

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: P382879

Luminaire Tested: **GLEON-SA2C-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
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-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13906.2 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

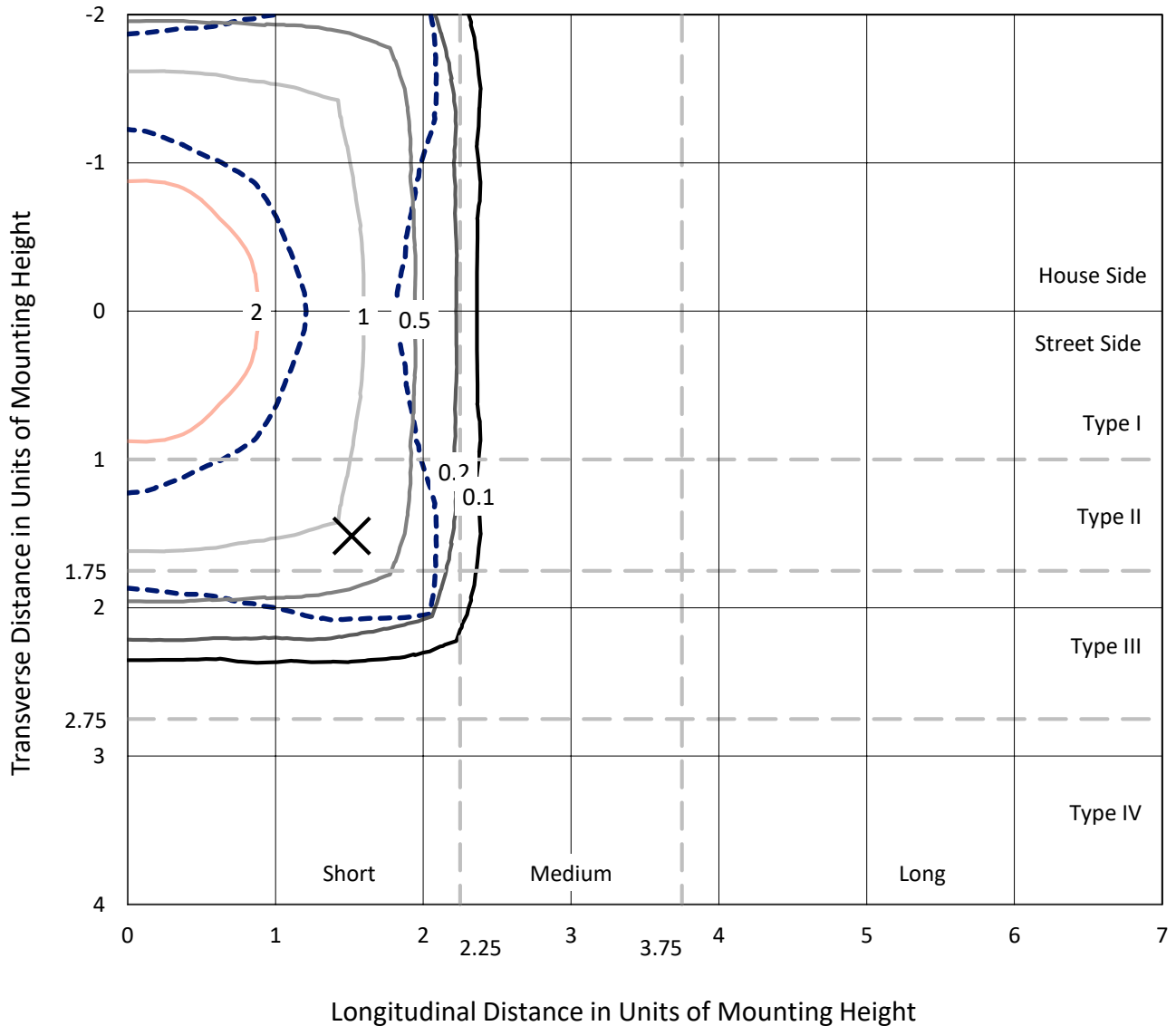
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

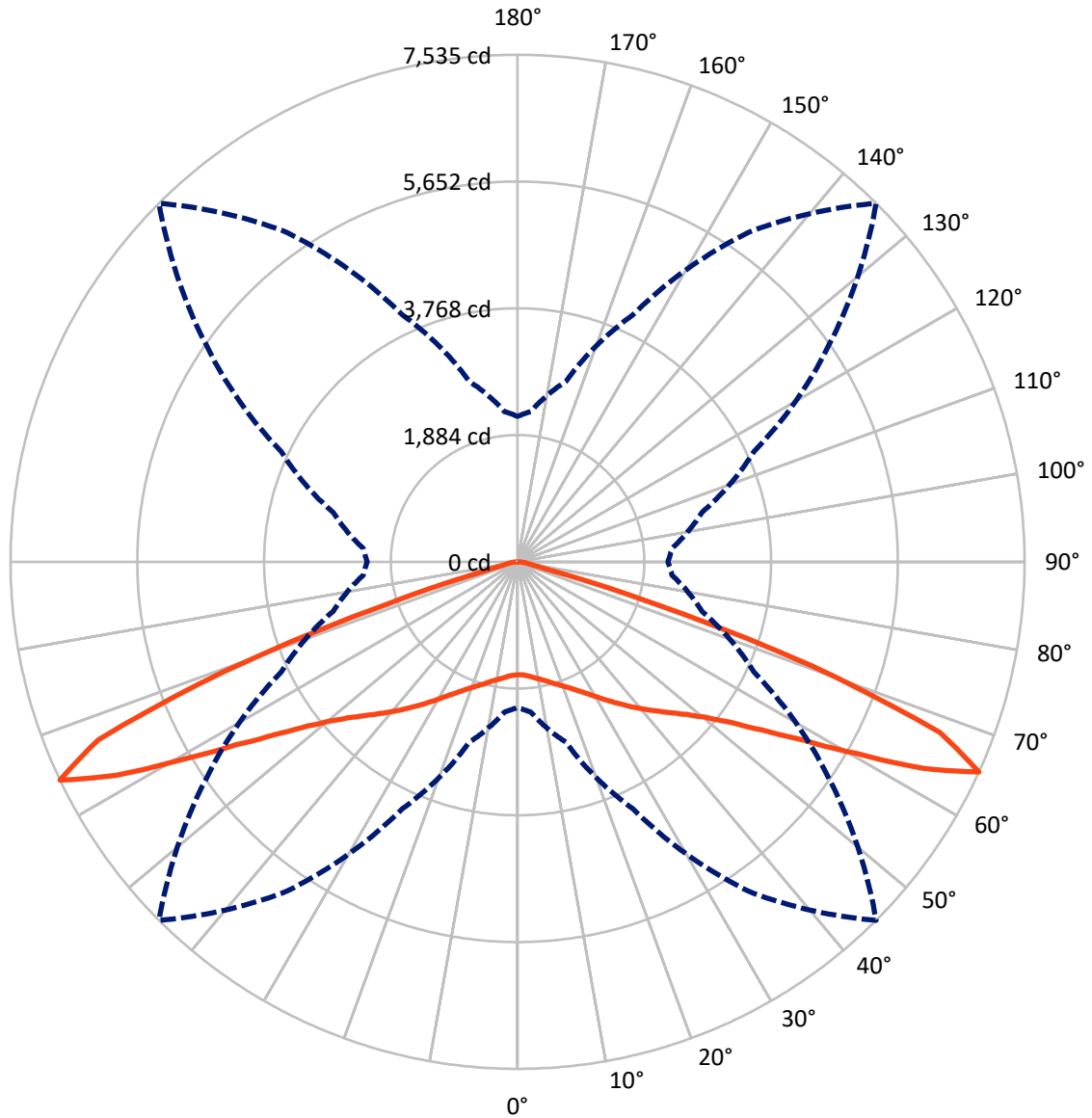
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6953.1	0.0	6953.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6953.1	0.0	6953.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13906.2	0.0	13906.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	1.2
10°-20°	529.6	3.8
20°-30°	993.6	7.1
30°-40°	1643.3	11.8
40°-50°	2545.2	18.3
50°-60°	3903.6	28.1
60°-70°	3642.5	26.2
70°-80°	423.9	3.0
80°-90°	59.6	0.4
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°	13906.2	100.0
0°-180°	13906.2	100.0

Coefficient of Utilization



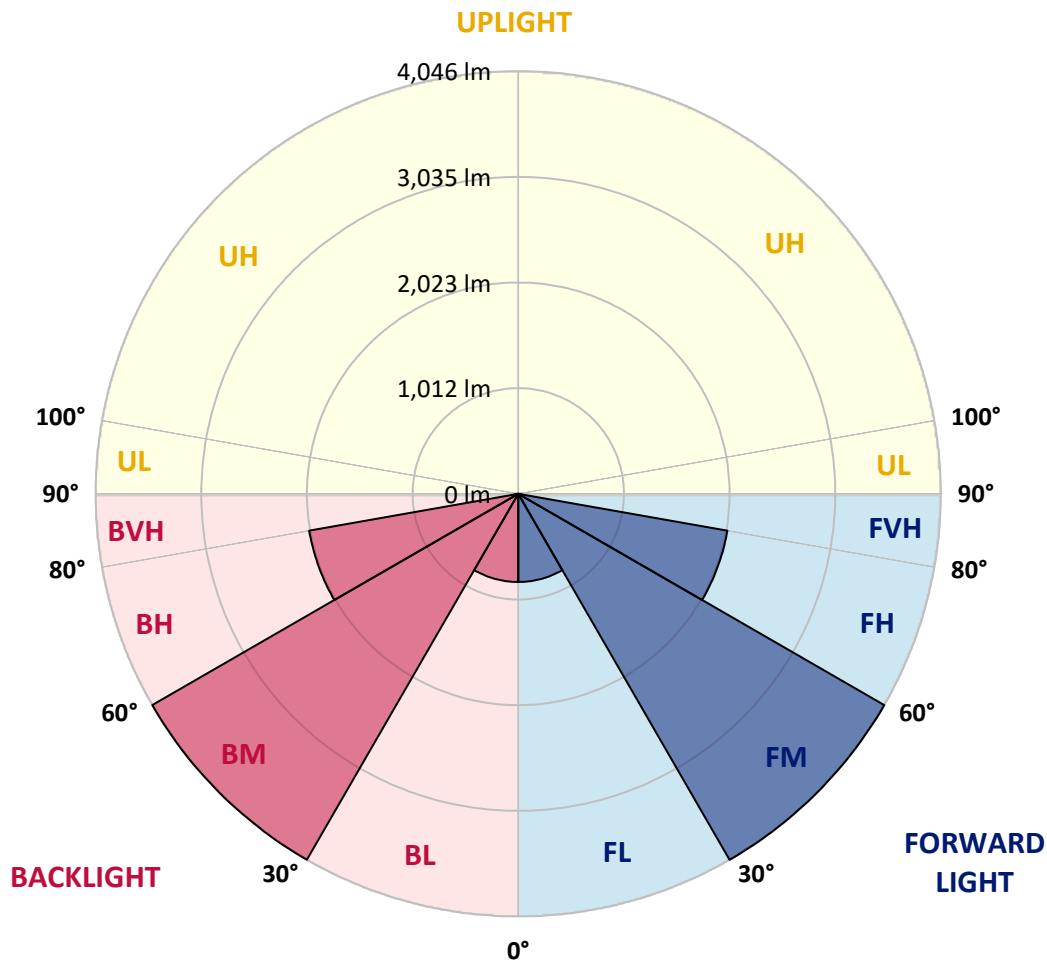
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.0	6.1			
FM (30°-60°)	4046.1	29.1			
FH (60°-80°)	2033.2	14.6			G2/5000
FVH (80°-90°)	29.8	0.2			G1/100
BL (0°-30°)	844.0	6.1	B2/1000		
BM (30°-60°)	4046.1	29.1	B3/5000		
BH (60°-80°)	2033.2	14.6	B3/2500		G2/5000
BVH (80°-90°)	29.8	0.2			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°	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3
2.5°	1684.9	1684.0	1684.9	1685.4	1682.6	1684.0	1683.5	1685.8	1686.8	1685.8	1685.8
5°	1704.3	1702.9	1704.7	1707.1	1703.3	1704.3	1702.9	1705.7	1706.6	1704.7	1706.1
7.5°	1731.0	1731.5	1733.3	1737.5	1735.2	1737.1	1734.3	1734.7	1734.3	1731.5	1731.9
10°	1760.2	1760.6	1763.8	1769.4	1770.3	1770.3	1768.4	1767.1	1765.2	1763.3	1763.8
12.5°	1795.2	1797.5	1799.8	1806.7	1806.7	1810.5	1809.5	1805.8	1802.6	1799.8	1799.8
15°	1842.8	1842.3	1845.0	1852.0	1855.2	1861.2	1861.2	1856.1	1852.0	1849.2	1848.3
17.5°	1892.6	1894.0	1895.8	1904.2	1909.2	1916.2	1917.0	1912.9	1910.1	1906.4	1904.2
20°	1950.8	1953.1	1960.4	1963.7	1968.3	1974.8	1977.1	1976.2	1973.4	1971.5	1972.0
22.5°	2018.7	2024.6	2029.3	2033.8	2039.4	2044.0	2046.3	2049.6	2046.8	2045.4	2044.5
25°	2100.8	2104.9	2114.1	2122.5	2126.2	2127.6	2130.4	2134.9	2134.5	2131.3	2131.3
27.5°	2194.1	2201.9	2213.5	2225.5	2225.5	2220.8	2230.0	2237.9	2235.2	2231.0	2225.5
30°	2307.2	2314.5	2327.9	2344.5	2336.2	2333.0	2345.5	2359.8	2355.6	2348.7	2347.8
32.5°	2429.0	2435.9	2453.5	2471.5	2460.9	2456.2	2469.6	2490.4	2483.0	2469.2	2460.9
35°	2561.0	2567.9	2592.9	2614.6	2596.6	2588.7	2599.8	2622.4	2609.5	2583.6	2577.2
37.5°	2704.6	2708.3	2740.6	2762.8	2750.3	2729.5	2743.3	2760.0	2748.9	2717.5	2705.0
40°	2853.7	2867.0	2904.5	2930.3	2908.6	2875.9	2898.9	2922.0	2905.4	2865.3	2844.0
42.5°	3027.7	3037.9	3087.7	3110.8	3075.7	3029.6	3061.0	3092.4	3075.7	3036.9	3018.5
45°	3208.6	3224.4	3283.9	3307.0	3256.2	3197.5	3235.9	3290.8	3289.5	3233.6	3214.2
47.5°	3405.7	3421.5	3492.6	3523.0	3468.1	3389.6	3443.7	3521.2	3515.7	3454.3	3438.5
50°	3633.3	3650.0	3738.6	3776.9	3725.6	3634.2	3715.5	3783.9	3773.7	3698.0	3699.4
52.5°	3919.1	3918.2	4028.5	4095.0	4042.4	3961.6	4036.3	4102.8	4060.8	3956.0	3952.7
55°	4169.2	4184.5	4321.2	4447.2	4443.9	4413.0	4443.0	4445.8	4325.7	4186.4	4169.2
57.5°	4333.7	4362.7	4555.2	4783.2	4954.0	4995.1	4936.9	4760.6	4479.4	4256.5	4229.3
60°	4232.5	4276.8	4579.2	5044.1	5547.2	5788.6	5460.4	4913.4	4359.9	4049.3	4012.4
62.5°	3550.2	3625.0	4067.7	4918.0	6057.8	6763.5	5839.9	4668.3	3884.5	3456.5	3393.3
65°	2162.2	2241.1	2774.7	4047.9	5975.1	7535.4	5666.7	3874.8	2835.3	2303.0	2234.7
67.5°	720.6	743.7	1058.1	2237.4	4695.9	6770.5	4703.8	2319.6	1233.9	818.0	794.0
70°	282.1	284.3	335.6	648.5	2217.5	4650.3	2447.0	660.1	350.8	277.4	283.5
72.5°	207.3	208.2	222.5	271.0	577.9	2048.7	598.7	272.4	216.5	194.3	194.3
75°	166.7	166.7	176.8	197.6	259.0	470.0	262.7	195.3	169.4	155.1	153.2
77.5°	131.5	134.3	142.2	155.6	175.4	226.2	181.8	154.6	136.7	123.2	120.4
80°	97.9	100.6	113.6	120.0	126.0	157.0	134.3	120.9	108.1	92.3	89.5
82.5°	64.2	67.0	83.1	86.8	85.4	102.5	90.5	89.1	79.4	59.5	56.8
85°	42.0	42.9	55.4	57.7	53.1	46.6	57.7	60.9	55.4	38.8	37.4
87.5°	19.8	19.8	28.1	26.3	24.0	19.4	26.3	30.9	31.4	18.9	18.4
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)