

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: P382794

Luminaire Tested: **GLEON-SA1D-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382794  
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-SA1D-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7949.8 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

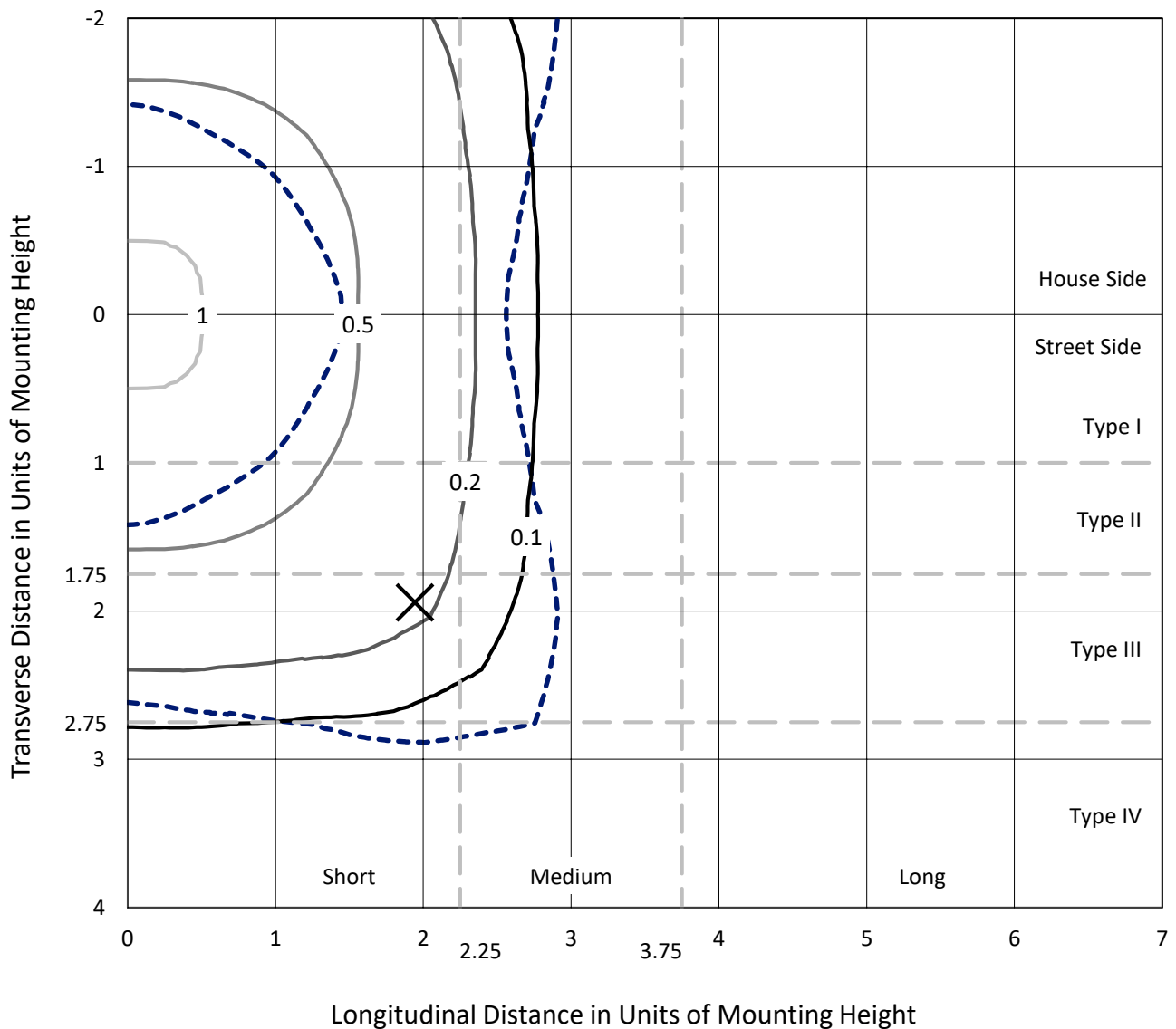
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

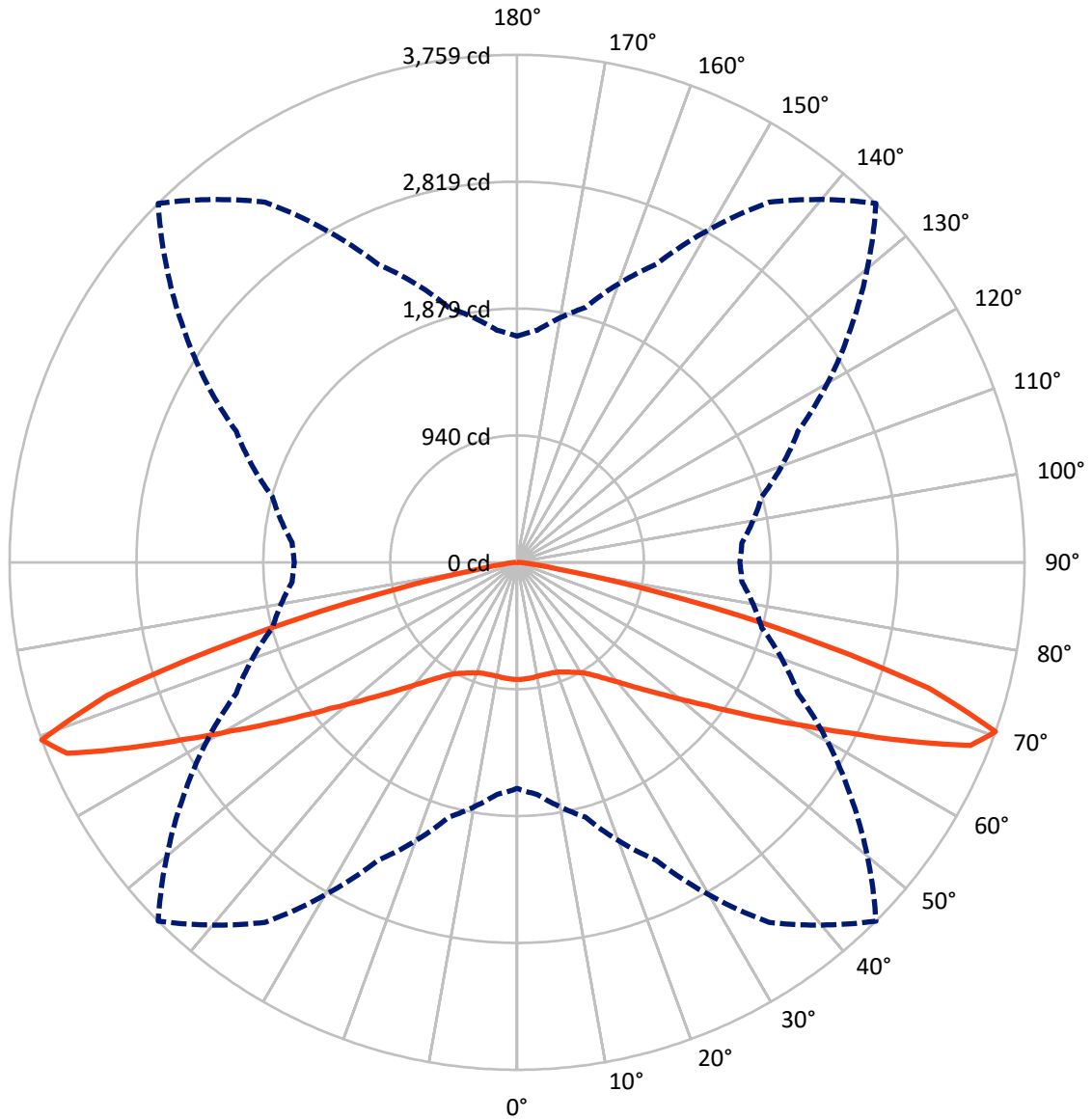
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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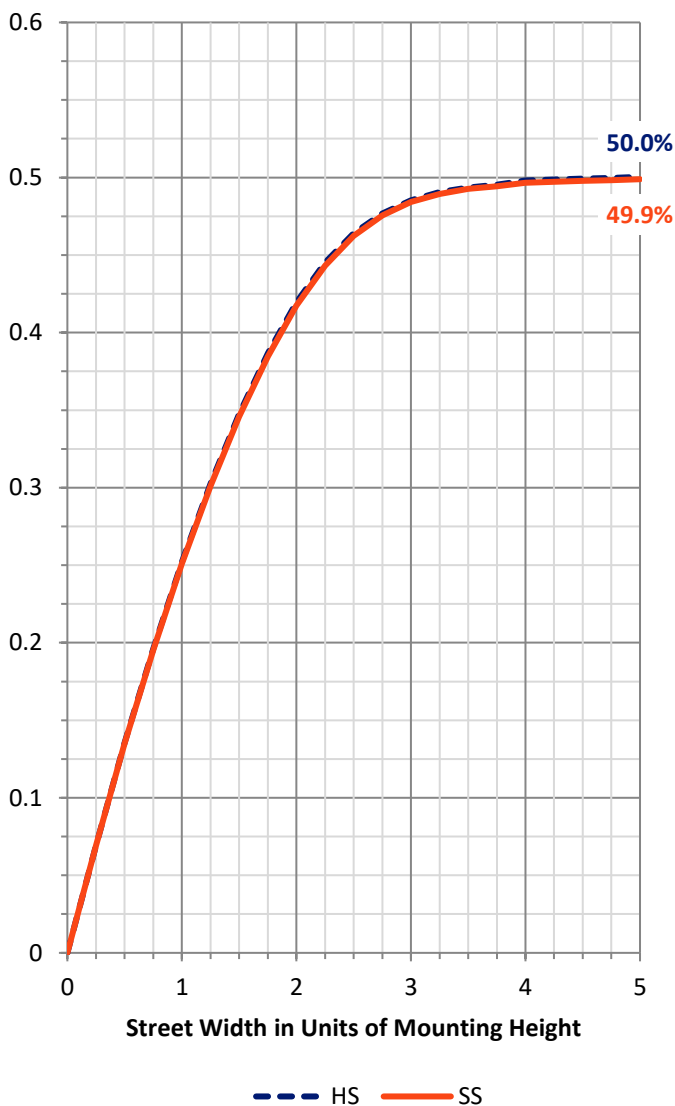
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3974.9	0.0	3974.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3974.9	0.0	3974.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7949.8	0.0	7949.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	1.0
10°-20°	241.4	3.0
20°-30°	411.0	5.2
30°-40°	651.8	8.2
40°-50°	1060.6	13.3
50°-60°	1748.8	22.0
60°-70°	2567.3	32.3
70°-80°	1135.3	14.3
80°-90°	51.4	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°	7949.8	100.0
0°-180°	7949.8	100.0



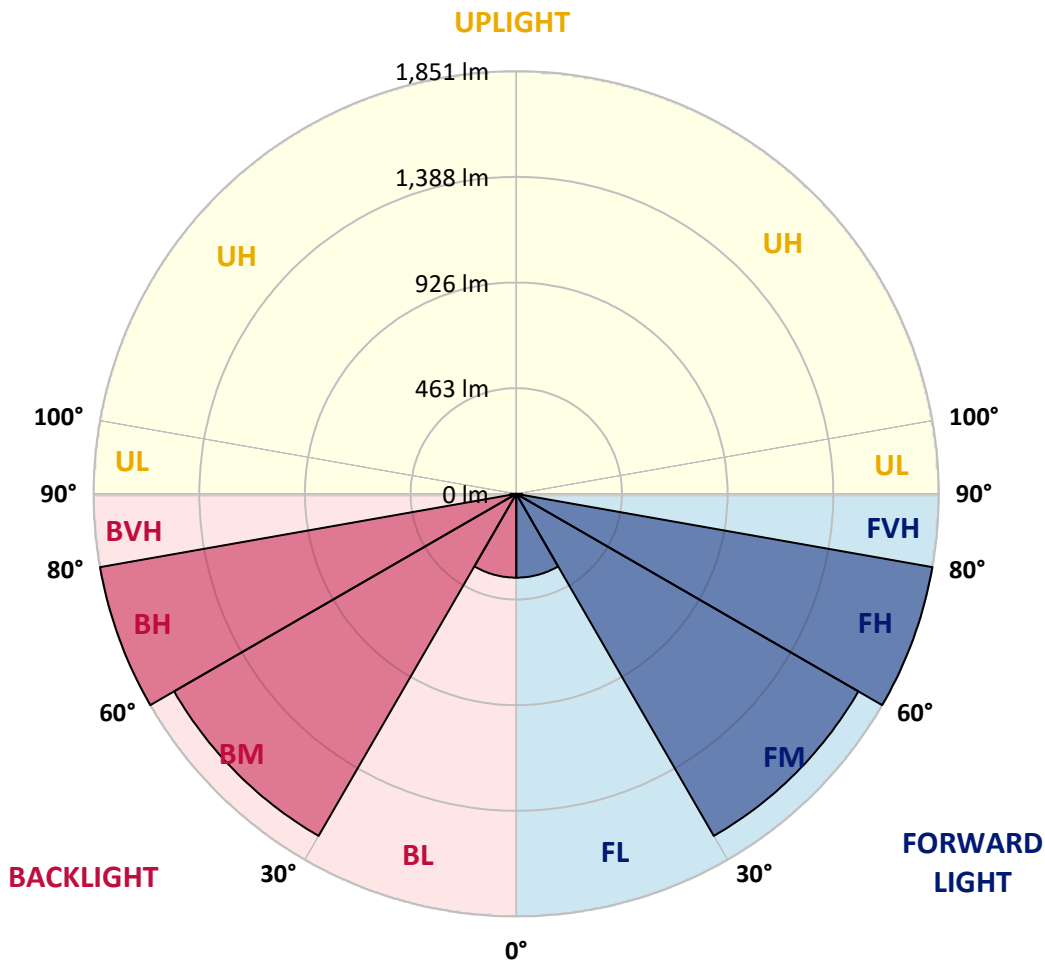
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.3	4.6			
FM (30°-60°)	1730.6	21.8			
FH (60°-80°)	1851.3	23.3			G2/5000
FVH (80°-90°)	25.7	0.3			G1/100
BL (0°-30°)	367.3	4.6	B1/500		
BM (30°-60°)	1730.6	21.8	B2/2500		
BH (60°-80°)	1851.3	23.3	B3/2500		G2/5000
BVH (80°-90°)	25.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2	868.2
2.5°	866.9	866.2	868.0	867.7	866.2	866.4	866.4	867.2	867.2	866.7	866.7
5°	863.7	863.3	865.3	865.3	863.7	864.3	864.8	865.6	865.3	864.8	864.6
7.5°	859.8	859.5	861.7	861.7	860.7	861.1	860.7	860.8	860.4	859.8	859.1
10°	853.2	853.8	855.6	856.2	856.2	856.4	855.9	854.6	853.8	853.0	852.2
12.5°	847.2	847.0	849.6	850.9	853.0	855.3	853.8	850.1	848.5	847.0	846.4
15°	843.2	843.5	846.1	848.5	852.2	857.2	855.3	849.6	846.4	844.5	844.1
17.5°	842.5	843.0	846.4	850.6	854.6	860.1	859.1	853.2	848.0	844.5	843.8
20°	844.3	844.5	849.9	855.9	862.7	868.0	865.6	859.3	852.2	847.0	845.7
22.5°	847.7	848.7	855.3	864.8	875.4	882.5	879.6	868.8	857.7	851.2	849.3
25°	858.5	858.8	867.7	880.6	893.3	901.4	898.0	882.7	868.5	861.1	858.8
27.5°	880.9	881.6	890.7	905.7	916.4	921.7	919.5	907.1	895.1	887.2	888.0
30°	913.2	914.3	924.3	940.9	947.5	948.8	948.2	942.4	931.4	920.8	921.7
32.5°	952.7	953.3	966.7	981.7	986.9	988.0	986.9	981.7	968.5	954.3	955.1
35°	1003.5	1005.0	1018.0	1032.4	1036.6	1038.8	1036.9	1030.0	1016.4	1002.4	1001.9
37.5°	1066.1	1066.3	1079.8	1094.8	1100.1	1100.5	1098.5	1094.0	1076.9	1064.3	1063.5
40°	1138.7	1139.7	1155.6	1171.6	1173.7	1171.3	1174.2	1171.6	1154.0	1139.5	1141.9
42.5°	1227.1	1229.5	1248.5	1264.2	1258.1	1256.8	1258.7	1259.5	1245.3	1227.7	1226.1
45°	1330.0	1332.1	1355.8	1368.4	1364.4	1355.8	1359.5	1365.7	1346.1	1324.2	1326.3
47.5°	1447.3	1452.6	1477.9	1489.7	1479.9	1468.1	1475.2	1484.7	1461.5	1434.5	1433.1
50°	1577.9	1584.4	1618.1	1634.7	1624.9	1603.1	1614.9	1621.3	1587.8	1552.8	1549.9
52.5°	1717.0	1723.6	1765.9	1800.1	1793.9	1759.9	1776.5	1769.9	1731.5	1684.4	1680.7
55°	1874.6	1877.3	1923.0	1978.3	1984.6	1959.6	1958.6	1947.8	1890.9	1836.5	1833.8
57.5°	2036.7	2038.5	2097.8	2163.0	2192.7	2192.7	2163.2	2140.3	2064.9	2001.7	1995.1
60°	2211.7	2218.2	2283.8	2372.4	2441.9	2462.4	2410.3	2348.0	2265.9	2188.8	2181.1
62.5°	2367.4	2375.1	2475.3	2607.4	2718.9	2793.6	2666.3	2564.7	2415.3	2291.6	2277.2
65°	2387.2	2407.7	2553.7	2792.9	3042.5	3191.8	2947.6	2697.4	2425.0	2253.2	2238.5
67.5°	2180.1	2214.8	2412.1	2784.4	3300.4	3620.6	3127.3	2621.6	2250.3	2060.4	2044.1
70°	1675.2	1725.7	1953.3	2435.5	3255.9	3758.7	3014.7	2295.1	1876.2	1671.8	1648.8
72.5°	919.1	939.8	1144.5	1667.8	2610.3	3194.1	2514.5	1697.0	1244.2	1012.4	974.0
75°	291.5	298.8	403.1	682.5	1476.5	2115.6	1597.3	833.0	458.6	338.1	334.1
77.5°	129.5	130.2	145.8	199.2	508.6	1071.9	610.9	226.8	156.3	136.6	141.0
80°	81.8	81.8	90.3	98.7	138.4	311.2	165.3	107.9	92.1	85.5	87.4
82.5°	39.2	43.4	58.7	63.2	76.0	104.7	84.7	70.5	61.6	45.7	42.7
85°	25.8	21.6	37.1	41.8	44.2	50.2	49.2	46.6	40.2	22.9	25.5
87.5°	11.6	11.1	19.2	17.6	16.6	12.7	18.9	23.4	22.6	11.3	11.3
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)