

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: P382710

Luminaire Tested: **GLEON-SA1A-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382710  
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-SA1A-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4775.1 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

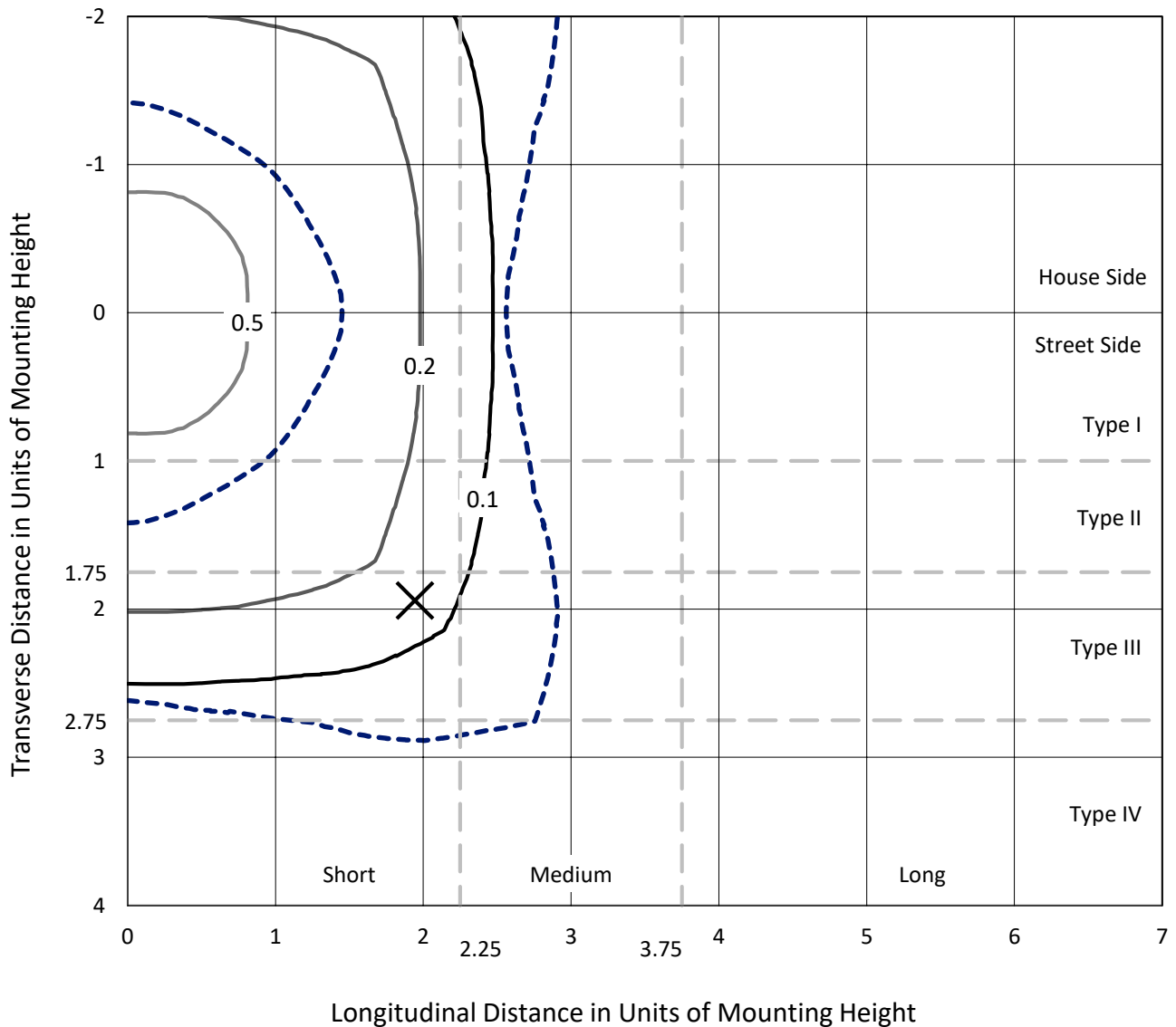
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

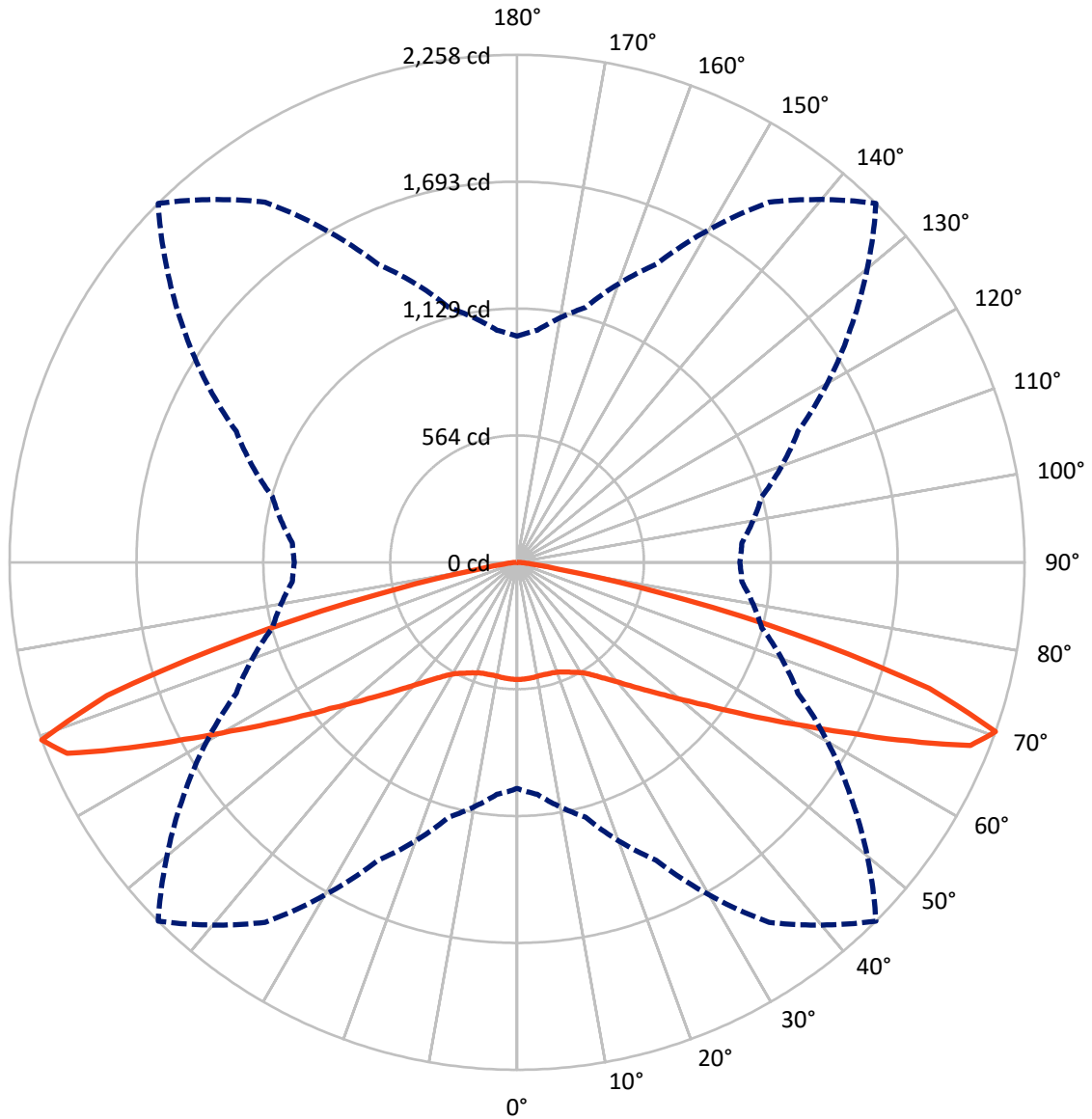
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2387.5	0.0	2387.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2387.5	0.0	2387.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4775.1	0.0	4775.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	145.0	3.0
20°-30°	246.8	5.2
30°-40°	391.5	8.2
40°-50°	637.1	13.3
50°-60°	1050.4	22.0
60°-70°	1542.1	32.3
70°-80°	681.9	14.3
80°-90°	30.9	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°	4775.1	100.0
0°-180°	4775.1	100.0

**Coefficient of Utilization**



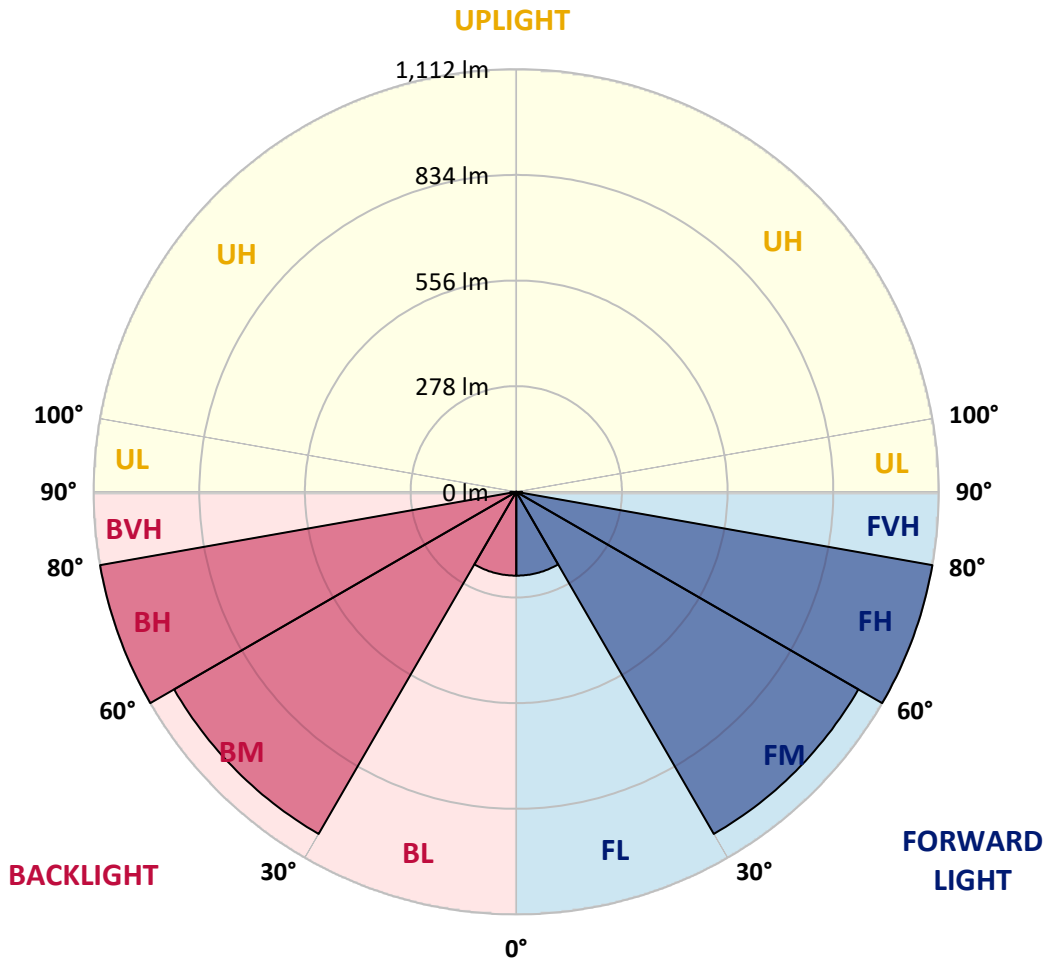
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.6	4.6			
FM (30°-60°)	1039.5	21.8			
FH (60°-80°)	1112.0	23.3			G1/1800
FVH (80°-90°)	15.4	0.3			G1/100
BL (0°-30°)	220.6	4.6	B1/500		
BM (30°-60°)	1039.5	21.8	B2/2500		
BH (60°-80°)	1112.0	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.4	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	521.5	521.5	521.5	521.5	521.5	521.5	521.5	521.5	521.5	521.5	521.5
2.5°	520.7	520.3	521.4	521.2	520.3	520.5	520.5	520.9	520.9	520.5	520.5
5°	518.9	518.5	519.8	519.8	518.9	519.2	519.4	519.9	519.8	519.4	519.3
7.5°	516.4	516.3	517.6	517.6	516.9	517.3	516.9	517.1	516.7	516.4	516.0
10°	512.5	512.8	513.9	514.2	514.2	514.4	514.1	513.3	512.8	512.4	511.9
12.5°	508.9	508.7	510.3	511.0	512.4	513.7	512.8	510.6	509.6	508.7	508.4
15°	506.5	506.7	508.3	509.6	511.9	514.9	513.7	510.3	508.4	507.3	506.9
17.5°	506.0	506.4	508.4	511.0	513.3	516.6	516.0	512.5	509.4	507.3	506.9
20°	507.1	507.3	510.5	514.1	518.2	521.4	519.9	516.2	511.9	508.7	507.9
22.5°	509.2	509.8	513.7	519.4	525.8	530.1	528.3	521.9	515.2	511.2	510.1
25°	515.7	515.8	521.2	528.9	536.6	541.4	539.4	530.2	521.7	517.3	515.8
27.5°	529.1	529.6	535.0	543.9	550.5	553.6	552.3	544.9	537.6	532.9	533.4
30°	548.5	549.1	555.2	565.2	569.1	569.9	569.5	566.1	559.5	553.2	553.6
32.5°	572.2	572.5	580.6	589.7	592.8	593.4	592.8	589.7	581.8	573.2	573.6
35°	602.7	603.7	611.5	620.1	622.6	624.0	622.8	618.7	610.5	602.2	601.8
37.5°	640.3	640.5	648.5	657.6	660.7	661.0	659.8	657.1	646.9	639.2	638.8
40°	683.9	684.6	694.1	703.7	705.0	703.6	705.3	703.7	693.2	684.4	685.9
42.5°	737.0	738.5	749.9	759.4	755.8	754.9	756.0	756.5	747.9	737.4	736.5
45°	798.9	800.1	814.4	821.9	819.6	814.4	816.6	820.3	808.5	795.4	796.7
47.5°	869.3	872.5	887.7	894.8	889.0	881.8	886.1	891.8	877.9	861.6	860.8
50°	947.8	951.7	971.9	981.9	976.0	962.9	970.0	973.8	953.7	932.8	931.0
52.5°	1031.3	1035.3	1060.8	1081.2	1077.5	1057.1	1067.1	1063.1	1040.1	1011.8	1009.5
55°	1126.0	1127.5	1155.1	1188.3	1192.1	1177.0	1176.5	1169.9	1135.8	1103.0	1101.5
57.5°	1223.3	1224.4	1260.0	1299.2	1317.0	1317.0	1299.3	1285.6	1240.3	1202.3	1198.3
60°	1328.5	1332.4	1371.7	1425.0	1466.7	1479.0	1447.7	1410.3	1361.0	1314.7	1310.1
62.5°	1422.0	1426.6	1486.8	1566.1	1633.1	1678.0	1601.5	1540.5	1450.8	1376.5	1367.8
65°	1433.8	1446.2	1533.9	1677.5	1827.5	1917.1	1770.5	1620.1	1456.6	1353.4	1344.6
67.5°	1309.5	1330.3	1448.8	1672.5	1982.4	2174.7	1878.4	1574.7	1351.7	1237.6	1227.8
70°	1006.2	1036.5	1173.3	1462.9	1955.7	2257.7	1810.7	1378.5	1127.0	1004.1	990.4
72.5°	552.0	564.5	687.5	1001.8	1567.9	1918.5	1510.3	1019.3	747.4	608.1	585.0
75°	175.1	179.5	242.1	410.0	886.9	1270.7	959.4	500.3	275.5	203.1	200.7
77.5°	77.8	78.2	87.6	119.6	305.5	643.8	366.9	136.2	93.9	82.0	84.7
80°	49.2	49.2	54.2	59.2	83.1	187.0	99.2	64.8	55.3	51.3	52.4
82.5°	23.6	26.1	35.2	37.9	45.6	62.9	50.9	42.4	37.0	27.5	25.6
85°	15.5	12.9	22.3	25.2	26.5	30.2	29.5	27.9	24.2	13.8	15.4
87.5°	7.0	6.6	11.6	10.6	10.0	7.5	11.4	14.1	13.6	6.8	6.8
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)