	16215.4	16921.1	15961.7	14362.7	12744.8	11836.6	11728.7
62.5°	10378.0	10596.5	11890.6	14376.1	17707.7	19770.9	17070.8	13646.1	11354.9	10104.0	9919.2
65°	6320.5	6551.2	8111.1	11832.6	17466.2	22027.1	16564.8	11326.6	8287.8	6732.0	6532.3
67.5°	2106.3	2173.9	3092.7	6540.4	13727.1	19791.2	13750.0	6780.5	3606.9	2391.1	2321.0
70°	824.4	831.2	981.0	1895.9	6482.4	13593.5	7153.0	1929.6	1025.5	811.0	828.5
72.5°	605.9	608.6	650.4	792.1	1689.4	5988.5	1750.1	796.1	632.9	568.1	568.1
75°	487.1	487.1	516.8	577.6	757.0	1373.7	767.8	570.8	495.2	453.4	448.0
77.5°	384.5	392.6	415.6	454.8	512.7	661.2	531.6	452.1	399.4	360.3	352.2
80°	286.1	294.2	331.9	350.8	368.3	458.8	392.6	353.5	315.8	269.9	261.8
82.5°	187.5	195.6	242.9	253.7	249.7	299.6	264.5	260.5	232.0	174.1	166.0
85°	122.8	125.5	161.9	168.7	155.2	136.3	168.7	178.1	161.9	113.4	109.3
87.5°	58.0	58.0	82.3	76.9	70.1	56.6	76.9	90.5	91.8	55.3	53.9
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)