

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: P382627

Luminaire Tested: **GLEON-SA0B-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382627  
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-SA0B-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 54353 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

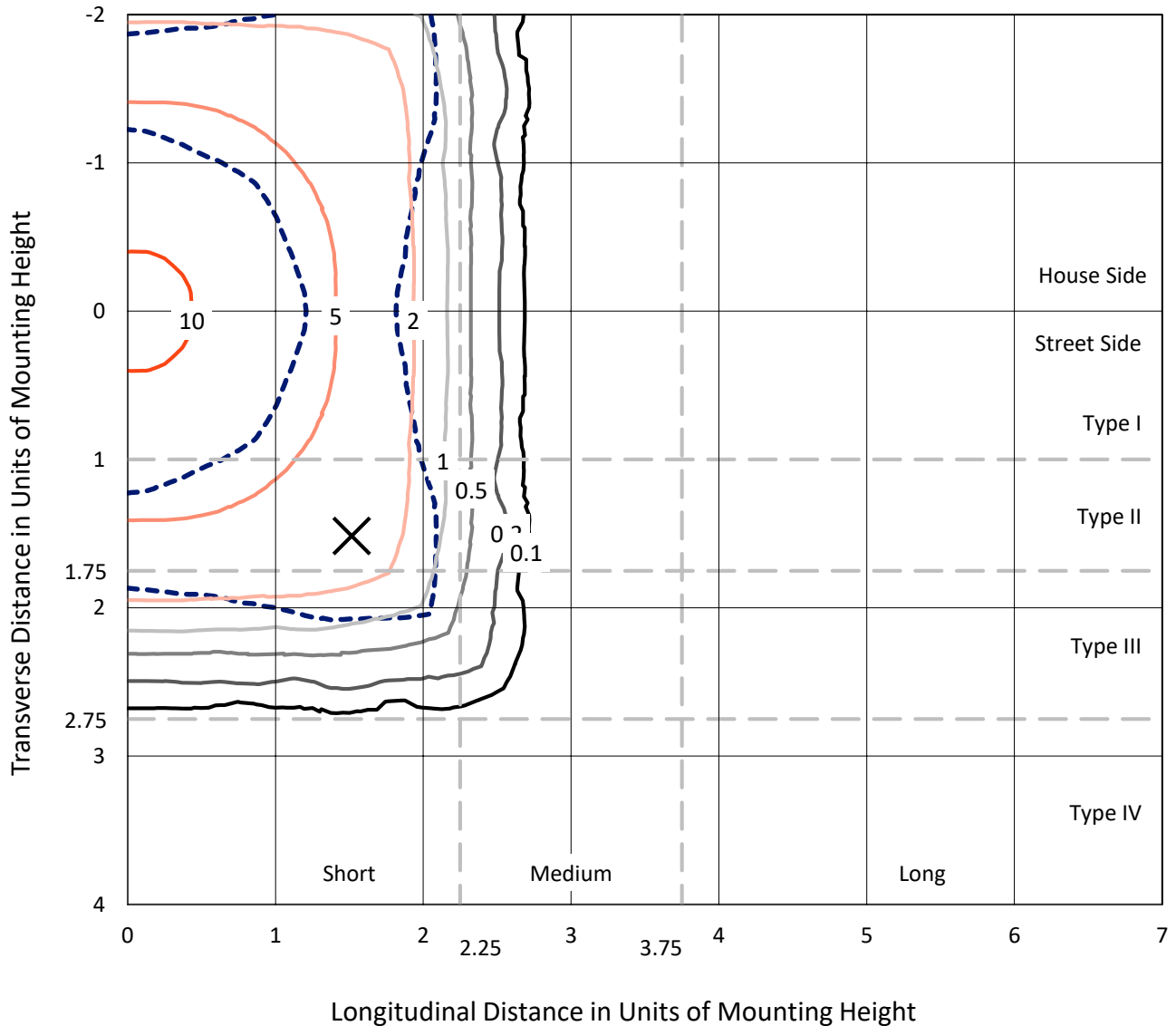
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

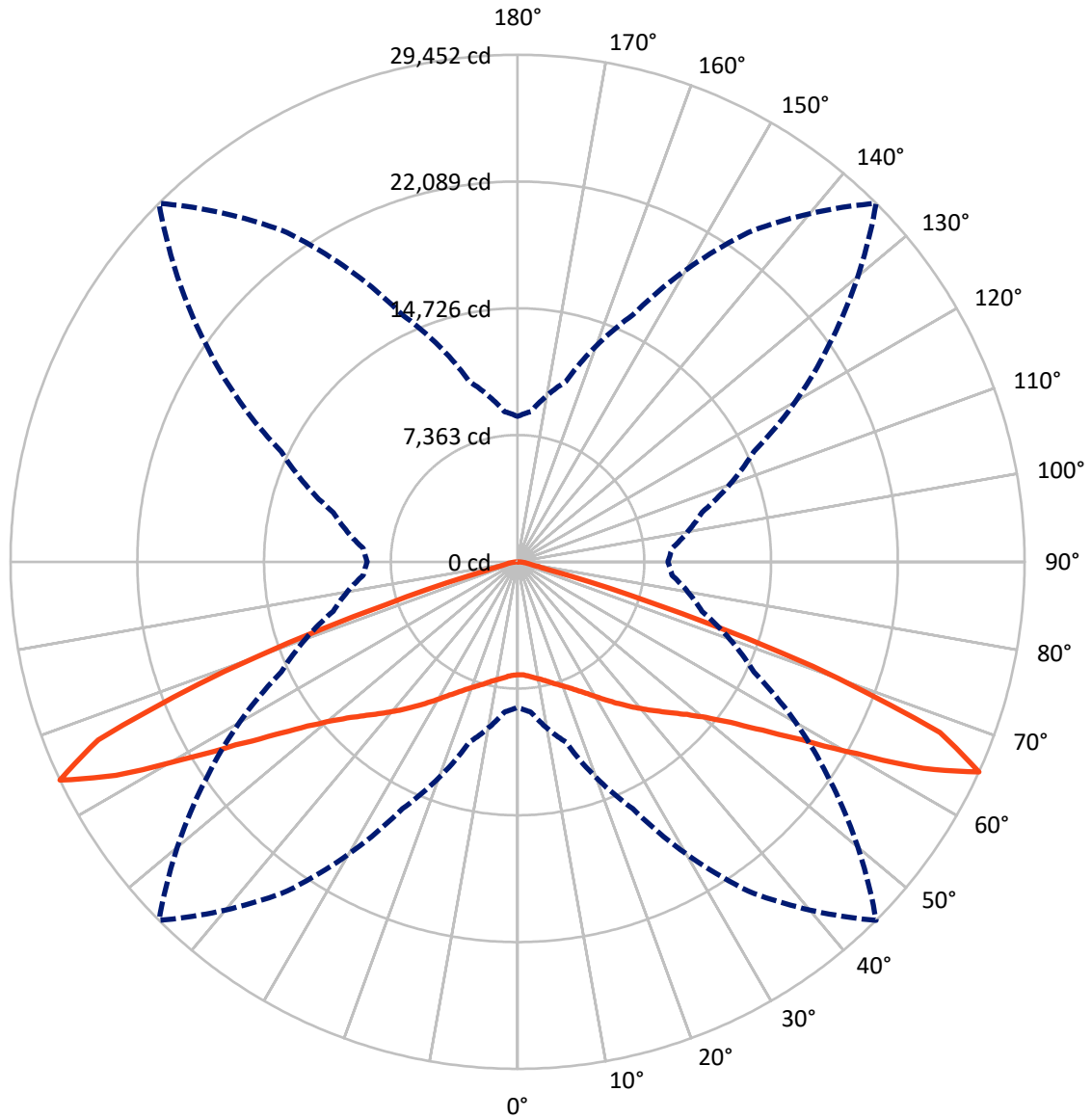
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	27176.5	0.0	27176.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27176.5	0.0	27176.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	54353.0	0.0	54353.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	644.0	1.2
10°-20°	2070.0	3.8
20°-30°	3883.7	7.1
30°-40°	6422.8	11.8
40°-50°	9948.1	18.3
50°-60°	15257.6	28.1
60°-70°	14237.0	26.2
70°-80°	1657.0	3.0
80°-90°	232.8	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°	54353.0	100.0
0°-180°	54353.0	100.0

**Coefficient of Utilization**



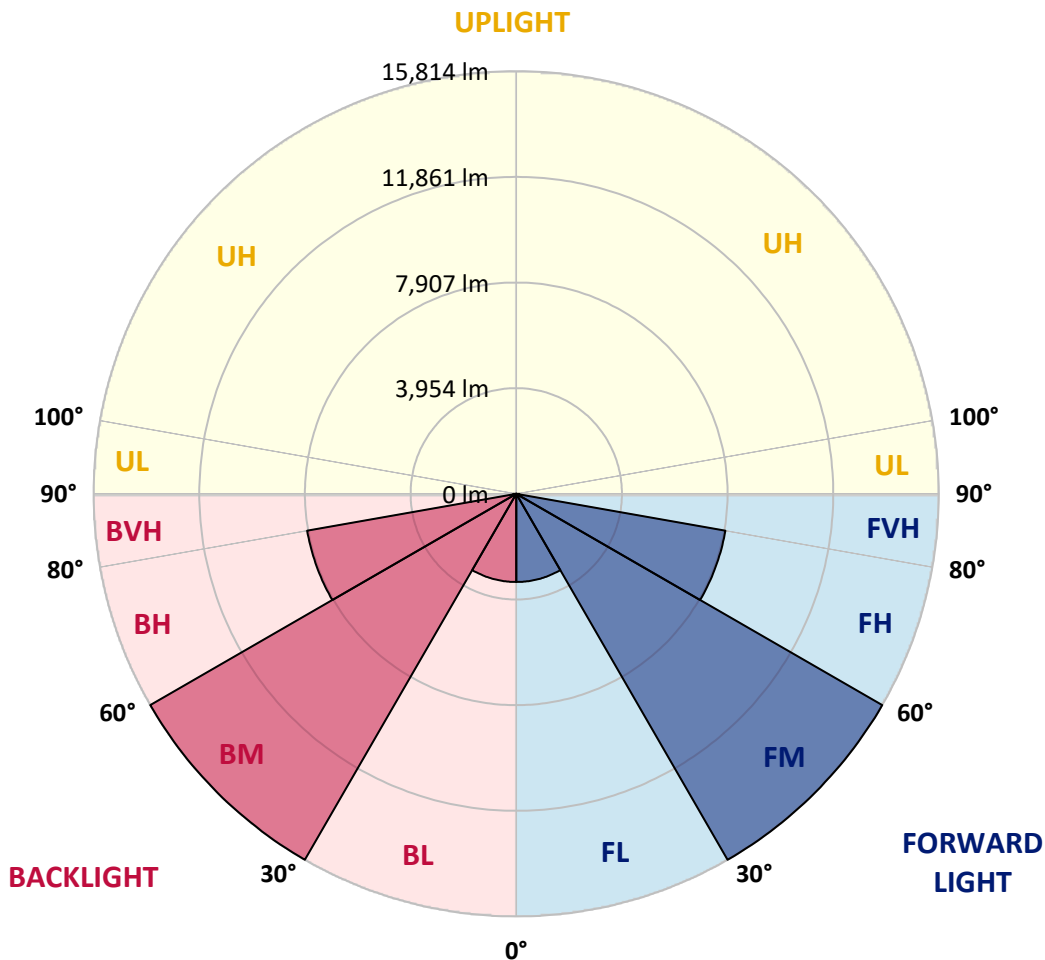
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3298.8	6.1			
FM (30°-60°)	15814.2	29.1			
FH (60°-80°)	7947.0	14.6			G4/12000
FVH (80°-90°)	116.4	0.2			G2/225
BL (0°-30°)	3298.8	6.1	B4/5000		
BM (30°-60°)	15814.2	29.1	B5		
BH (60°-80°)	7947.0	14.6	B5		G4/12000
BVH (80°-90°)	116.4	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°	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8	6563.8
2.5°	6585.5	6581.8	6585.5	6587.3	6576.4	6581.8	6580.1	6589.1	6592.7	6589.1	6589.1
5°	6661.2	6655.8	6663.1	6672.0	6657.7	6661.2	6655.8	6666.6	6670.3	6663.1	6668.5
7.5°	6765.9	6767.7	6774.9	6791.2	6782.1	6789.3	6778.5	6780.4	6778.5	6767.7	6769.5
10°	6879.6	6881.3	6894.0	6915.6	6919.3	6919.3	6912.0	6906.6	6899.4	6892.1	6894.0
12.5°	7016.7	7025.7	7034.7	7061.8	7061.8	7076.2	7072.6	7058.1	7045.6	7034.7	7034.7
15°	7202.5	7200.7	7211.6	7238.6	7251.3	7274.6	7274.6	7254.8	7238.6	7227.8	7224.2
17.5°	7397.3	7402.8	7410.0	7442.5	7462.3	7489.4	7493.0	7476.8	7465.9	7451.5	7442.5
20°	7624.7	7633.8	7662.6	7675.2	7693.3	7718.5	7727.6	7723.9	7713.1	7705.9	7707.7
22.5°	7889.9	7913.4	7931.4	7949.5	7971.2	7989.1	7998.2	8010.8	7999.9	7994.5	7991.0
25°	8211.1	8227.3	8263.4	8295.9	8310.3	8315.7	8326.5	8344.6	8342.8	8330.2	8330.2
27.5°	8575.5	8606.2	8651.3	8698.2	8698.2	8680.2	8716.3	8747.0	8736.1	8719.8	8698.2
30°	9017.6	9046.4	9098.8	9163.7	9131.2	9118.6	9167.4	9223.3	9207.0	9179.9	9176.3
32.5°	9493.9	9521.0	9589.5	9659.9	9618.4	9600.3	9652.7	9733.8	9705.0	9650.8	9618.4
35°	10009.9	10037.0	10134.4	10219.2	10148.8	10118.2	10161.5	10249.9	10199.3	10098.3	10073.0
37.5°	10571.0	10585.5	10711.8	10798.3	10749.7	10668.5	10722.6	10787.5	10744.2	10621.5	10572.8
40°	11153.8	11206.1	11352.3	11453.3	11368.5	11240.4	11330.6	11420.8	11355.8	11198.9	11115.9
42.5°	11834.0	11873.7	12068.6	12158.7	12021.6	11841.2	11963.9	12086.6	12021.6	11870.1	11797.9
45°	12541.2	12602.6	12835.3	12925.6	12727.1	12497.9	12647.7	12862.4	12857.0	12638.7	12562.9
47.5°	13311.6	13373.0	13650.9	13770.0	13555.2	13248.5	13459.7	13762.7	13741.1	13501.1	13439.7
50°	14201.2	14266.1	14612.5	14762.2	14562.0	14204.8	14522.3	14789.3	14749.7	14453.7	14459.1
52.5°	15318.0	15314.4	15745.6	16005.4	15799.7	15484.0	15776.2	16036.0	15871.9	15462.3	15449.7
55°	16295.8	16355.4	16889.4	17382.0	17369.4	17248.5	17365.8	17376.6	16907.5	16362.6	16295.8
57.5°	16938.1	17051.9	17804.2	18695.5	19363.1	19523.7	19296.4	18607.1	17508.3	16636.9	16530.4
60°	16543.1	16716.2	17898.0	19714.9	21681.5	22625.1	21342.3	19204.3	17041.0	15826.8	15682.4
62.5°	13876.4	14168.7	15898.9	19222.3	23677.0	26435.6	22825.4	18246.2	15182.6	13510.1	13262.9
65°	8451.0	8759.5	10845.3	15821.3	23354.1	29452.4	22148.8	15144.7	11081.6	9001.4	8734.3
67.5°	2816.4	2906.6	4135.3	8745.2	18354.5	26462.8	18385.2	9066.3	4822.7	3197.1	3103.3
70°	1102.4	1111.4	1311.7	2534.9	8667.6	18175.9	9564.3	2580.0	1371.2	1084.3	1107.8
72.5°	810.1	813.7	869.6	1059.1	2258.9	8007.2	2340.1	1064.5	846.2	759.6	759.6
75°	651.3	651.3	691.0	772.3	1012.2	1836.7	1026.6	763.2	662.1	606.3	599.0
77.5°	514.2	525.0	555.7	608.0	685.6	884.0	710.9	604.4	534.1	481.7	470.9
80°	382.5	393.3	443.9	469.1	492.6	613.4	525.0	472.7	422.2	360.9	350.0
82.5°	250.8	261.6	324.7	339.2	333.8	400.6	353.6	348.2	310.3	232.7	221.9
85°	164.2	167.8	216.5	225.5	207.5	182.2	225.5	238.2	216.5	151.6	146.2
87.5°	77.6	77.6	110.0	102.8	93.8	75.7	102.8	120.9	122.7	74.0	72.2
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)