

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: P383354

Luminaire Tested: **GLEON-SA6D-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
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-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45414.8 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

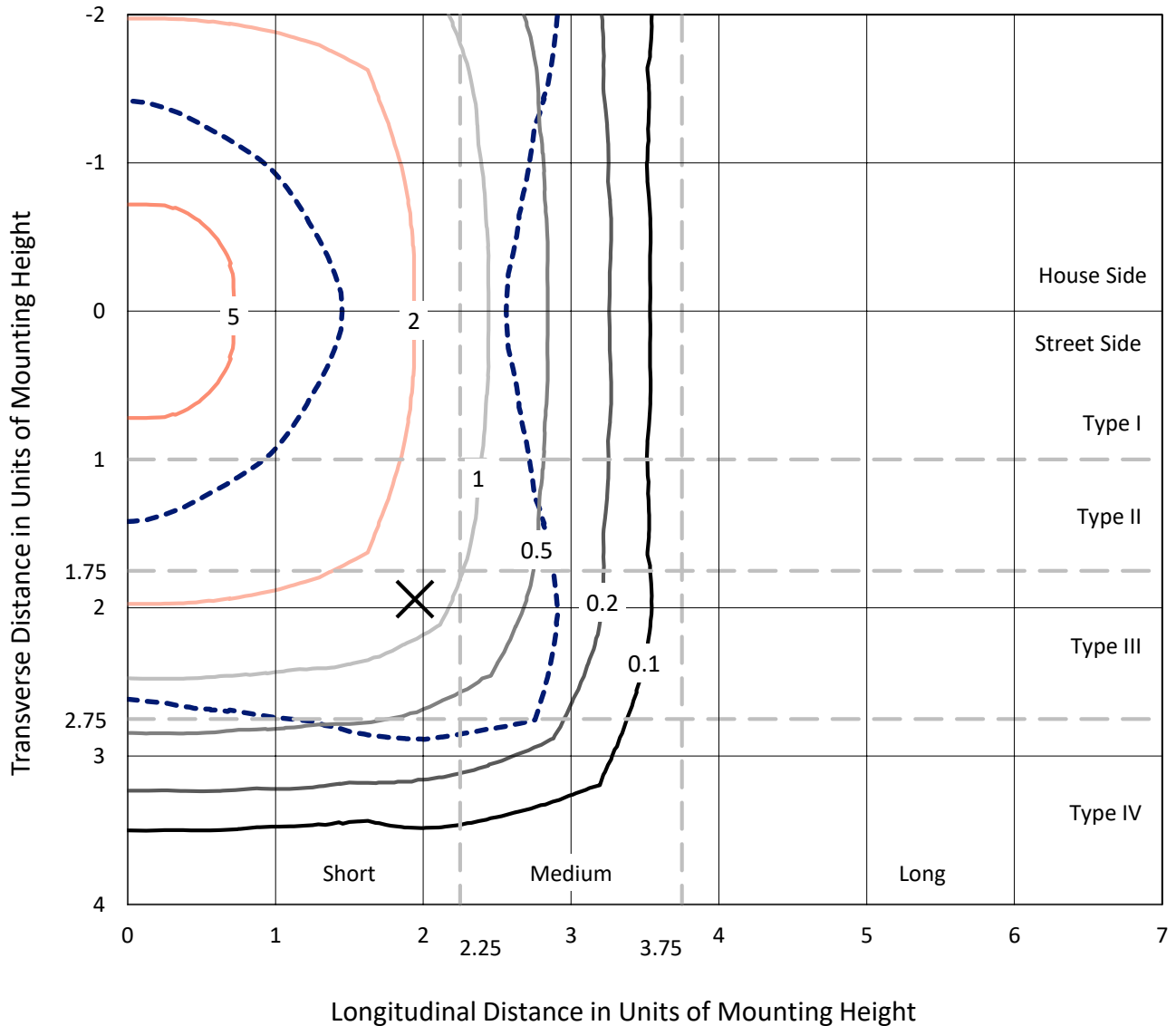
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383354  
 CATALOG NUMBER: GLEON-SA6D-735-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

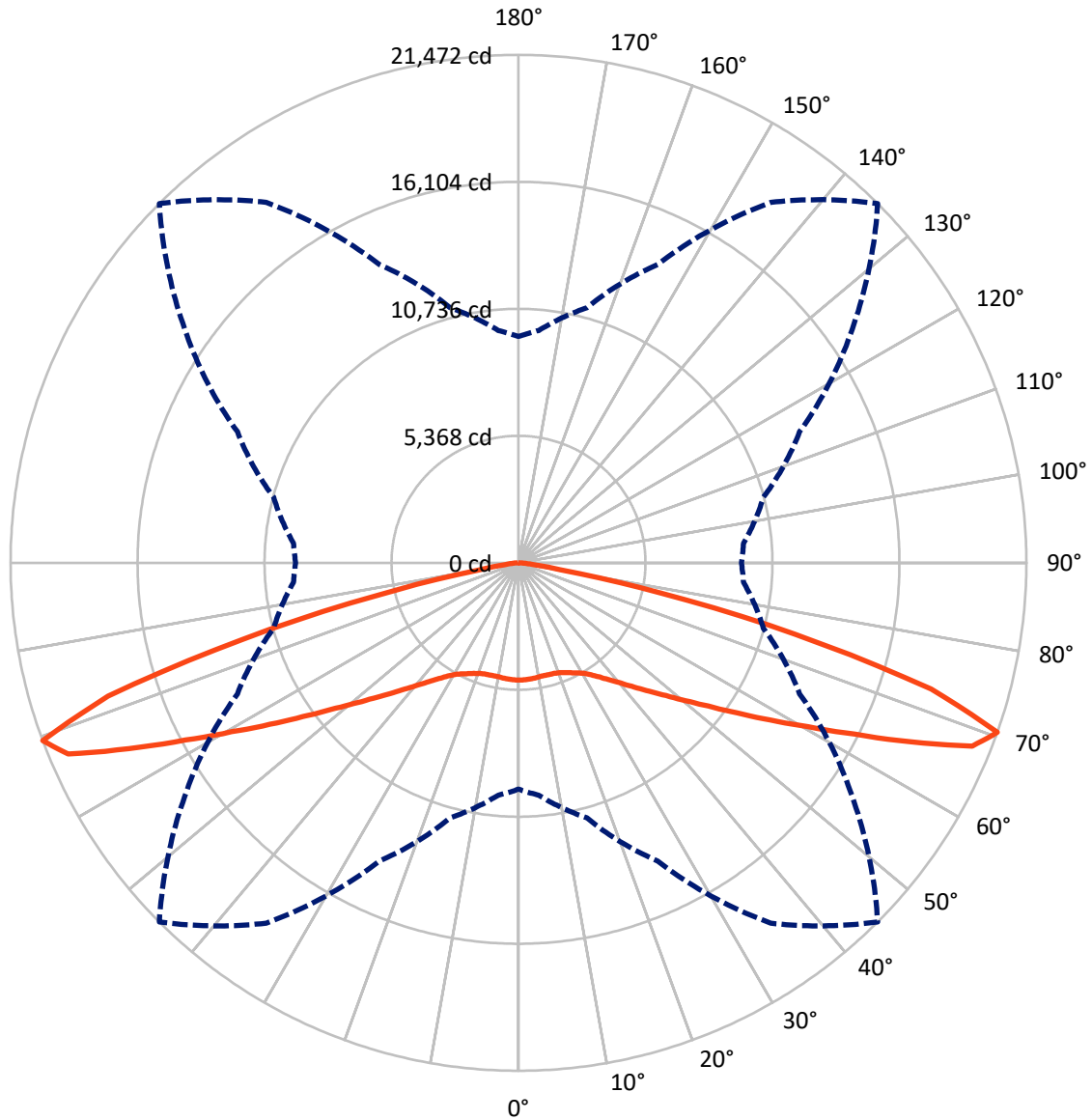
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P383354  
CATALOG NUMBER: GLEON-SA6D-735-U-5MQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P383354  
 CATALOG NUMBER: GLEON-SA6D-735-U-5MQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22707.4	0.0	22707.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22707.4	0.0	22707.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45414.8	0.0	45414.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.8	1.0
10°-20°	1379.1	3.0
20°-30°	2347.7	5.2
30°-40°	3723.4	8.2
40°-50°	6059.1	13.3
50°-60°	9990.4	22.0
60°-70°	14666.2	32.3
70°-80°	6485.4	14.3
80°-90°	293.7	0.6
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°	45414.8	100.0
0°-180°	45414.8	100.0

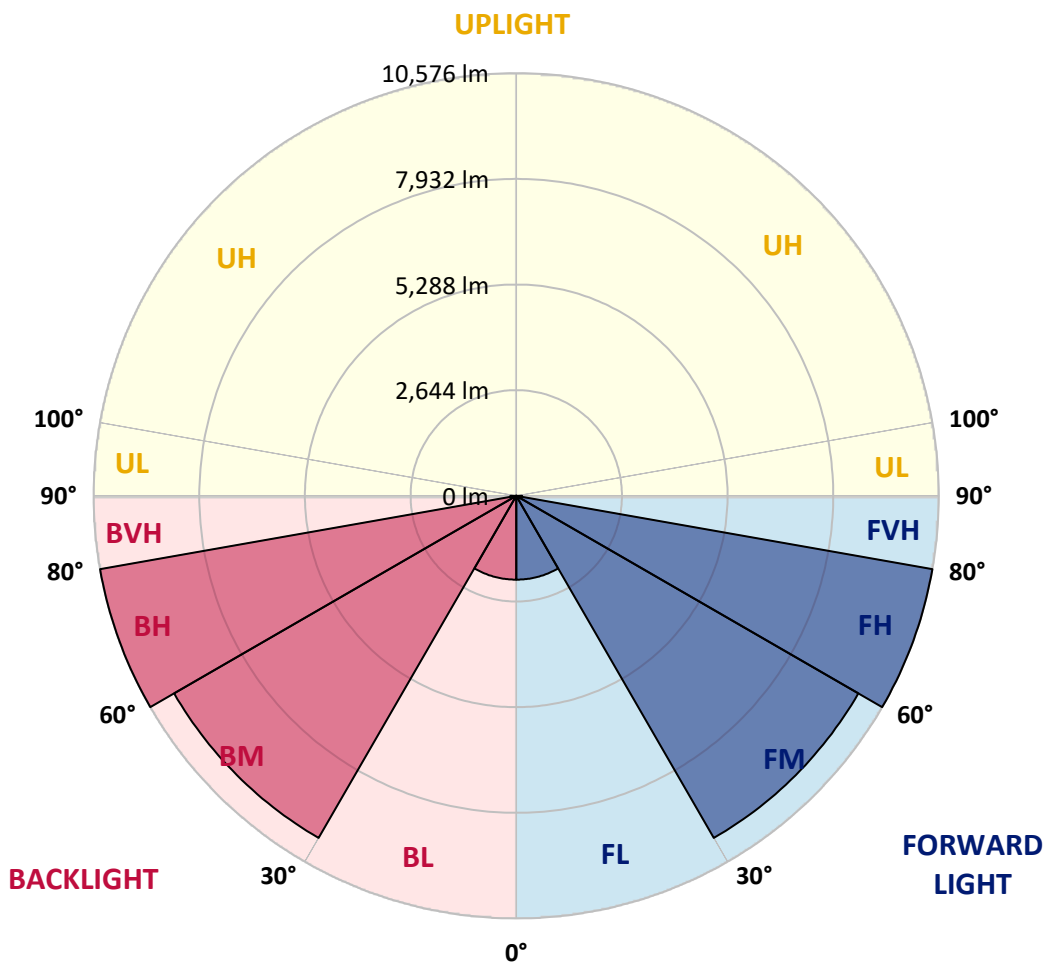


REPORT NUMBER: P383354  
 CATALOG NUMBER: GLEON-SA6D-735-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2098.3	4.6			
FM (30°-60°)	9886.5	21.8			
FH (60°-80°)	10575.8	23.3			G4/12000
FVH (80°-90°)	146.8	0.3			G2/225
BL (0°-30°)	2098.3	4.6	B3/2500		
BM (30°-60°)	9886.5	21.8	B5		
BH (60°-80°)	10575.8	23.3	B5		G4/12000
BVH (80°-90°)	146.8	0.3			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





REPORT NUMBER: P383354  
 CATALOG NUMBER: GLEON-SA6D-735-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0	4960.0
2.5°	4952.5	4948.0	4958.5	4957.0	4948.0	4949.5	4949.5	4954.0	4954.0	4951.0	4951.0
5°	4934.4	4931.4	4943.4	4943.4	4934.4	4937.5	4940.5	4944.9	4943.4	4940.5	4939.0
7.5°	4911.9	4910.4	4922.4	4922.4	4916.4	4919.4	4916.4	4917.9	4914.9	4911.9	4907.4
10°	4874.3	4877.3	4887.8	4890.9	4890.9	4892.4	4889.3	4881.9	4877.3	4872.8	4868.4
12.5°	4839.8	4838.3	4853.3	4860.8	4872.8	4886.3	4877.3	4856.3	4847.3	4838.3	4835.3
15°	4817.2	4818.7	4833.7	4847.3	4868.4	4896.9	4886.3	4853.3	4835.3	4824.8	4821.7
17.5°	4812.7	4815.7	4835.3	4859.3	4881.9	4913.4	4907.4	4874.3	4844.2	4824.8	4820.2
20°	4823.3	4824.8	4854.8	4889.3	4928.4	4958.5	4944.9	4908.9	4868.4	4838.3	4830.7
22.5°	4842.7	4848.8	4886.3	4940.5	5000.5	5041.2	5024.7	4963.0	4899.8	4862.3	4851.8
25°	4904.4	4905.9	4957.0	5030.6	5102.8	5149.4	5129.8	5042.7	4961.5	4919.4	4905.9
27.5°	5032.1	5036.7	5087.7	5173.4	5235.0	5265.1	5253.1	5182.5	5113.4	5068.2	5072.7
30°	5217.0	5223.0	5280.1	5374.8	5412.4	5419.9	5416.9	5383.9	5320.7	5260.6	5265.1
32.5°	5442.5	5445.5	5522.1	5607.8	5637.9	5643.9	5637.9	5607.8	5532.6	5451.5	5456.0
35°	5732.6	5741.6	5815.2	5897.9	5921.9	5934.0	5923.4	5884.4	5806.2	5726.6	5723.5
37.5°	6090.3	6091.8	6168.4	6254.1	6284.2	6287.2	6275.2	6249.6	6151.9	6079.7	6075.3
40°	6505.1	6511.1	6601.3	6693.0	6705.0	6691.5	6708.1	6693.0	6592.3	6509.7	6523.2
42.5°	7010.2	7023.7	7131.9	7222.1	7187.5	7180.0	7190.5	7195.0	7113.9	7013.2	7004.1
45°	7597.8	7609.8	7745.2	7817.3	7794.7	7745.2	7766.1	7802.3	7689.6	7564.7	7576.7
47.5°	8268.1	8298.2	8442.5	8510.2	8454.5	8386.9	8427.5	8481.6	8349.4	8194.5	8187.0
50°	9013.7	9051.3	9243.7	9338.3	9282.7	9158.0	9225.6	9261.7	9070.8	8870.8	8854.4
52.5°	9808.8	9846.4	10088.4	10283.7	10247.7	10053.8	10148.5	10110.9	9891.5	9622.4	9601.4
55°	10709.1	10724.2	10985.6	11301.3	11337.4	11194.6	11188.5	11127.0	10802.3	10491.2	10476.1
57.5°	11634.9	11645.5	11983.7	12356.4	12526.2	12526.2	12357.9	12227.1	11795.8	11435.0	11397.5
60°	12634.5	12672.0	13046.3	13552.8	13949.6	14066.8	13769.3	13413.1	12944.1	12503.7	12460.1
62.5°	13524.3	13567.9	14140.5	14895.1	15532.3	15959.2	15231.7	14651.6	13797.8	13091.4	13008.8
65°	13637.0	13754.2	14588.4	15954.7	17381.1	18233.3	16838.5	15409.1	13853.4	12871.9	12787.8
67.5°	12454.1	12652.6	13779.8	15906.5	18854.1	20683.2	17865.0	14976.2	12855.5	11770.2	11677.0
70°	9569.8	9858.4	11158.5	13913.6	18600.0	21472.3	17221.7	13111.0	10718.1	9550.2	9419.5
72.5°	5250.1	5368.8	6538.2	9527.7	14911.6	18246.8	14364.5	9694.5	7107.8	5783.7	5564.2
75°	1665.3	1707.4	2302.6	3898.9	8435.0	12085.9	9124.9	4758.6	2619.8	1931.4	1908.8
77.5°	739.5	744.0	832.7	1137.8	2905.4	6123.3	3490.0	1295.6	892.8	780.1	805.6
80°	467.5	467.5	515.5	563.7	790.6	1778.0	943.9	616.2	526.0	488.5	499.0
82.5°	223.9	248.0	335.2	360.7	434.4	598.2	483.9	402.8	351.8	261.5	243.5
85°	147.3	123.2	211.9	238.9	252.5	287.1	281.0	266.0	230.0	130.8	145.8
87.5°	66.1	63.2	109.7	100.7	94.6	72.1	108.2	133.8	129.3	64.6	64.6
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)