

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: P382855

Luminaire Tested: **GLEON-SA2B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382855
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-SA2B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11133.8 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

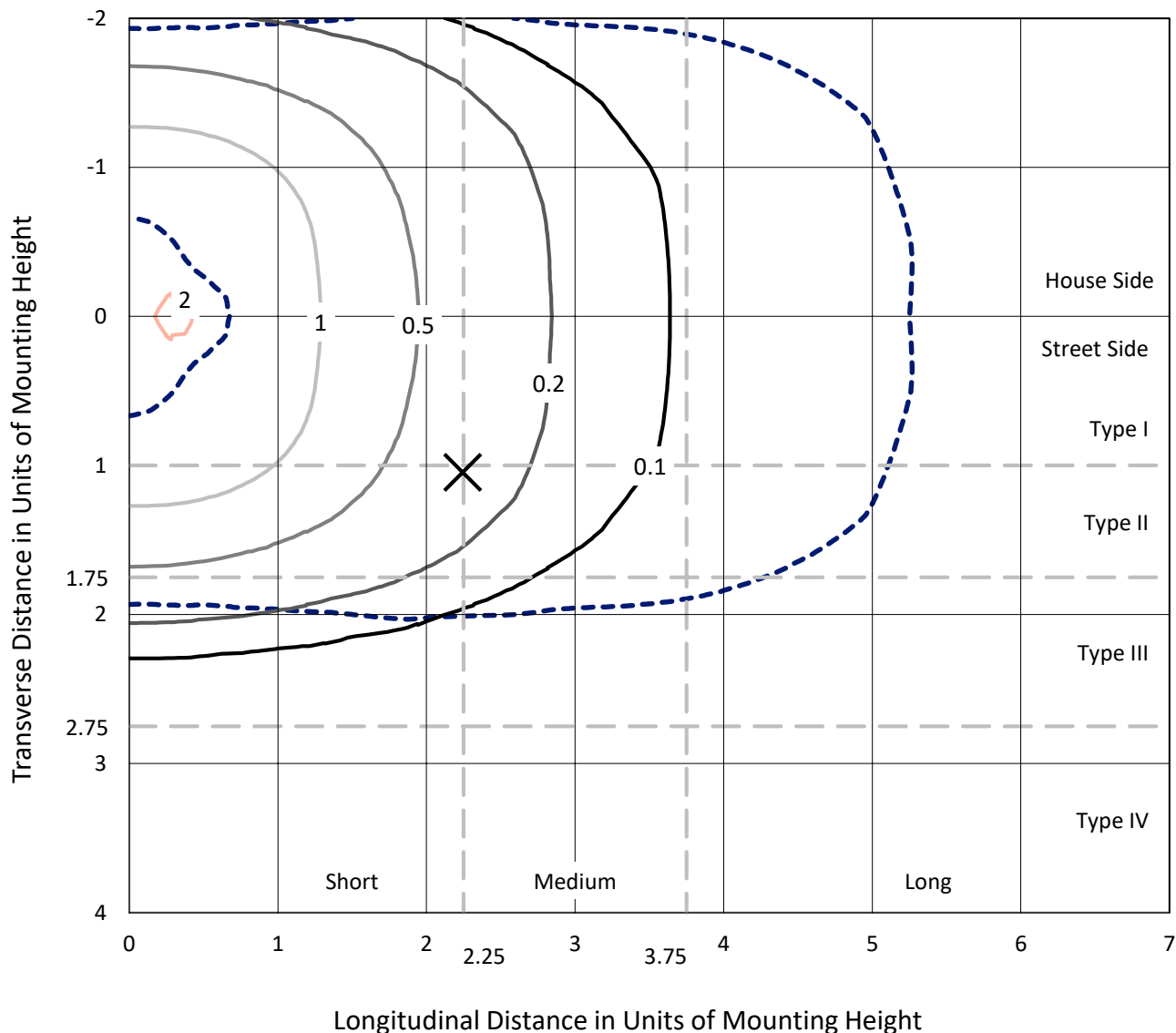
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

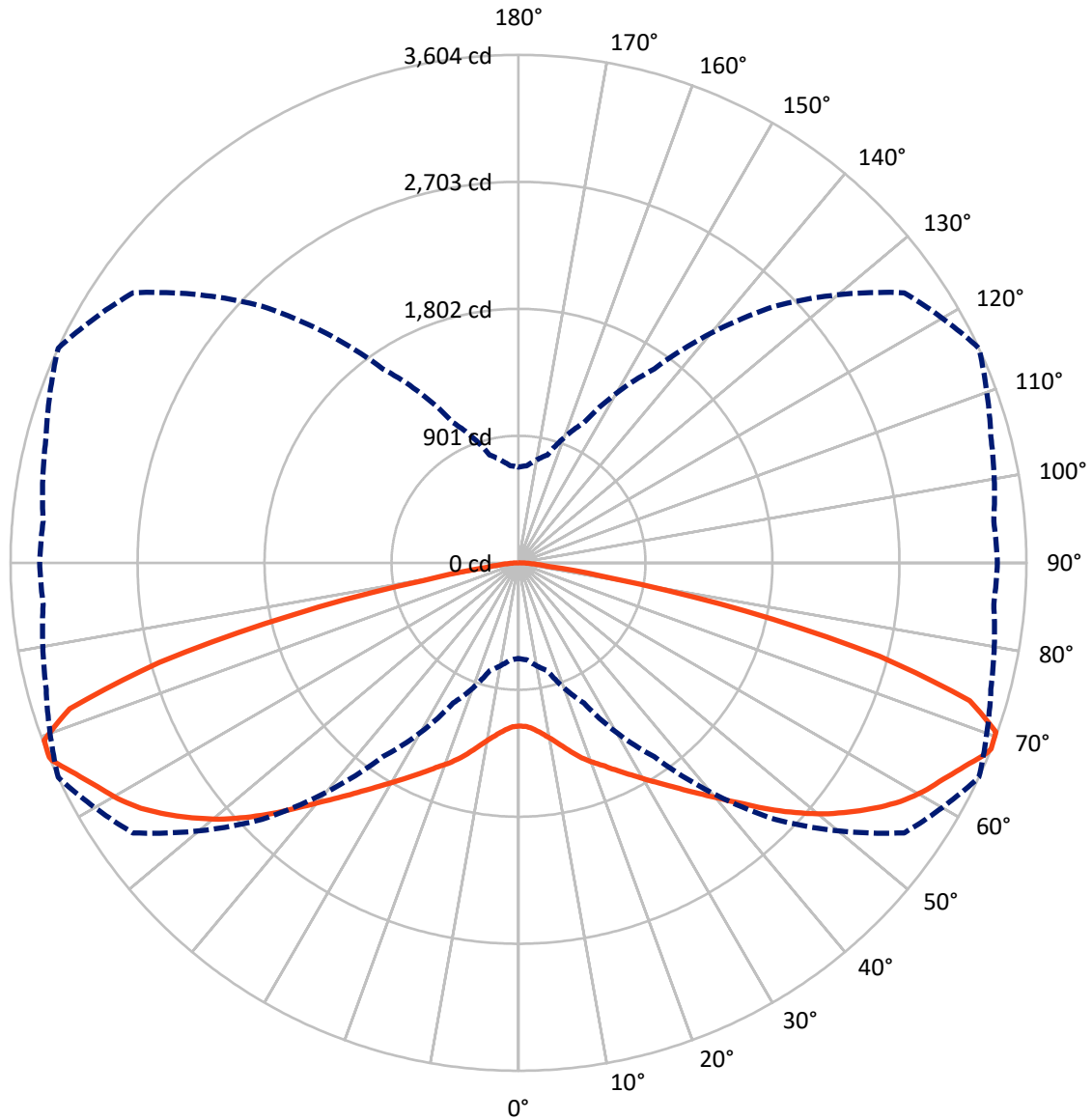
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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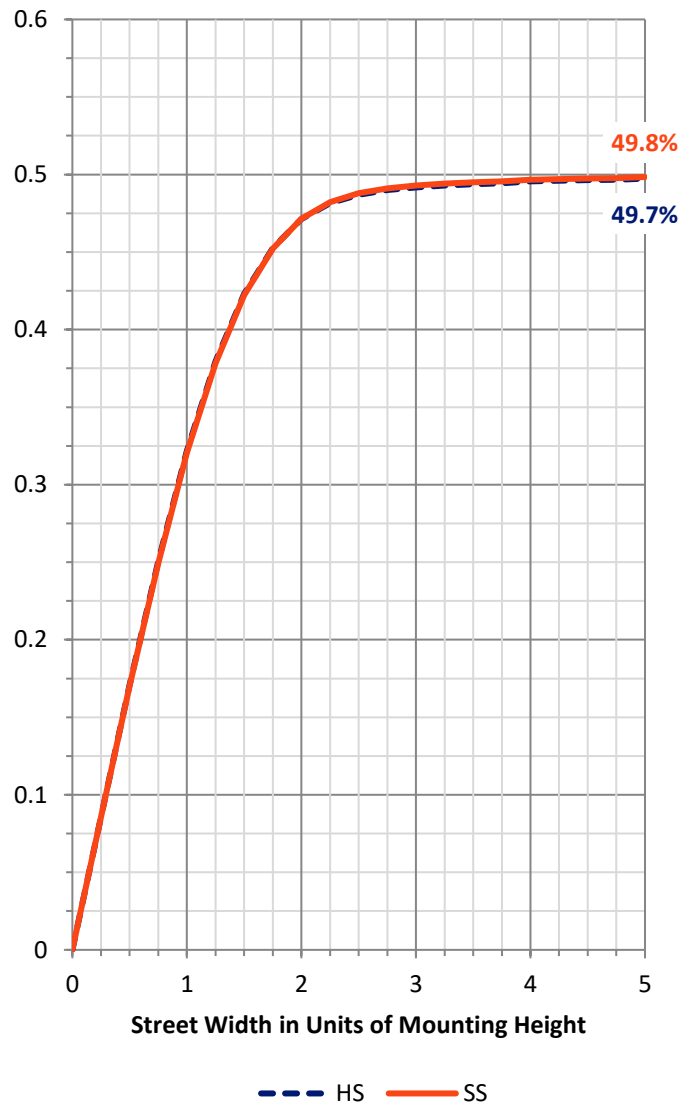
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5566.9	0.0	5566.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5566.9	0.0	5566.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11133.8	0.0	11133.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.0
10°-20°	379.5	3.4
20°-30°	740.0	6.6
30°-40°	1243.1	11.2
40°-50°	1958.7	17.6
50°-60°	2619.4	23.5
60°-70°	2546.4	22.9
70°-80°	1392.0	12.5
80°-90°	141.6	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°	11133.8	100.0
0°-180°	11133.8	100.0

Coefficient of Utilization

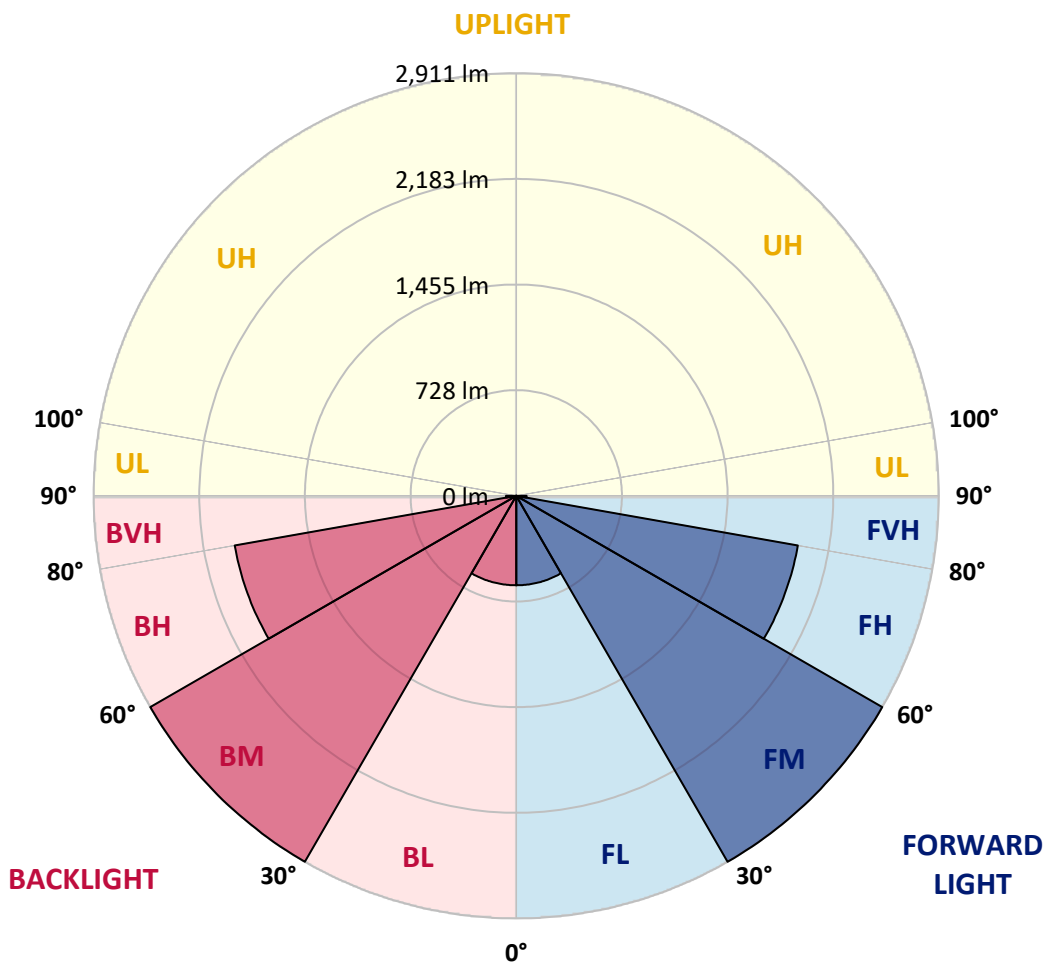


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.4	5.5			
FM (30°-60°)	2910.6	26.1			
FH (60°-80°)	1969.2	17.7			G2/5000
FVH (80°-90°)	70.8	0.6			G1/100
BL (0°-30°)	616.4	5.5	B2/1000		
BM (30°-60°)	2910.6	26.1	B3/5000		
BH (60°-80°)	1969.2	17.7	B3/2500		G3/2500
BVH (80°-90°)	70.8	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°	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1149.4	1149.8	1151.7	1153.9	1155.8	1160.6	1161.7	1163.6	1164.3	1166.2	1166.2
5°	1139.4	1140.1	1144.6	1150.6	1157.3	1169.3	1177.8	1187.5	1192.4	1197.6	1197.2
7.5°	1138.3	1140.1	1146.5	1156.1	1167.3	1187.2	1205.0	1224.5	1237.6	1249.5	1248.7
10°	1149.8	1152.8	1161.7	1176.4	1193.1	1217.7	1244.3	1270.4	1293.2	1311.4	1312.2
12.5°	1167.3	1171.1	1185.3	1207.3	1232.7	1264.4	1295.8	1325.3	1356.6	1383.9	1386.1
15°	1190.5	1195.4	1216.6	1249.5	1288.3	1326.1	1359.6	1389.9	1426.1	1463.7	1467.5
17.5°	1224.9	1231.6	1259.5	1304.0	1355.1	1396.6	1431.7	1454.4	1484.7	1523.5	1530.6
20°	1277.2	1285.7	1321.2	1374.2	1436.5	1479.9	1506.7	1511.5	1526.5	1561.2	1569.5
22.5°	1345.1	1352.5	1392.1	1455.2	1525.0	1572.1	1586.2	1566.8	1565.3	1593.3	1601.1
25°	1420.9	1427.6	1473.5	1544.4	1619.5	1671.4	1671.0	1633.3	1607.1	1628.8	1637.0
27.5°	1505.9	1516.4	1560.4	1635.1	1715.4	1766.6	1763.5	1705.3	1655.6	1661.2	1668.4
30°	1603.8	1615.3	1658.2	1734.1	1814.3	1864.3	1860.6	1783.7	1709.0	1694.1	1699.3
32.5°	1725.1	1738.9	1779.6	1854.2	1925.2	1970.4	1959.5	1868.9	1773.3	1740.8	1745.6
35°	1871.1	1879.3	1922.2	1995.7	2053.2	2084.2	2061.4	1967.4	1854.6	1815.4	1815.4
37.5°	2018.9	2025.3	2073.4	2144.7	2200.3	2216.8	2172.4	2075.3	1961.0	1905.4	1906.5
40°	2160.7	2178.0	2232.1	2305.2	2360.1	2364.6	2305.6	2198.5	2079.4	2021.9	2028.6
42.5°	2308.9	2325.8	2390.4	2473.3	2521.8	2529.2	2460.1	2336.6	2213.0	2166.4	2173.9
45°	2441.1	2454.5	2529.2	2625.6	2686.0	2705.4	2623.7	2494.9	2357.5	2311.9	2313.9
47.5°	2533.3	2550.9	2633.0	2746.5	2834.6	2864.5	2784.2	2649.0	2499.7	2444.5	2449.3
50°	2617.0	2626.3	2709.5	2833.5	2945.5	3007.0	2938.4	2801.3	2643.5	2584.9	2590.1
52.5°	2663.7	2675.6	2756.2	2885.4	3017.9	3117.2	3075.4	2938.4	2782.3	2725.2	2731.6
55°	2631.2	2640.1	2736.8	2896.9	3062.7	3185.1	3191.5	3072.4	2918.6	2868.6	2886.5
57.5°	2483.3	2494.5	2612.5	2822.3	3068.3	3231.1	3278.9	3196.7	3045.9	3005.2	3015.7
60°	2252.2	2259.3	2385.1	2621.1	2959.2	3250.1	3334.5	3298.2	3170.6	3129.9	3144.1
62.5°	1840.5	1850.9	2001.3	2317.6	2729.0	3193.7	3388.2	3382.3	3286.7	3249.3	3262.1
65°	1258.1	1276.4	1442.9	1842.7	2374.0	3021.3	3437.1	3480.1	3389.3	3342.3	3359.2
67.5°	759.7	773.2	893.7	1216.6	1816.6	2673.4	3386.7	3591.3	3461.8	3386.0	3399.8
68°	679.1	691.4	792.2	1097.9	1680.3	2575.2	3340.8	3604.0	3469.6	3385.2	3397.5
70°	410.3	418.5	486.1	678.7	1120.4	2042.8	3027.6	3593.5	3519.7	3395.7	3402.8
72.5°	267.3	269.9	281.1	348.3	572.3	1142.4	2272.4	3348.6	3594.7	3456.5	3455.4
75°	222.1	220.6	221.7	229.6	282.3	501.0	1327.9	2645.3	3426.7	3360.7	3337.1
77.5°	187.8	186.7	186.3	186.7	188.9	241.9	576.4	1647.8	2622.2	2972.8	2993.6
80°	151.9	150.4	155.3	153.1	146.3	150.4	241.6	685.4	1236.1	1329.8	1246.1
82.5°	110.5	104.9	125.9	119.8	114.2	106.0	133.3	221.3	294.9	202.3	142.2
85°	85.1	79.2	95.6	91.9	78.4	54.1	79.2	108.2	119.4	68.3	53.8
87.5°	34.7	36.6	69.0	54.5	45.9	26.2	32.5	43.3	58.2	29.2	22.4
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)