

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: P382771

Luminaire Tested: **GLEON-SA1C-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382771  
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-SA1C-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7051.8 lumens  
Efficiency: N/A  
Efficacy: 119.5 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

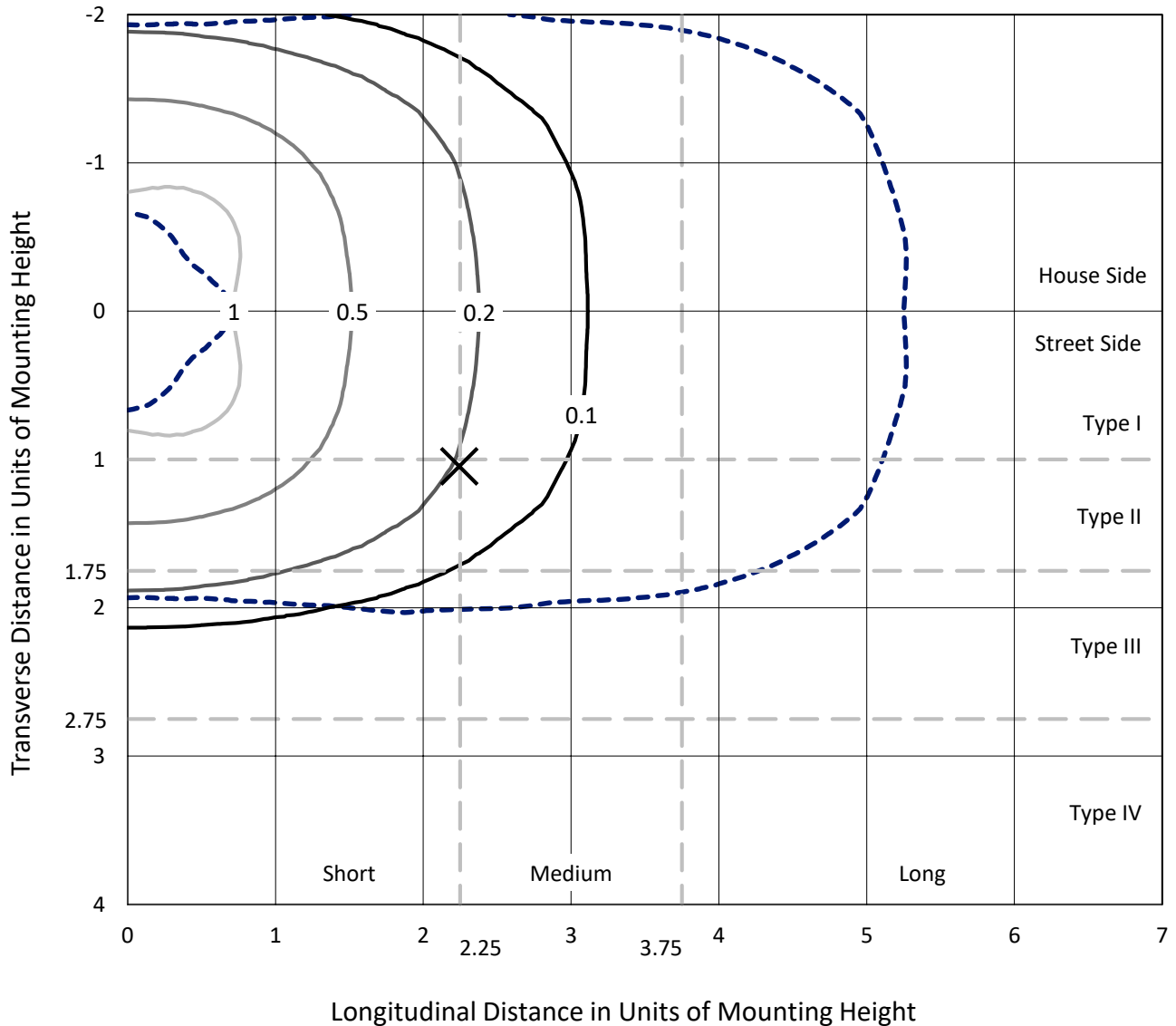
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

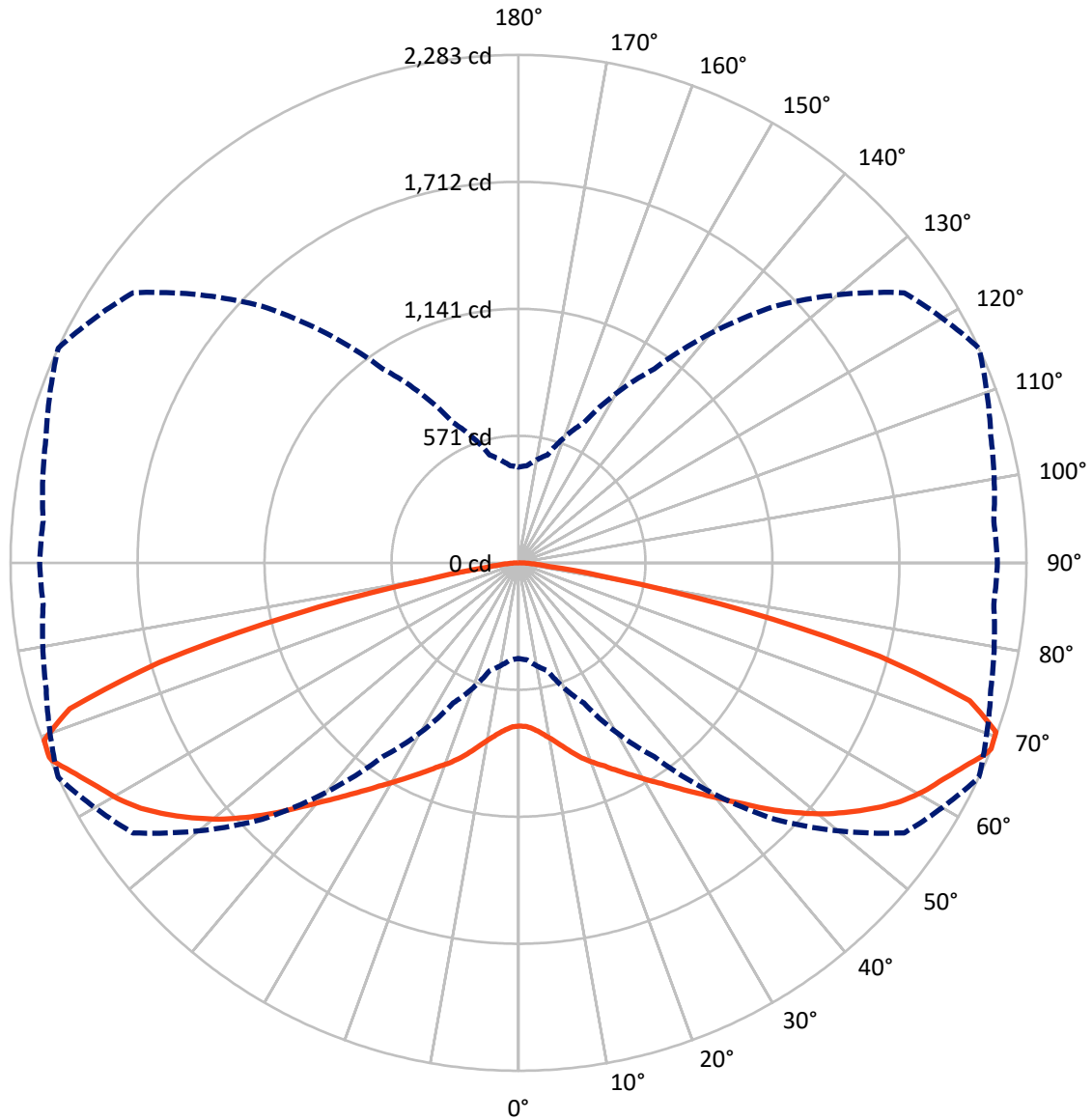
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3525.9	0.0	3525.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3525.9	0.0	3525.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7051.8	0.0	7051.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.8	1.0
10°-20°	240.4	3.4
20°-30°	468.7	6.6
30°-40°	787.3	11.2
40°-50°	1240.6	17.6
50°-60°	1659.0	23.5
60°-70°	1612.8	22.9
70°-80°	881.6	12.5
80°-90°	89.7	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°	7051.8	100.0
0°-180°	7051.8	100.0

**Coefficient of Utilization**



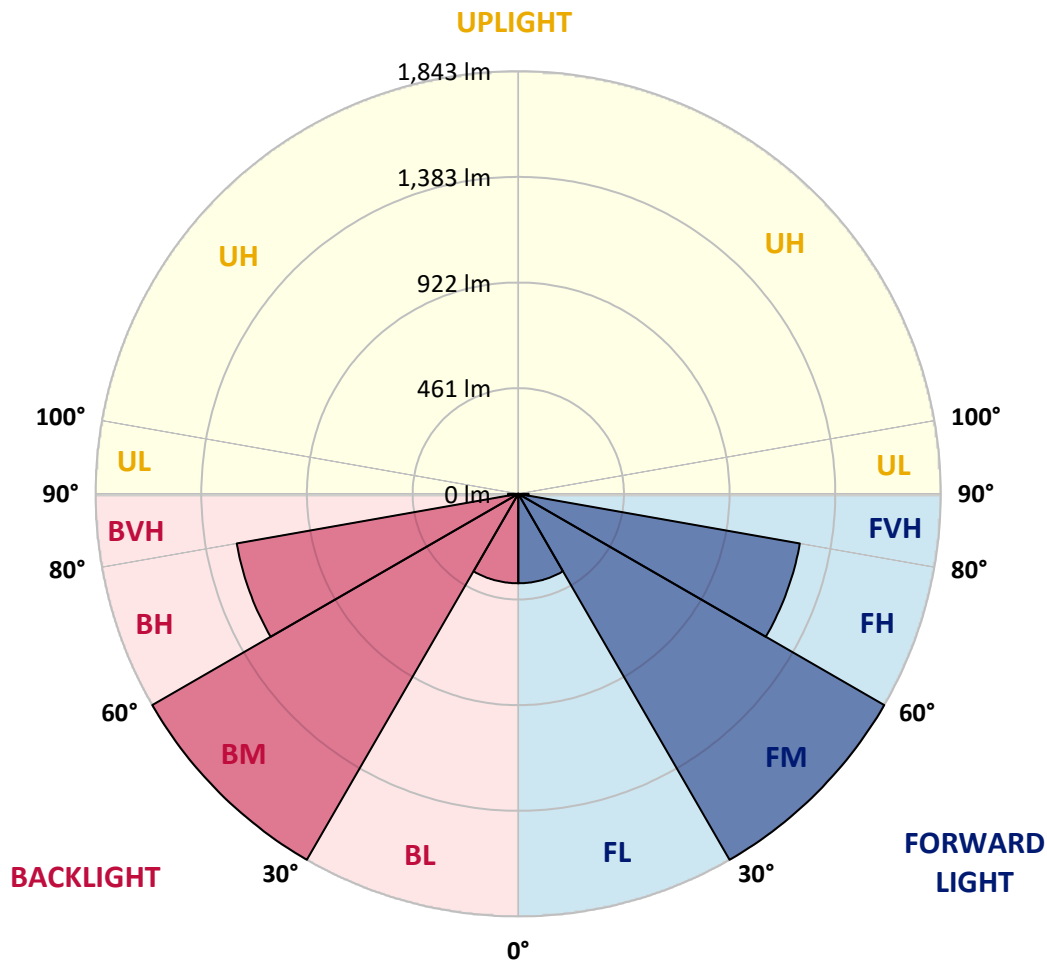
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.4	5.5			
FM (30°-60°)	1843.5	26.1			
FH (60°-80°)	1247.2	17.7			G1/1800
FVH (80°-90°)	44.8	0.6			G1/100
BL (0°-30°)	390.4	5.5	B1/500		
BM (30°-60°)	1843.5	26.1	B2/2500		
BH (60°-80°)	1247.2	17.7	B3/2500		G3/2500
BVH (80°-90°)	44.8	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°	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2
2.5°	728.0	728.3	729.4	730.9	732.0	735.1	735.8	737.0	737.5	738.6	738.6
5°	721.7	722.1	724.9	728.7	732.9	740.6	746.0	752.1	755.2	758.6	758.3
7.5°	720.9	722.1	726.1	732.3	739.4	751.9	763.2	775.5	783.8	791.3	790.9
10°	728.3	730.1	735.8	745.1	755.7	771.3	788.1	804.7	819.0	830.7	831.1
12.5°	739.4	741.7	750.7	764.7	780.7	800.9	820.7	839.4	859.3	876.5	877.9
15°	754.0	757.1	770.6	791.3	815.9	839.9	861.1	880.3	903.2	927.1	929.5
17.5°	775.8	780.1	797.8	825.9	858.3	884.5	906.8	921.2	940.3	964.9	969.5
20°	808.9	814.4	836.8	870.3	909.8	937.3	954.3	957.4	966.9	988.8	994.1
22.5°	851.9	856.7	881.7	921.7	965.9	995.6	1004.7	992.4	991.4	1009.1	1014.1
25°	899.9	904.2	933.2	978.2	1025.7	1058.6	1058.3	1034.5	1017.9	1031.6	1036.8
27.5°	953.8	960.4	988.4	1035.6	1086.5	1118.9	1117.0	1080.1	1048.6	1052.2	1056.7
30°	1015.8	1023.1	1050.3	1098.3	1149.2	1180.8	1178.4	1129.8	1082.5	1073.0	1076.3
32.5°	1092.6	1101.4	1127.2	1174.4	1219.4	1248.0	1241.1	1183.6	1123.2	1102.6	1105.7
35°	1185.1	1190.2	1217.4	1264.0	1300.4	1320.1	1305.7	1246.0	1174.7	1149.8	1149.8
37.5°	1278.7	1282.7	1313.2	1358.4	1393.6	1404.0	1375.9	1314.4	1242.0	1206.8	1207.6
40°	1368.5	1379.4	1413.7	1460.1	1494.9	1497.6	1460.3	1392.5	1317.0	1280.6	1284.9
42.5°	1462.4	1473.1	1514.0	1566.5	1597.2	1601.9	1558.2	1479.9	1401.7	1372.1	1376.8
45°	1546.1	1554.7	1601.9	1662.9	1701.2	1713.5	1661.8	1580.2	1493.2	1464.3	1465.5
47.5°	1604.5	1615.7	1667.7	1739.6	1795.4	1814.3	1763.4	1677.8	1583.3	1548.2	1551.3
50°	1657.5	1663.4	1716.1	1794.6	1865.6	1904.5	1861.0	1774.3	1674.3	1637.2	1640.5
52.5°	1687.0	1694.6	1745.7	1827.5	1911.4	1974.3	1947.9	1861.0	1762.2	1726.1	1730.1
55°	1666.4	1672.1	1733.4	1834.9	1939.9	2017.4	2021.4	1946.0	1848.6	1816.9	1828.3
57.5°	1572.8	1579.9	1654.6	1787.5	1943.4	2046.4	2076.7	2024.7	1929.1	1903.4	1910.0
60°	1426.5	1431.0	1510.7	1660.1	1874.3	2058.5	2111.9	2089.0	2008.1	1982.3	1991.4
62.5°	1165.6	1172.3	1267.6	1467.8	1728.4	2022.8	2146.0	2142.2	2081.6	2058.1	2066.1
65°	796.8	808.4	913.8	1167.1	1503.6	1913.6	2176.9	2204.1	2146.7	2116.9	2127.6
67.5°	481.1	489.7	566.0	770.6	1150.6	1693.2	2145.1	2274.7	2192.6	2144.6	2153.4
68°	430.1	437.9	501.7	695.4	1064.3	1631.0	2116.0	2282.7	2197.5	2144.1	2151.9
70°	259.9	265.0	307.9	429.8	709.6	1293.8	1917.6	2276.1	2229.2	2150.8	2155.2
72.5°	169.3	170.9	178.0	220.6	362.5	723.5	1439.2	2120.9	2276.8	2189.2	2188.6
75°	140.7	139.7	140.5	145.4	178.8	317.3	841.0	1675.5	2170.3	2128.5	2113.6
77.5°	119.0	118.2	118.0	118.2	119.6	153.2	365.1	1043.7	1660.8	1882.8	1896.1
80°	96.2	95.3	98.4	97.0	92.7	95.3	153.0	434.1	782.9	842.2	789.3
82.5°	70.0	66.4	79.6	75.9	72.4	67.2	84.4	140.2	186.8	128.2	90.1
85°	53.9	50.1	60.6	58.1	49.7	34.3	50.1	68.6	75.6	43.2	34.1
87.5°	22.0	23.2	43.8	34.6	29.1	16.6	20.6	27.4	36.9	18.4	14.2
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)