

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: P382768

Luminaire Tested: **GLEON-SA1C-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
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-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7266.1 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

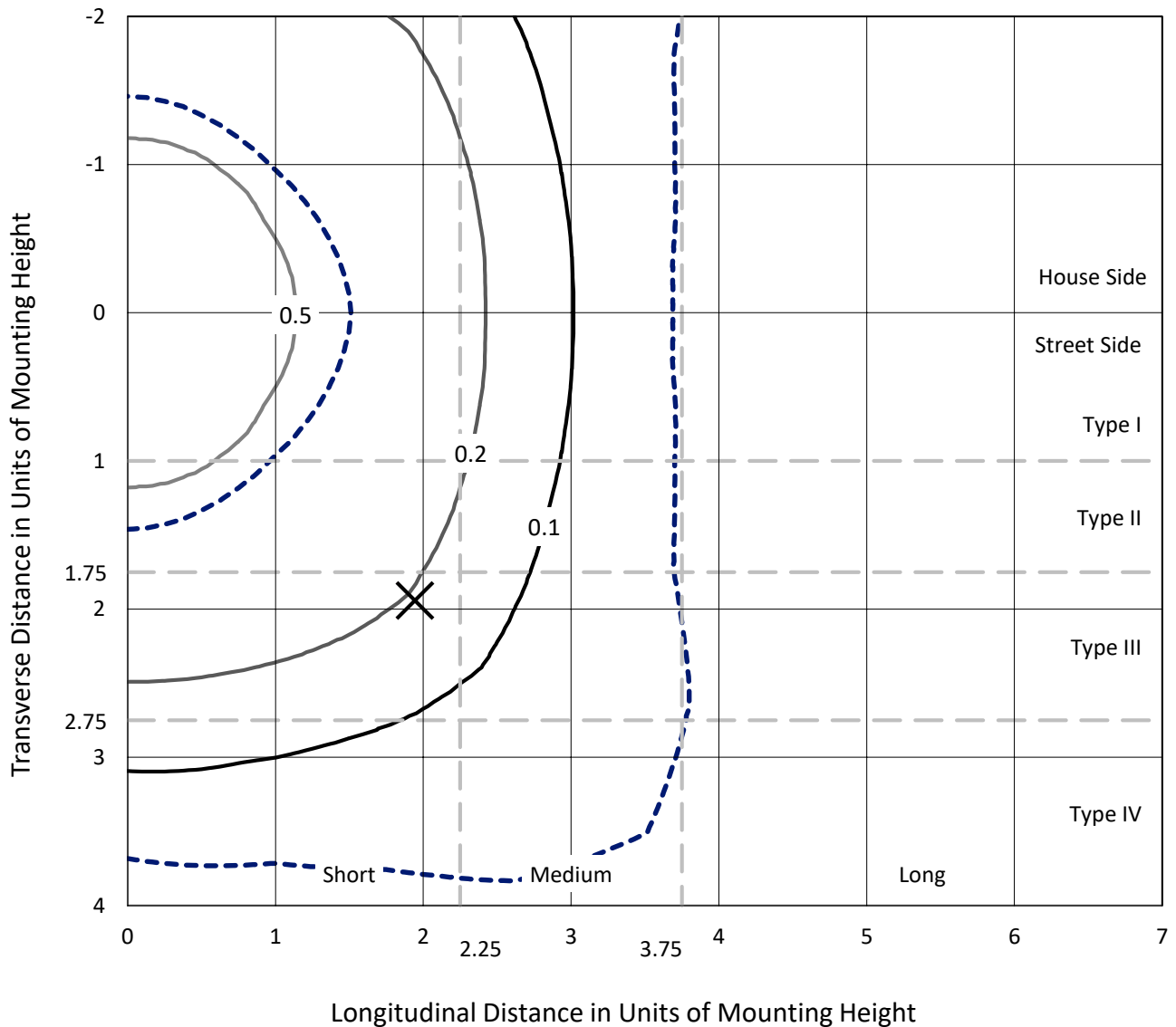
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

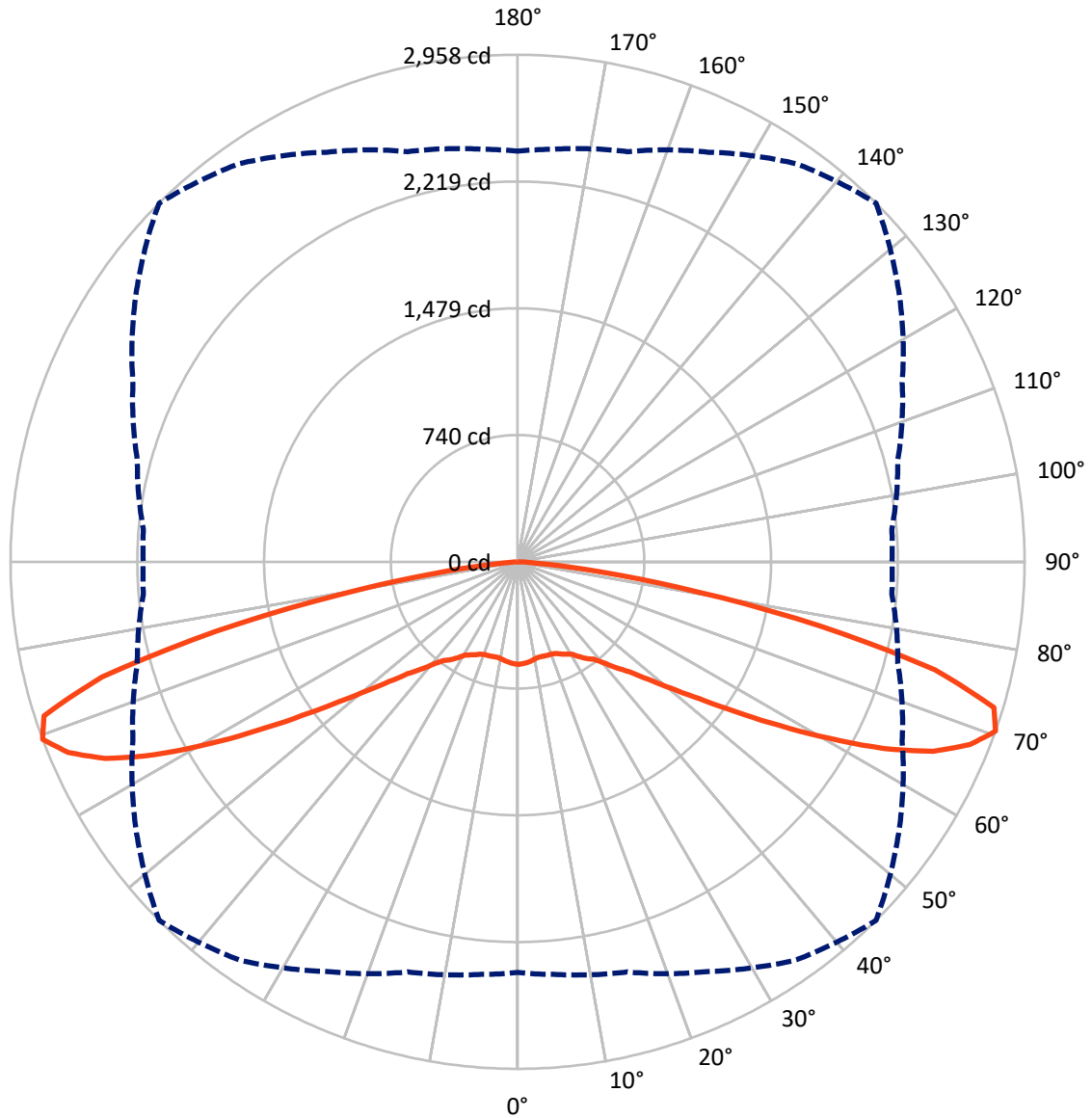
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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
House Side	Lumens	3633.0	0.0	3633.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3633.0	0.0	3633.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7266.1	0.0	7266.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	0.8
10°-20°	163.0	2.2
20°-30°	278.0	3.8
30°-40°	434.3	6.0
40°-50°	736.1	10.1
50°-60°	1342.3	18.5
60°-70°	2310.9	31.8
70°-80°	1811.4	24.9
80°-90°	134.3	1.8
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°	7266.1	100.0
0°-180°	7266.1	100.0

Coefficient of Utilization



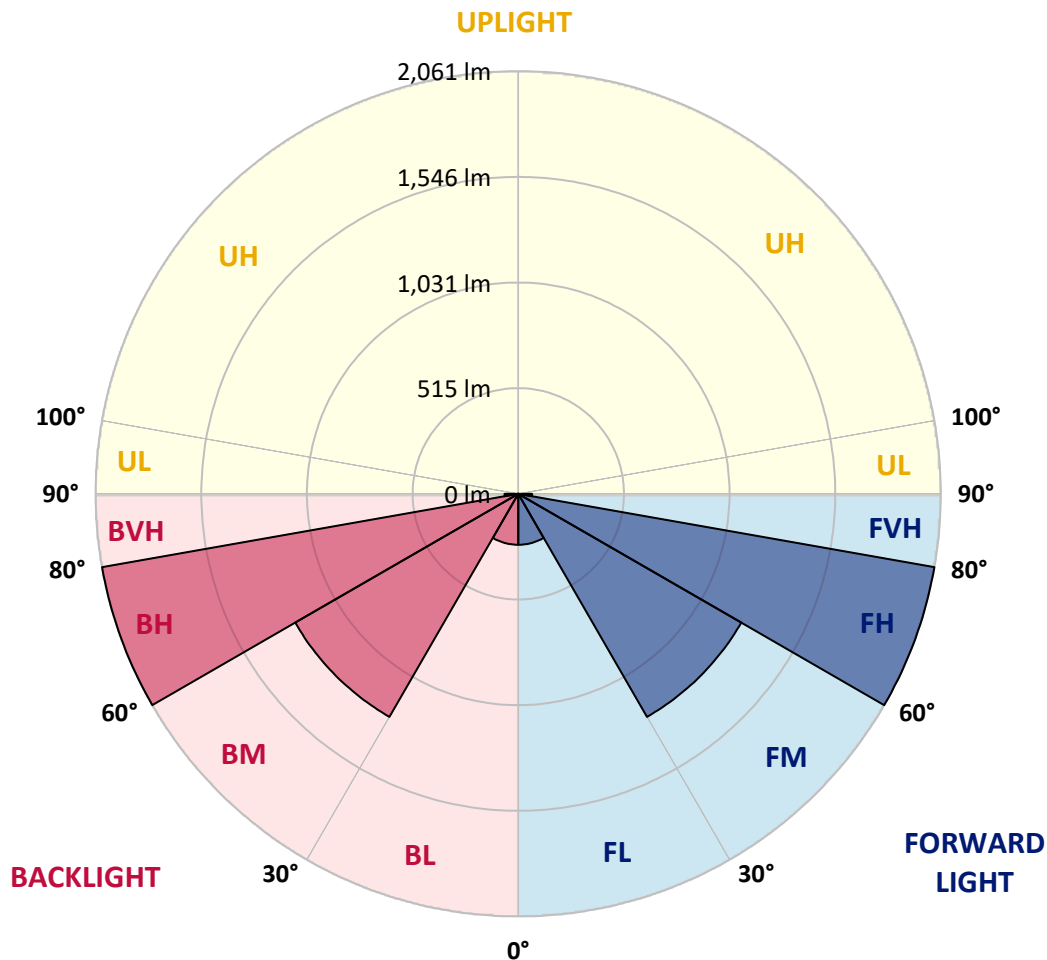
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.4	3.4			
FM (30°-60°)	1256.4	17.3			
FH (60°-80°)	2061.1	28.4			G2/5000
FVH (80°-90°)	67.2	0.9			G1/100
BL (0°-30°)	248.4	3.4	B1/500		
BM (30°-60°)	1256.4	17.3	B2/2500		
BH (60°-80°)	2061.1	28.4	B3/2500		G2/5000
BVH (80°-90°)	67.2	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	598.0	598.0	598.0	598.0	598.0	598.0	598.0	598.0	598.0	598.0	598.0
2.5°	595.4	596.1	595.4	595.8	594.6	595.1	595.1	595.1	594.9	595.1	594.6
5°	590.0	590.5	589.6	590.0	589.4	590.0	590.3	590.0	589.6	589.9	588.8
7.5°	582.1	582.6	581.9	582.6	581.7	582.9	582.6	581.9	581.2	581.2	580.2
10°	577.8	578.0	576.2	575.4	573.3	573.7	574.5	575.1	575.9	577.4	577.1
12.5°	578.0	578.0	575.1	572.1	568.9	569.6	570.9	573.5	576.3	579.0	579.2
15°	580.4	580.2	575.9	570.9	568.7	570.9	571.6	573.3	577.8	582.4	582.6
17.5°	582.1	582.1	575.4	569.6	569.4	572.7	572.5	573.3	578.3	585.0	585.3
20°	585.3	585.3	576.6	570.4	570.4	573.9	574.2	575.4	580.4	587.9	589.1
22.5°	592.2	592.5	583.3	578.3	578.8	580.9	581.7	583.6	588.2	596.3	597.8
25°	602.1	602.5	593.2	590.3	592.0	596.1	595.6	597.0	602.1	610.0	611.5
27.5°	615.8	614.5	606.0	604.8	606.4	609.3	609.0	609.3	613.4	620.6	622.3
30°	633.5	633.1	626.8	627.6	626.8	625.9	626.1	628.0	630.2	636.0	637.6
32.5°	650.9	651.3	647.5	651.2	656.4	660.0	654.5	649.2	646.8	649.9	651.3
35°	682.1	683.3	677.3	674.9	682.1	692.7	677.0	668.4	673.2	677.3	678.5
37.5°	735.3	735.9	725.9	716.3	711.0	721.0	705.5	706.1	723.0	730.7	730.4
40°	795.8	796.0	789.3	780.9	771.8	774.2	768.0	769.8	780.9	787.9	789.8
42.5°	867.9	867.2	856.7	844.6	841.9	844.4	833.8	832.3	845.1	857.6	857.9
45°	961.5	959.8	946.0	932.9	920.1	914.8	912.2	919.1	936.7	948.2	948.4
47.5°	1062.2	1057.6	1050.3	1039.8	1028.7	1023.4	1019.1	1022.5	1035.2	1039.8	1040.3
50°	1165.7	1166.7	1168.2	1164.1	1160.0	1158.3	1146.9	1140.5	1144.3	1135.9	1134.7
52.5°	1288.5	1290.5	1304.4	1316.2	1323.2	1326.7	1305.4	1283.0	1270.5	1254.1	1249.4
55°	1433.5	1436.6	1457.0	1489.7	1523.4	1541.2	1502.5	1460.7	1421.9	1391.4	1381.6
57.5°	1595.0	1600.5	1628.6	1691.4	1760.3	1802.5	1737.1	1661.0	1586.3	1542.4	1534.6
60°	1784.4	1789.7	1828.6	1918.5	2030.3	2093.5	1994.4	1870.2	1777.2	1735.1	1720.9
62.5°	2009.8	2010.3	2058.2	2163.1	2310.8	2398.7	2264.6	2098.5	2002.6	1951.9	1938.2
65°	2252.4	2253.5	2303.1	2416.5	2569.1	2664.8	2513.4	2340.3	2223.0	2148.2	2137.7
67.5°	2423.7	2428.7	2480.9	2617.5	2760.2	2846.5	2689.8	2494.1	2358.6	2269.4	2260.5
70°	2396.3	2416.1	2477.4	2636.7	2835.2	2958.2	2718.3	2475.9	2297.0	2191.7	2184.3
72.5°	2089.8	2127.6	2209.4	2418.4	2736.0	2905.4	2562.4	2217.5	2015.1	1925.5	1912.0
75°	1423.1	1484.4	1607.8	1909.4	2337.4	2515.6	2157.2	1768.1	1577.7	1453.7	1444.6
77.5°	634.6	648.5	804.7	1152.0	1613.0	1806.5	1567.3	1156.6	868.1	692.4	655.4
80°	176.9	179.0	238.9	429.1	807.4	1061.4	866.7	450.7	253.3	178.6	168.2
82.5°	56.3	61.0	74.5	111.3	271.4	484.3	278.5	120.2	85.6	68.3	61.6
85°	27.4	27.2	37.7	45.2	69.2	107.2	73.8	55.8	48.8	32.4	29.3
87.5°	11.6	11.7	17.5	15.8	20.2	17.3	23.8	25.0	26.2	14.4	12.5
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)