

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: P382883

Luminaire Tested: **GLEON-SA2C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382883
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-SA2C-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13780.4 lumens
Efficiency: N/A
Efficacy: 122.0 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): 113
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

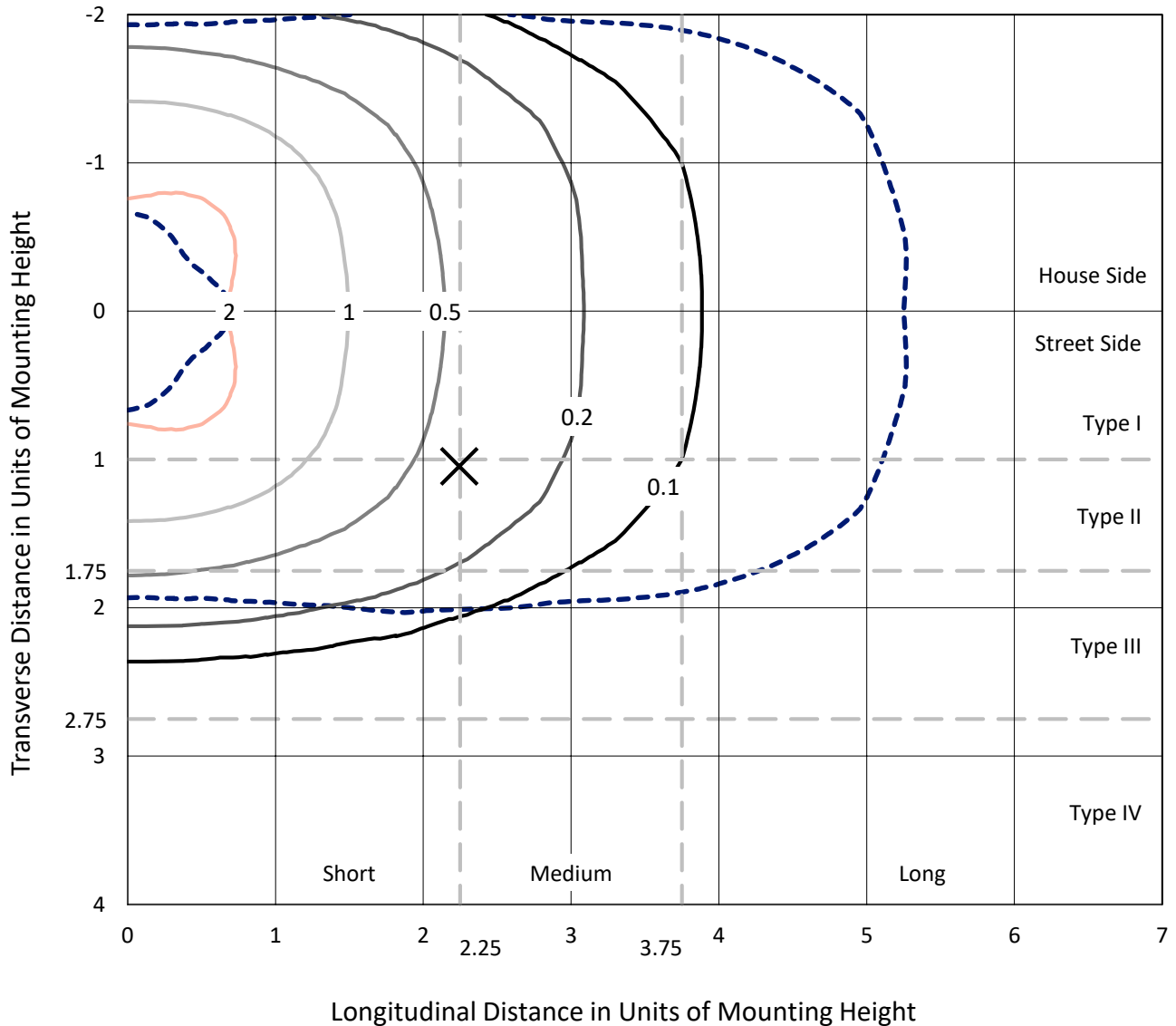




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Iso-Footcandle Lines of Horizontal Illumination

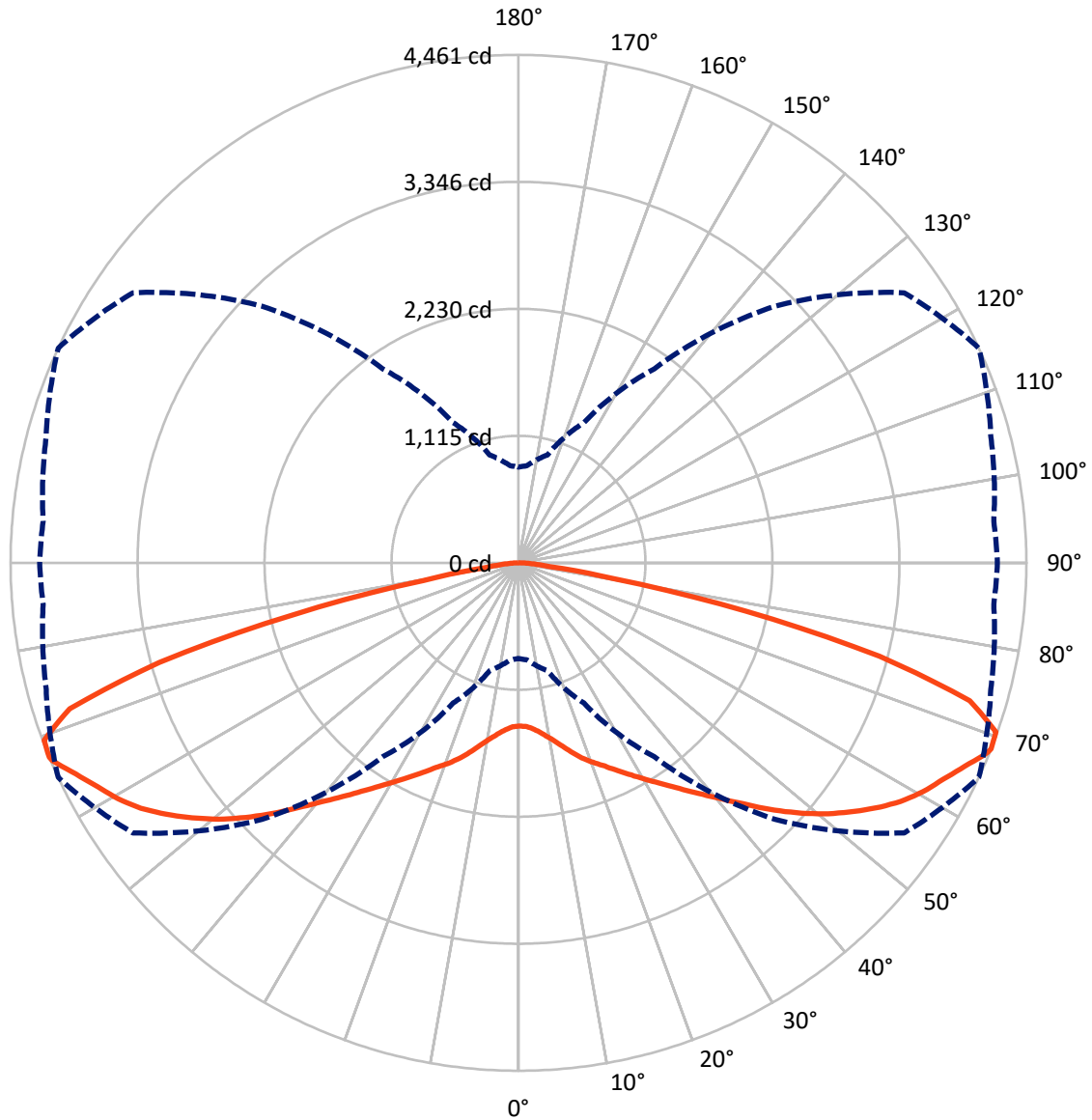
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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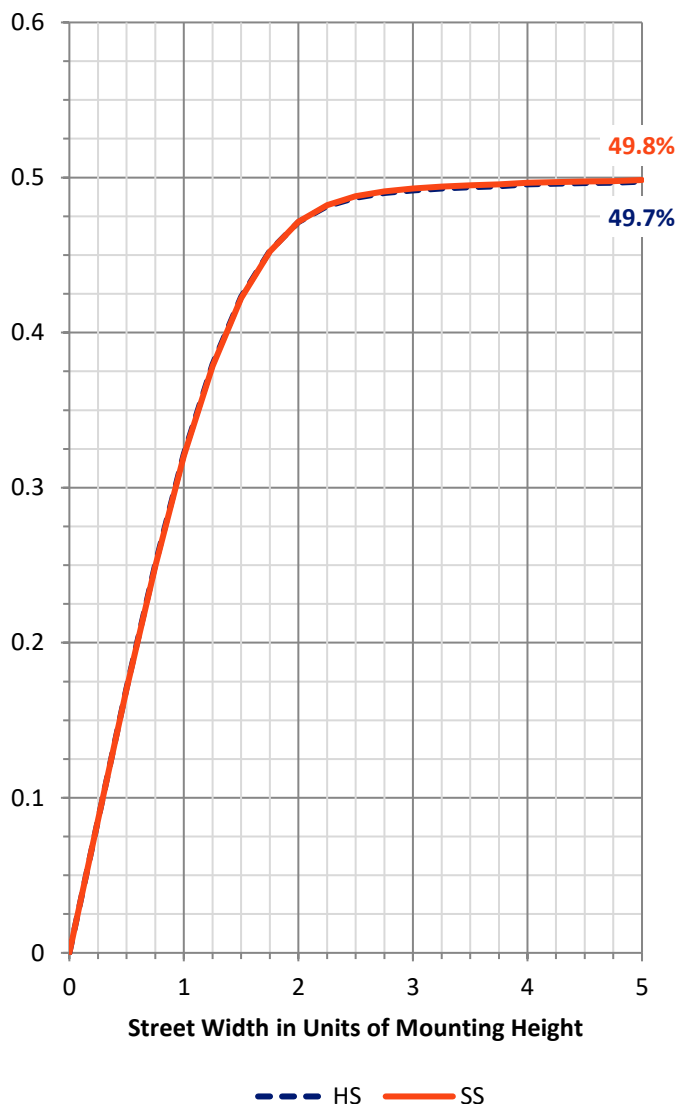
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6890.2	0.0	6890.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6890.2	0.0	6890.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13780.4	0.0	13780.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	1.0
10°-20°	469.7	3.4
20°-30°	915.9	6.6
30°-40°	1538.6	11.2
40°-50°	2424.2	17.6
50°-60°	3242.0	23.5
60°-70°	3151.6	22.9
70°-80°	1722.8	12.5
80°-90°	175.2	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°	13780.4	100.0
0°-180°	13780.4	100.0

Coefficient of Utilization



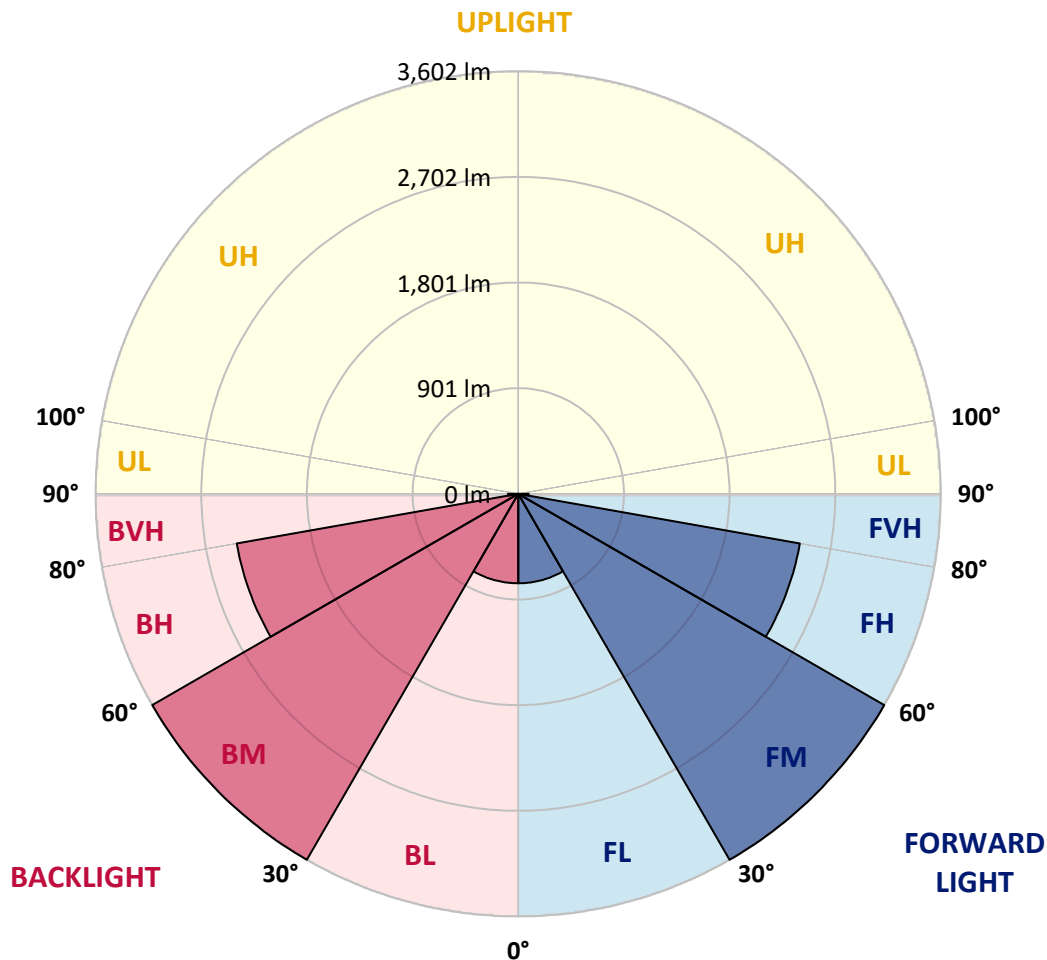
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.9	5.5			
FM (30°-60°)	3602.4	26.1			
FH (60°-80°)	2437.2	17.7			G2/5000
FVH (80°-90°)	87.6	0.6			G1/100
BL (0°-30°)	762.9	5.5	B2/1000		
BM (30°-60°)	3602.4	26.1	B3/5000		
BH (60°-80°)	2437.2	17.7	B3/2500		G3/2500
BVH (80°-90°)	87.6	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°	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8
2.5°	1422.7	1423.1	1425.5	1428.2	1430.5	1436.5	1437.9	1440.3	1441.2	1443.4	1443.4
5°	1410.2	1411.1	1416.7	1424.1	1432.3	1447.2	1457.8	1469.8	1475.9	1482.3	1481.8
7.5°	1408.8	1411.1	1418.9	1431.0	1444.8	1469.3	1491.5	1515.5	1531.7	1546.5	1545.6
10°	1423.1	1426.9	1437.9	1455.9	1476.7	1507.2	1540.0	1572.4	1600.6	1623.2	1624.2
12.5°	1444.8	1449.5	1467.0	1494.3	1525.7	1565.0	1603.8	1640.3	1679.1	1712.8	1715.6
15°	1473.5	1479.5	1505.8	1546.5	1594.5	1641.2	1682.8	1720.2	1765.1	1811.8	1816.3
17.5°	1516.0	1524.3	1558.9	1614.0	1677.3	1728.6	1772.0	1800.2	1837.6	1885.6	1894.4
20°	1580.6	1591.4	1635.2	1700.8	1778.0	1831.6	1864.9	1870.8	1889.4	1932.3	1942.5
22.5°	1664.8	1674.0	1723.0	1801.1	1887.5	1945.7	1963.2	1939.2	1937.4	1972.1	1981.8
25°	1758.6	1766.9	1823.7	1911.5	2004.4	2068.6	2068.1	2021.5	1989.1	2016.0	2026.1
27.5°	1863.9	1876.9	1931.4	2023.8	2123.2	2186.4	2182.7	2110.7	2049.2	2056.1	2065.0
30°	1985.0	1999.3	2052.5	2146.3	2245.6	2307.5	2302.9	2207.7	2115.3	2096.8	2103.2
32.5°	2135.2	2152.2	2202.6	2295.1	2382.8	2438.7	2425.4	2313.0	2194.7	2154.6	2160.5
35°	2315.8	2326.0	2379.2	2470.2	2541.3	2579.6	2551.5	2435.1	2295.5	2247.0	2247.0
37.5°	2498.8	2506.6	2566.2	2654.5	2723.4	2743.7	2688.7	2568.6	2427.1	2358.3	2359.7
40°	2674.4	2695.6	2762.6	2853.2	2921.1	2926.6	2853.7	2721.1	2573.7	2502.5	2510.8
42.5°	2857.8	2878.6	2958.5	3061.2	3121.2	3130.5	3044.9	2892.0	2739.0	2681.3	2690.6
45°	3021.4	3038.1	3130.5	3249.6	3324.5	3348.5	3247.4	3087.9	2917.9	2861.5	2863.9
47.5°	3135.5	3157.2	3258.9	3399.3	3508.4	3545.4	3446.0	3278.8	3093.9	3025.6	3031.5
50°	3239.0	3250.5	3353.6	3507.0	3645.6	3721.9	3636.9	3467.3	3271.8	3199.3	3205.7
52.5°	3296.7	3311.6	3411.3	3571.3	3735.2	3858.2	3806.4	3636.9	3443.7	3373.0	3380.9
55°	3256.6	3267.7	3387.3	3585.5	3790.7	3942.2	3950.1	3802.8	3612.4	3550.4	3572.6
57.5°	3073.6	3087.4	3233.5	3493.1	3797.6	3999.1	4058.2	3956.6	3769.9	3719.6	3732.5
60°	2787.6	2796.3	2952.1	3244.1	3662.8	4022.7	4127.1	4082.2	3924.2	3873.8	3891.4
62.5°	2277.9	2290.9	2477.1	2868.4	3377.6	3952.9	4193.6	4186.2	4068.0	4021.8	4037.4
65°	1557.2	1579.8	1785.9	2280.7	2938.2	3739.4	4254.2	4307.3	4195.0	4136.8	4157.6
67.5°	940.3	956.9	1106.1	1505.8	2248.4	3308.8	4191.8	4445.0	4284.7	4190.8	4208.0
68°	840.4	855.7	980.5	1358.9	2079.7	3187.3	4135.0	4460.7	4294.3	4189.9	4205.2
70°	507.8	517.9	601.6	840.0	1386.6	2528.4	3747.2	4447.8	4356.3	4202.9	4211.6
72.5°	330.8	334.1	347.9	431.1	708.3	1413.9	2812.5	4144.6	4449.2	4278.1	4276.8
75°	274.9	273.0	274.4	284.1	349.3	620.0	1643.5	3274.1	4241.2	4159.5	4130.3
77.5°	232.4	231.0	230.6	231.0	233.8	299.4	713.4	2039.5	3245.5	3679.3	3705.2
80°	188.1	186.2	192.2	189.5	181.1	186.2	298.9	848.4	1529.9	1645.9	1542.4
82.5°	136.8	129.9	155.8	148.3	141.4	131.3	165.0	274.0	365.0	250.4	176.1
85°	105.4	98.0	118.3	113.6	97.1	67.0	98.0	134.0	147.8	84.6	66.5
87.5°	42.9	45.3	85.5	67.4	56.8	32.3	40.2	53.6	72.1	36.1	27.8
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)