

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: P382743

Luminaire Tested: **GLEON-SA1B-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382743  
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-SA1B-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5697.3 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

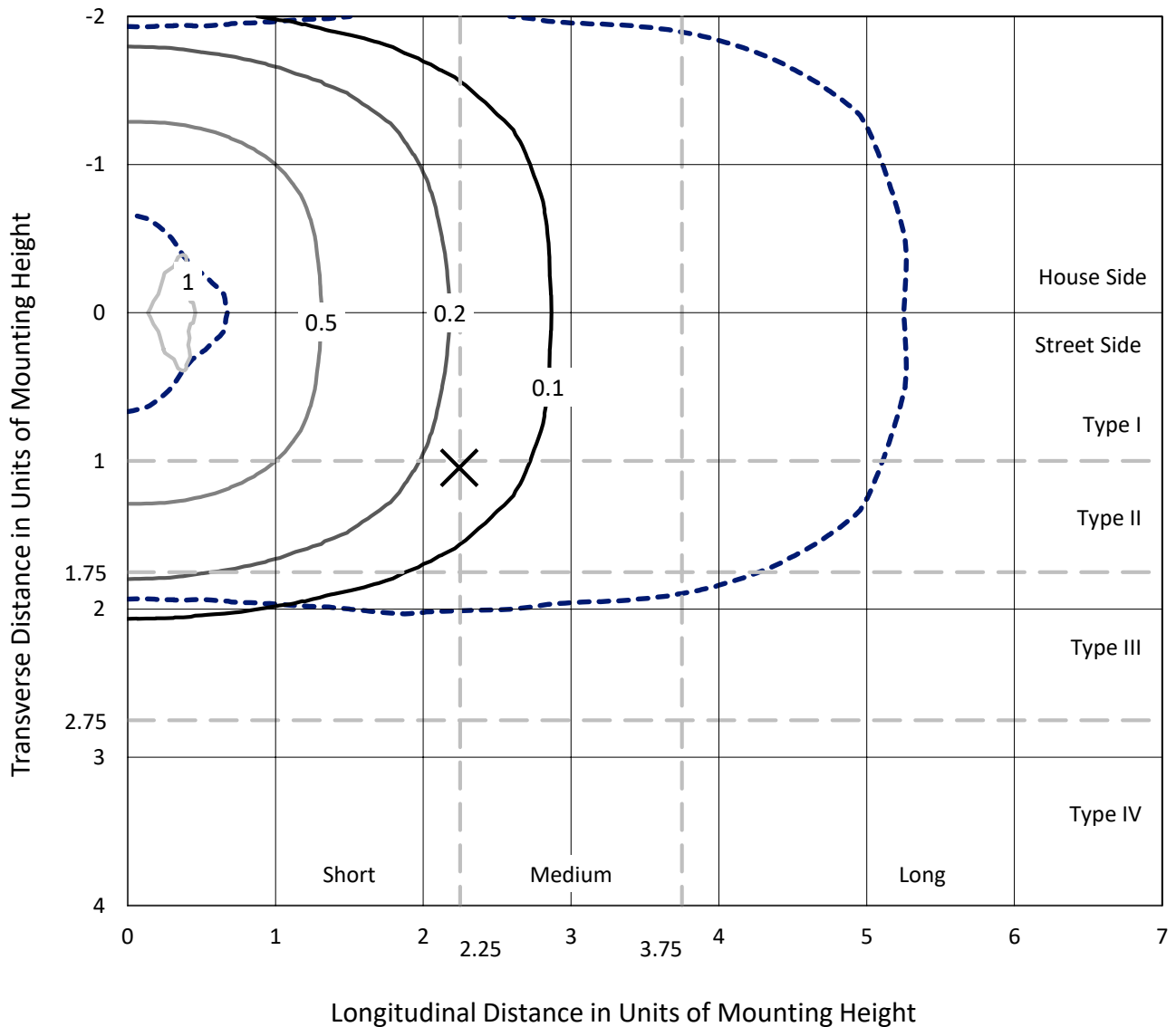
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

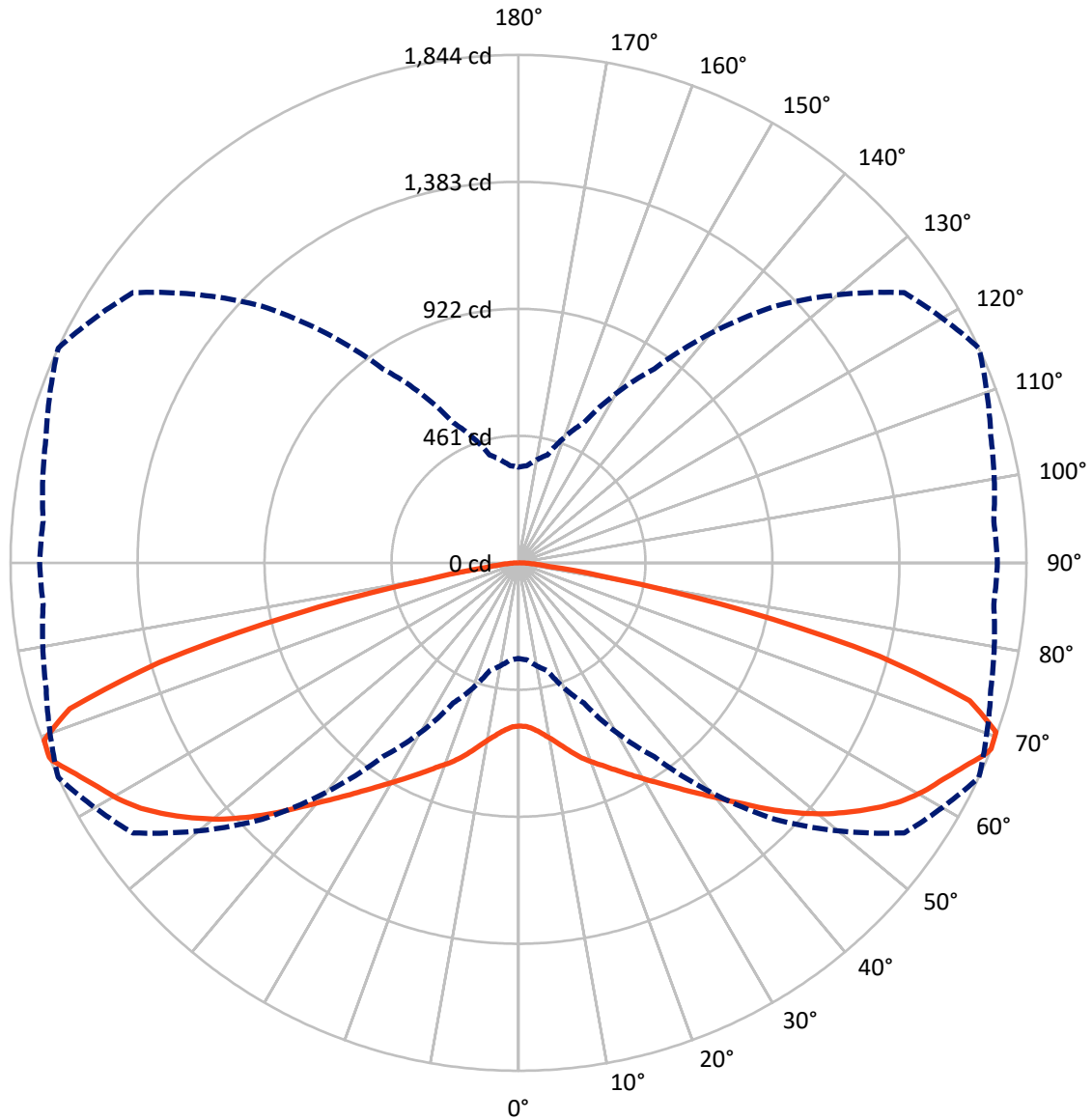
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	2848.7	0.0	2848.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2848.7	0.0	2848.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5697.3	0.0	5697.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	1.0
10°-20°	194.2	3.4
20°-30°	378.7	6.6
30°-40°	636.1	11.2
40°-50°	1002.3	17.6
50°-60°	1340.4	23.5
60°-70°	1303.0	22.9
70°-80°	712.3	12.5
80°-90°	72.4	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°	5697.3	100.0
0°-180°	5697.3	100.0

**Coefficient of Utilization**



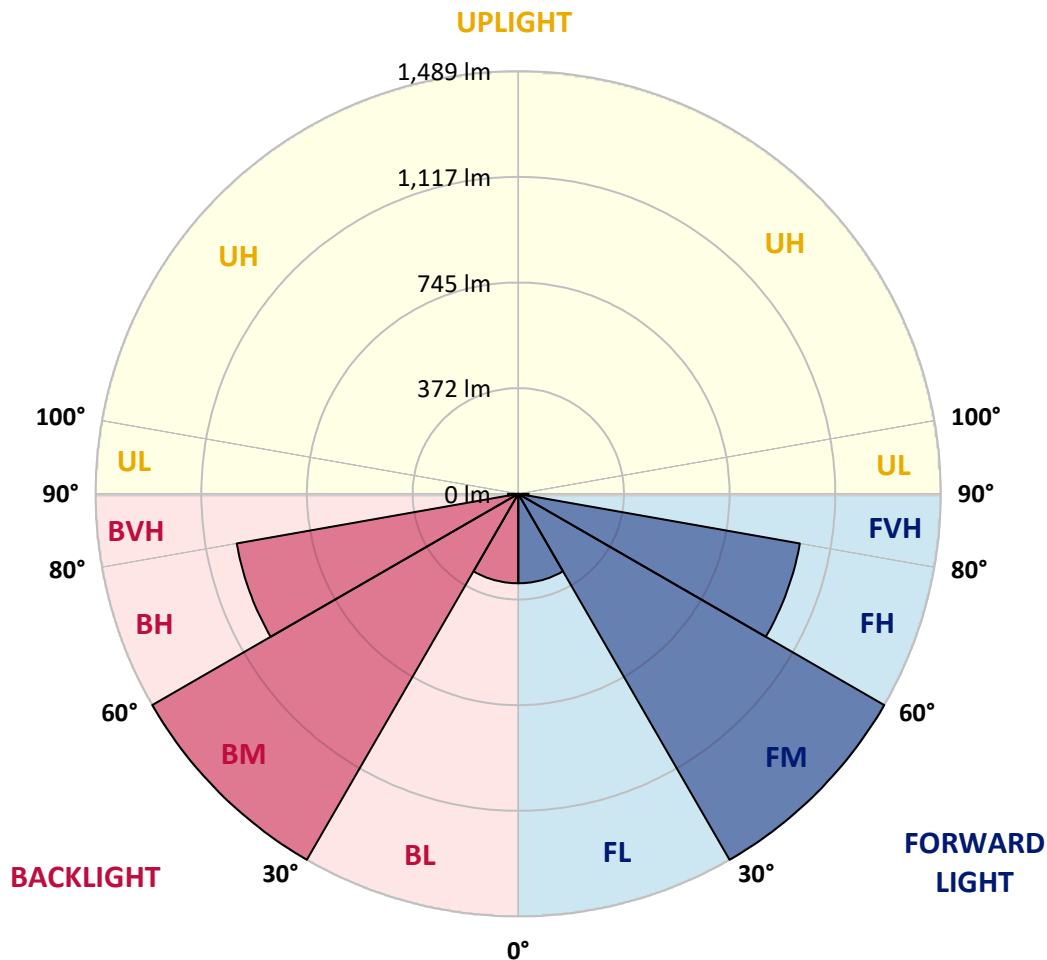
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.4	5.5			
FM (30°-60°)	1489.4	26.1			
FH (60°-80°)	1007.6	17.7			G1/1800
FVH (80°-90°)	36.2	0.6			G1/100
BL (0°-30°)	315.4	5.5	B1/500		
BM (30°-60°)	1489.4	26.1	B2/2500		
BH (60°-80°)	1007.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	36.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4	592.4
2.5°	588.2	588.4	589.3	590.5	591.4	594.0	594.5	595.4	595.8	596.7	596.7
5°	583.1	583.4	585.7	588.7	592.2	598.3	602.7	607.6	610.2	612.9	612.7
7.5°	582.5	583.4	586.7	591.6	597.4	607.5	616.7	626.6	633.3	639.4	639.0
10°	588.4	589.9	594.5	602.0	610.5	623.1	636.7	650.1	661.8	671.1	671.5
12.5°	597.4	599.3	606.5	617.8	630.8	647.1	663.1	678.2	694.2	708.2	709.3
15°	609.2	611.7	622.6	639.4	659.3	678.5	695.8	711.2	729.8	749.1	750.9
17.5°	626.7	630.2	644.5	667.3	693.4	714.7	732.6	744.3	759.8	779.6	783.2
20°	653.5	658.0	676.0	703.2	735.1	757.3	771.0	773.5	781.1	798.9	803.1
22.5°	688.3	692.1	712.4	744.7	780.4	804.4	811.7	801.8	801.0	815.3	819.3
25°	727.1	730.5	754.0	790.3	828.7	855.3	855.1	835.8	822.4	833.5	837.6
27.5°	770.6	776.0	798.5	836.7	877.8	904.0	902.4	872.7	847.2	850.1	853.8
30°	820.7	826.6	848.5	887.3	928.4	954.0	952.1	912.7	874.5	866.9	869.6
32.5°	882.7	889.8	910.7	948.9	985.1	1008.3	1002.7	956.3	907.4	890.7	893.3
35°	957.4	961.6	983.6	1021.3	1050.7	1066.5	1054.9	1006.7	949.1	929.0	929.0
37.5°	1033.1	1036.3	1061.0	1097.5	1126.0	1134.3	1111.6	1062.0	1003.5	975.1	975.6
40°	1105.7	1114.5	1142.2	1179.6	1207.7	1210.0	1179.8	1125.0	1064.0	1034.7	1038.0
42.5°	1181.6	1190.1	1223.2	1265.6	1290.4	1294.2	1258.9	1195.6	1132.5	1108.5	1112.4
45°	1249.1	1256.0	1294.2	1343.6	1374.5	1384.4	1342.5	1276.7	1206.4	1183.1	1184.0
47.5°	1296.3	1305.3	1347.4	1405.4	1450.5	1465.8	1424.7	1355.6	1279.1	1250.9	1253.4
50°	1339.1	1343.9	1386.5	1450.0	1507.2	1538.7	1503.6	1433.5	1352.7	1322.7	1325.4
52.5°	1363.0	1369.1	1410.4	1476.5	1544.3	1595.1	1573.8	1503.6	1423.8	1394.5	1397.8
55°	1346.4	1351.0	1400.5	1482.4	1567.2	1629.9	1633.1	1572.2	1493.5	1467.9	1477.1
57.5°	1270.7	1276.5	1336.9	1444.2	1570.1	1653.4	1677.8	1635.8	1558.7	1537.8	1543.2
60°	1152.5	1156.1	1220.5	1341.2	1514.3	1663.1	1706.3	1687.8	1622.5	1601.6	1608.9
62.5°	941.8	947.1	1024.1	1186.0	1396.5	1634.3	1733.8	1730.7	1681.8	1662.7	1669.2
65°	643.8	653.1	738.3	942.9	1214.7	1546.0	1758.9	1780.8	1734.4	1710.3	1718.9
67.5°	388.7	395.6	457.3	622.6	929.6	1368.0	1733.1	1837.8	1771.4	1732.7	1739.8
68°	347.5	353.8	405.4	561.8	859.8	1317.8	1709.6	1844.2	1775.4	1732.3	1738.5
70°	210.0	214.2	248.7	347.3	573.3	1045.3	1549.3	1838.9	1801.1	1737.6	1741.2
72.5°	136.8	138.1	143.8	178.2	292.9	584.5	1162.9	1713.6	1839.4	1768.7	1768.2
75°	113.6	112.9	113.5	117.5	144.4	256.4	679.5	1353.6	1753.5	1719.6	1707.6
77.5°	96.0	95.5	95.3	95.5	96.7	123.8	294.9	843.2	1341.8	1521.2	1531.9
80°	77.8	76.9	79.5	78.3	74.9	76.9	123.6	350.7	632.5	680.5	637.6
82.5°	56.5	53.7	64.4	61.3	58.5	54.2	68.2	113.3	150.9	103.5	72.8
85°	43.6	40.5	48.9	46.9	40.1	27.7	40.5	55.4	61.1	34.9	27.5
87.5°	17.8	18.7	35.3	27.9	23.5	13.4	16.6	22.2	29.8	14.9	11.5
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)