

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: P383359

Luminaire Tested: **GLEON-SA6D-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6D-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44189.8 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

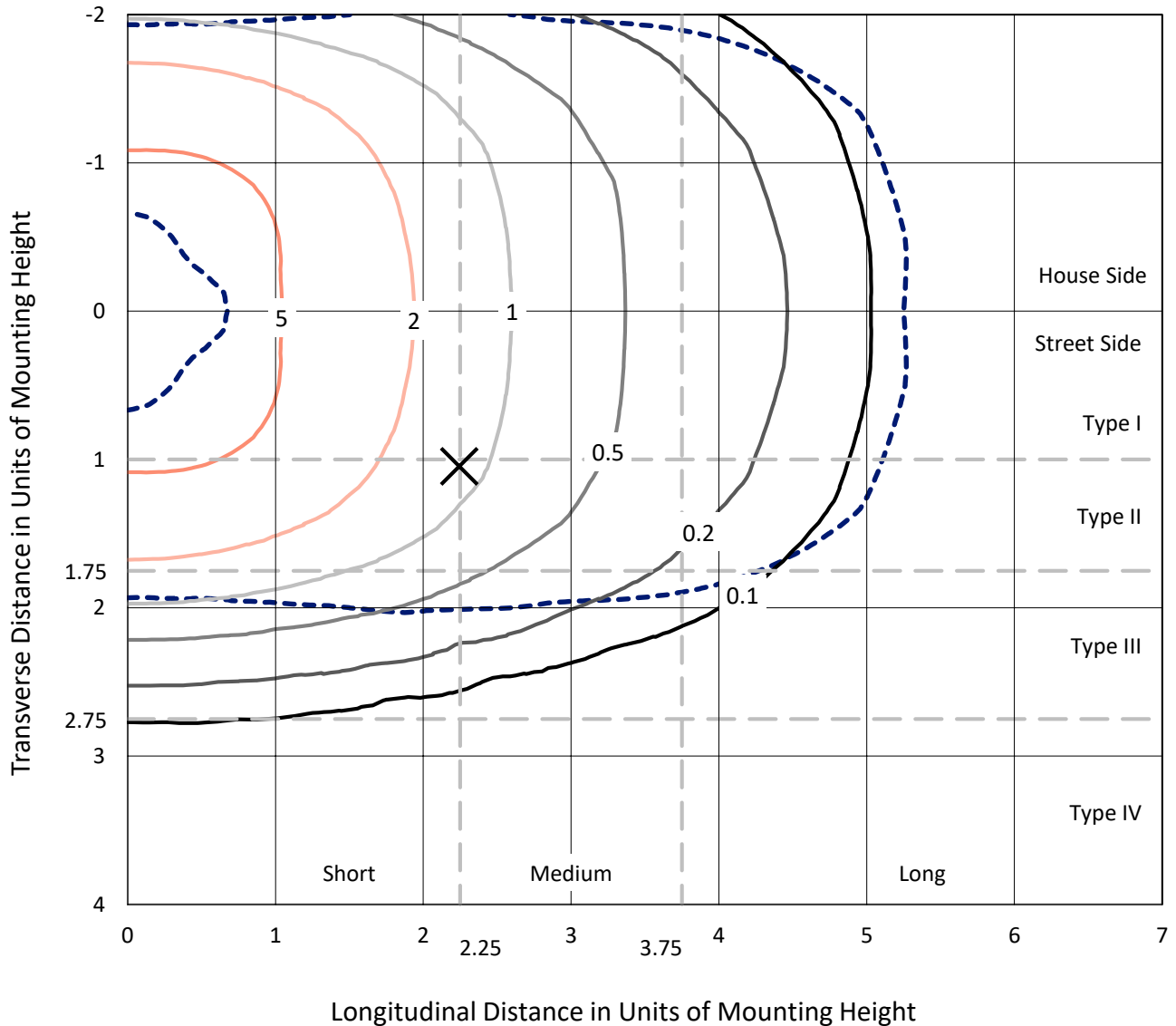
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

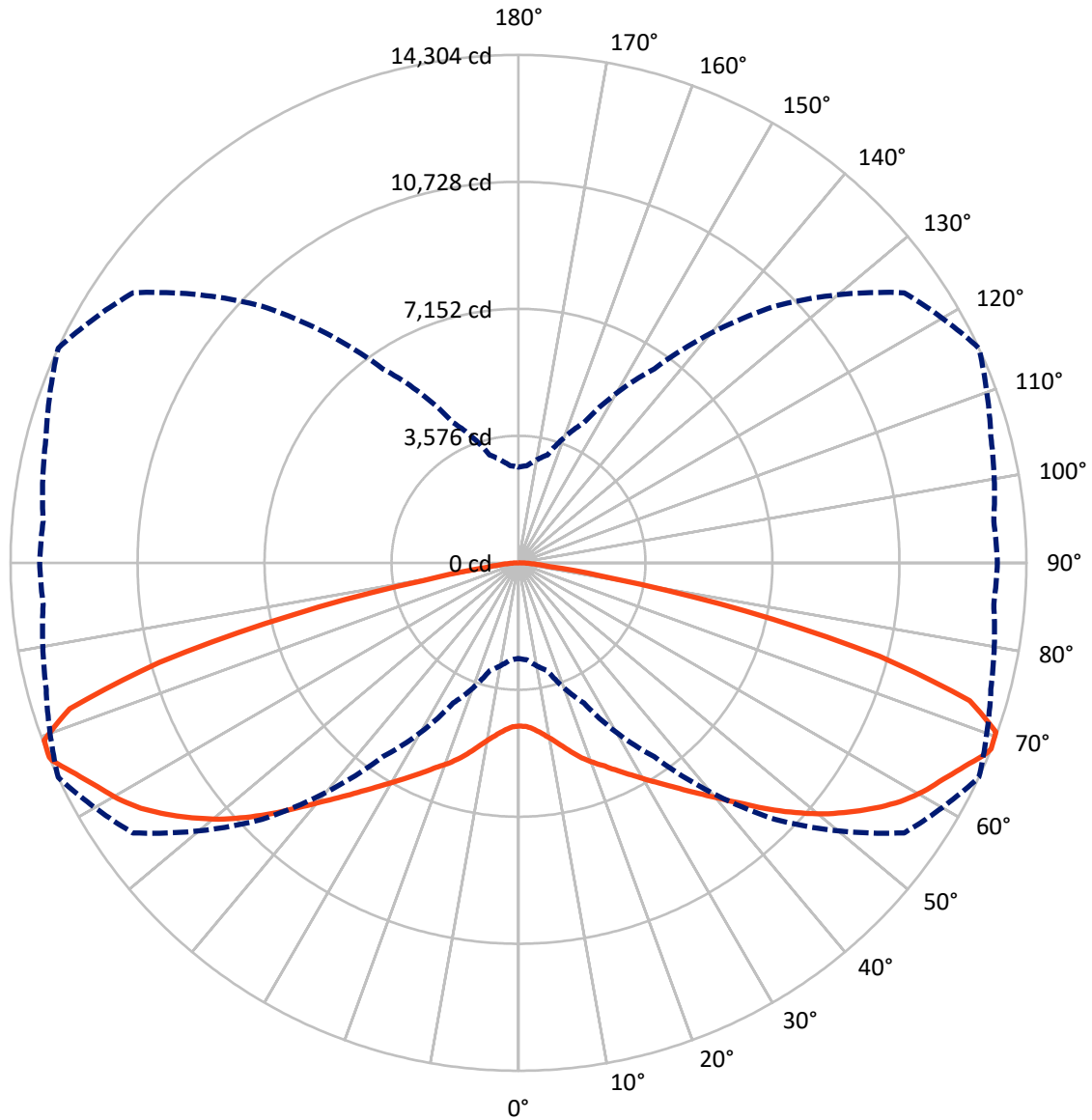
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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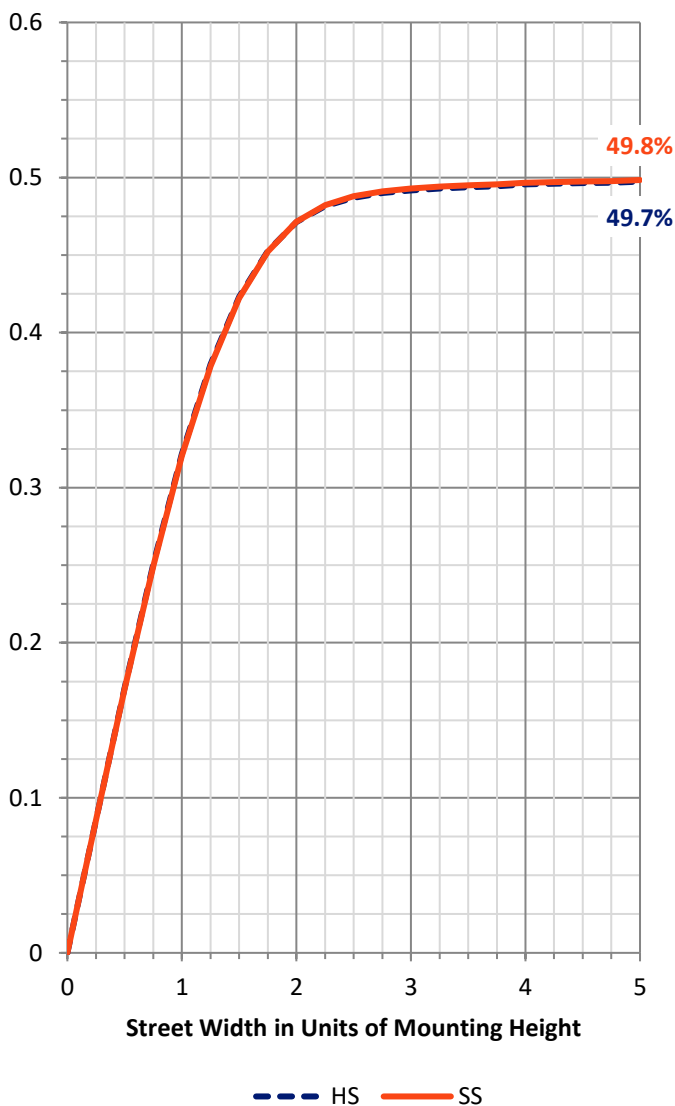
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22094.9	0.0	22094.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22094.9	0.0	22094.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44189.8	0.0	44189.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.8	1.0
10°-20°	1506.3	3.4
20°-30°	2936.9	6.6
30°-40°	4933.8	11.2
40°-50°	7773.9	17.6
50°-60°	10396.2	23.5
60°-70°	10106.4	22.9
70°-80°	5524.7	12.5
80°-90°	561.9	1.3
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°	44189.8	100.0
0°-180°	44189.8	100.0

**Coefficient of Utilization**

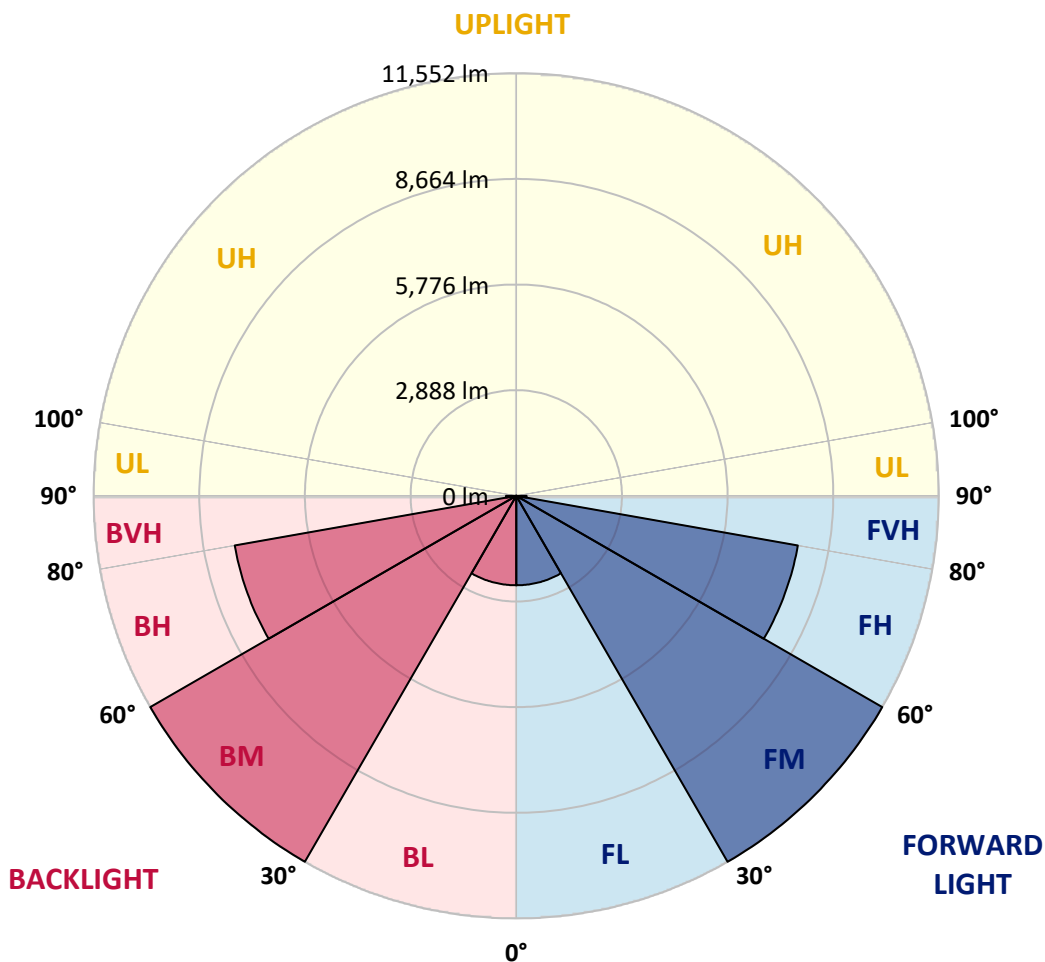


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2446.5	5.5			
FM (30°-60°)	11551.9	26.1			
FH (60°-80°)	7815.5	17.7			G4/12000
FVH (80°-90°)	280.9	0.6			G3/500
BL (0°-30°)	2446.5	5.5	B3/2500		
BM (30°-60°)	11551.9	26.1	B5		
BH (60°-80°)	7815.5	17.7	B5		G5
BVH (80°-90°)	280.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7	4594.7
2.5°	4562.1	4563.6	4571.0	4579.9	4587.3	4606.6	4611.0	4618.4	4621.4	4628.8	4628.8
5°	4522.1	4525.1	4542.9	4566.5	4593.2	4640.6	4674.7	4713.3	4732.5	4753.2	4751.7
7.5°	4517.6	4525.1	4550.2	4588.8	4633.2	4711.8	4782.8	4859.9	4911.8	4959.2	4956.2
10°	4563.6	4575.5	4611.0	4668.8	4735.4	4833.2	4938.4	5042.2	5132.5	5205.1	5208.1
12.5°	4633.2	4648.0	4704.3	4791.8	4892.5	5018.4	5142.9	5260.0	5384.4	5492.6	5501.5
15°	4725.1	4744.4	4828.8	4959.2	5113.3	5263.0	5396.3	5516.3	5660.0	5809.7	5824.5
17.5°	4861.4	4888.1	4999.2	5175.5	5378.5	5543.0	5682.3	5772.6	5892.7	6046.8	6074.9
20°	5068.8	5102.9	5243.7	5454.1	5701.5	5873.4	5980.1	5999.4	6058.6	6196.4	6229.0
22.5°	5338.5	5368.1	5525.2	5775.6	6052.6	6239.4	6295.7	6218.6	6212.7	6323.8	6354.9
25°	5639.3	5666.0	5848.2	6129.8	6427.6	6633.5	6632.1	6482.4	6378.7	6464.6	6497.2
27.5°	5977.1	6018.6	6193.4	6489.8	6808.3	7011.3	6999.5	6768.3	6571.2	6593.5	6621.6
30°	6365.4	6411.3	6581.7	6882.5	7201.0	7399.6	7384.8	7079.5	6783.2	6723.9	6744.6
32.5°	6846.9	6901.6	7063.2	7359.5	7641.0	7820.3	7777.4	7417.4	7038.0	6909.1	6928.4
35°	7426.2	7458.8	7629.2	7921.0	8149.3	8272.2	8181.9	7808.5	7361.0	7205.4	7205.4
37.5°	8013.0	8038.1	8229.3	8512.3	8733.1	8798.3	8621.9	8236.7	7783.3	7562.5	7567.0
40°	8576.0	8644.1	8859.0	9149.4	9367.2	9385.0	9150.9	8725.6	8253.0	8024.8	8051.5
42.5°	9164.2	9230.9	9487.3	9816.2	10008.7	10038.5	9764.3	9273.8	8783.4	8598.2	8627.8
45°	9688.7	9742.0	10038.5	10420.7	10660.7	10737.8	10413.3	9902.1	9356.8	9176.0	9183.5
47.5°	10054.8	10124.3	10450.3	10900.8	11250.4	11369.0	11050.4	10514.0	9921.4	9702.1	9721.4
50°	10386.6	10423.6	10754.1	11246.0	11690.5	11935.0	11662.3	11118.6	10491.8	10259.1	10279.9
52.5°	10571.9	10619.3	10939.3	11452.0	11977.9	12372.1	12206.1	11662.3	11043.0	10816.3	10841.4
55°	10442.9	10478.5	10862.2	11497.9	12155.8	12641.8	12666.9	12194.2	11583.8	11385.3	11456.4
57.5°	9856.1	9900.6	10368.9	11201.5	12177.9	12824.0	13013.6	12687.7	12089.1	11927.5	11969.1
60°	8939.0	8967.2	9466.5	10402.9	11745.3	12899.5	13234.4	13090.7	12583.9	12422.5	12478.7
62.5°	7304.7	7346.2	7943.3	9198.3	10831.1	12675.8	13447.7	13424.1	13044.7	12896.5	12946.9
65°	4993.3	5065.8	5726.7	7313.6	9422.0	11991.3	13641.9	13812.2	13452.2	13265.5	13332.2
67.5°	3015.2	3068.6	3547.1	4828.8	7209.9	10610.3	13441.9	14253.8	13739.7	13438.9	13493.7
68°	2695.2	2744.1	3144.2	4357.6	6669.0	10220.7	13259.6	14304.2	13770.8	13435.9	13484.8
70°	1628.3	1660.9	1929.1	2693.7	4446.6	8107.8	12016.5	14262.6	13969.3	13477.4	13505.6
72.5°	1060.8	1071.3	1115.7	1382.4	2271.4	4533.9	9019.0	13290.7	14267.1	13718.9	13714.4
75°	881.6	875.7	880.1	911.2	1120.2	1988.4	5270.3	10499.2	13600.4	13338.1	13244.7
77.5°	745.3	740.9	739.4	740.9	749.7	960.1	2287.7	6540.1	10407.3	11798.6	11881.6
80°	603.1	597.1	616.4	607.5	580.8	597.1	958.7	2720.4	4905.8	5277.8	4945.9
82.5°	438.6	416.3	499.3	475.6	453.4	420.8	528.9	878.6	1170.5	803.1	564.5
85°	337.8	314.1	379.3	364.5	311.1	214.8	314.1	429.7	474.2	271.2	213.3
87.5°	137.8	145.2	274.2	216.3	182.2	103.7	128.9	171.9	231.1	115.6	88.9
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)