

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: P382851

Luminaire Tested: **GLEON-SA2B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382851
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-SA2B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11235.4 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

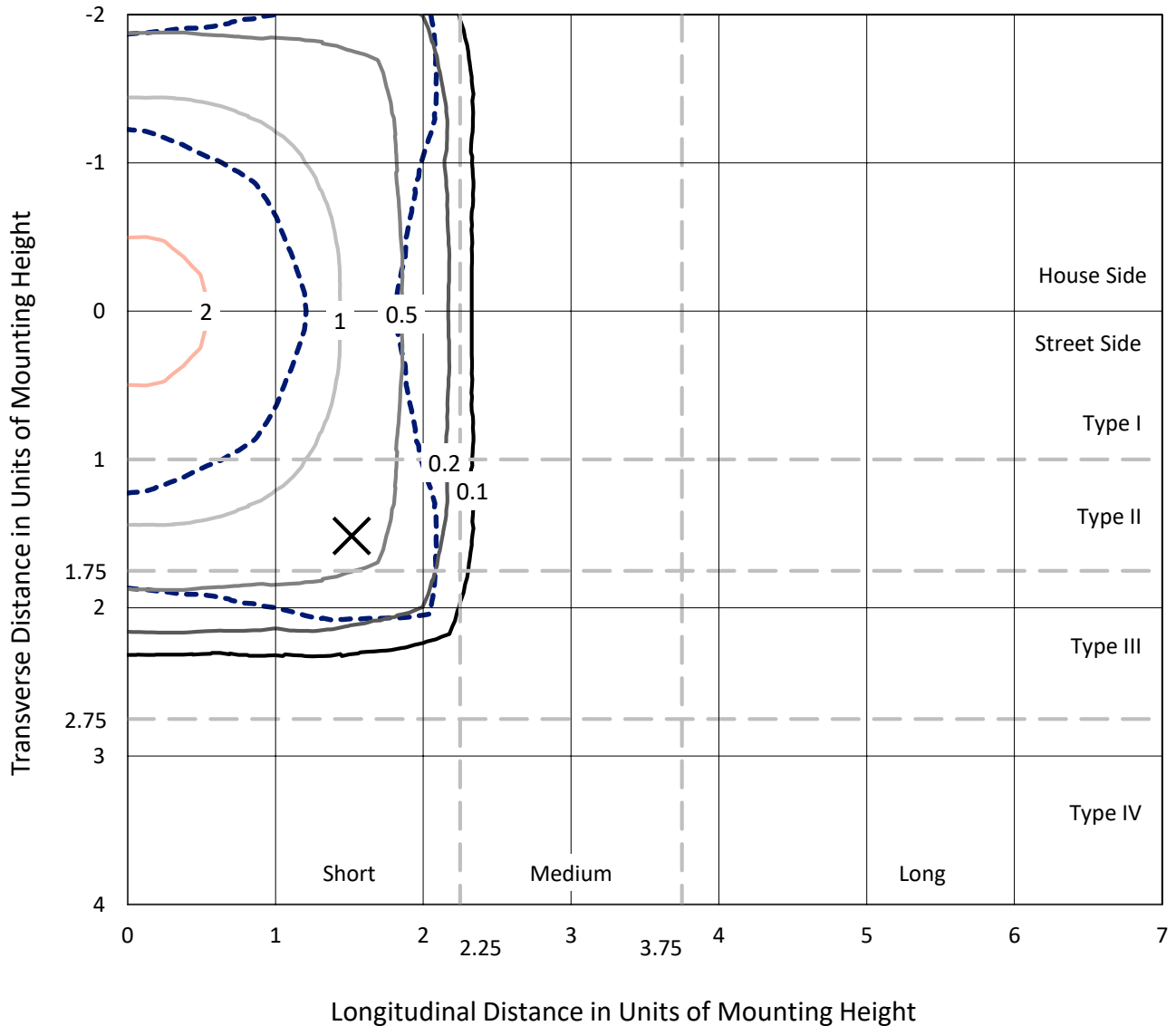
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

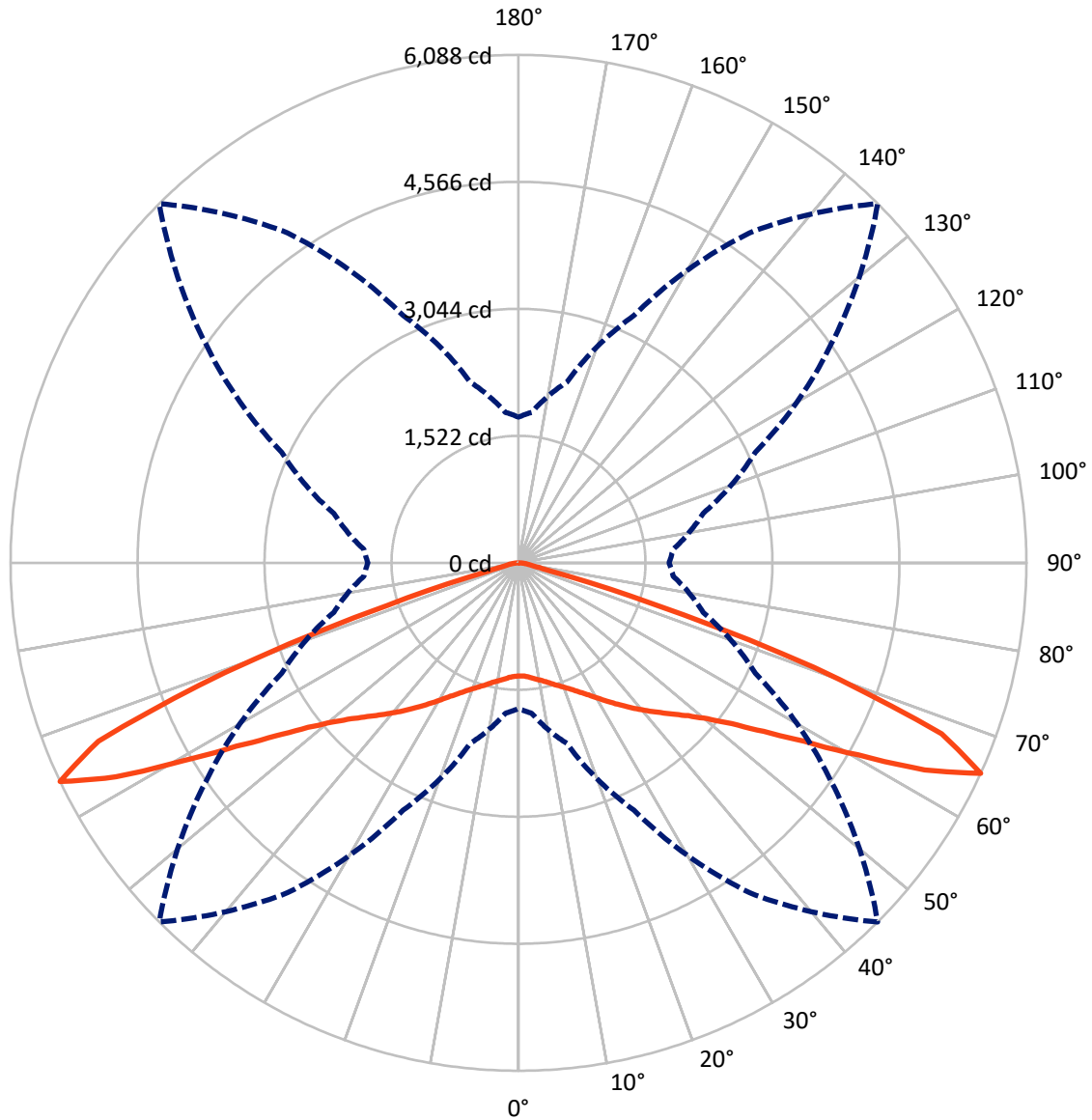
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	5617.7	0.0	5617.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5617.7	0.0	5617.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11235.4	0.0	11235.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.2
10°-20°	427.9	3.8
20°-30°	802.8	7.1
30°-40°	1327.7	11.8
40°-50°	2056.4	18.3
50°-60°	3153.9	28.1
60°-70°	2943.0	26.2
70°-80°	342.5	3.0
80°-90°	48.1	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°	11235.4	100.0
0°-180°	11235.4	100.0

Coefficient of Utilization



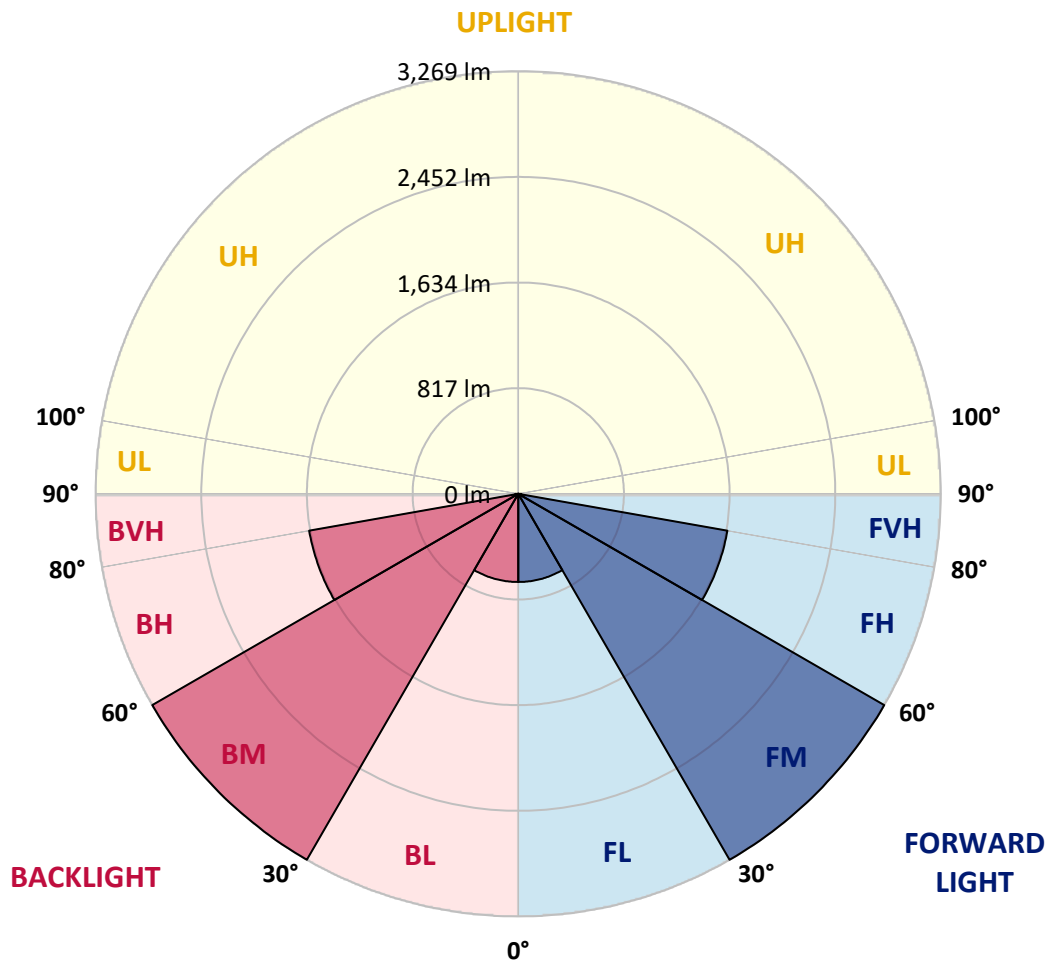
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.9	6.1			
FM (30°-60°)	3269.0	29.1			
FH (60°-80°)	1642.7	14.6			G1/1800
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	681.9	6.1	B2/1000		
BM (30°-60°)	3269.0	29.1	B3/5000		
BH (60°-80°)	1642.7	14.6	B3/2500		G1/1800
BVH (80°-90°)	24.1	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8
2.5°	1361.3	1360.5	1361.3	1361.6	1359.4	1360.5	1360.2	1362.0	1362.8	1362.0	1362.0
5°	1376.9	1375.8	1377.3	1379.2	1376.2	1376.9	1375.8	1378.0	1378.8	1377.3	1378.4
7.5°	1398.6	1399.0	1400.5	1403.8	1402.0	1403.5	1401.2	1401.6	1401.2	1399.0	1399.4
10°	1422.1	1422.5	1425.1	1429.6	1430.3	1430.3	1428.8	1427.7	1426.2	1424.7	1425.1
12.5°	1450.4	1452.3	1454.1	1459.7	1459.7	1462.7	1462.0	1459.0	1456.4	1454.1	1454.1
15°	1488.8	1488.4	1490.7	1496.3	1499.0	1503.8	1503.8	1499.7	1496.3	1494.1	1493.4
17.5°	1529.1	1530.3	1531.7	1538.5	1542.5	1548.1	1548.9	1545.5	1543.3	1540.3	1538.5
20°	1576.1	1577.9	1583.9	1586.5	1590.2	1595.6	1597.4	1596.7	1594.3	1592.9	1593.2
22.5°	1631.0	1635.8	1639.5	1643.2	1647.7	1651.4	1653.3	1655.9	1653.7	1652.6	1651.8
25°	1697.3	1700.7	1708.2	1714.9	1717.9	1719.0	1721.2	1724.9	1724.6	1722.0	1722.0
27.5°	1772.6	1779.0	1788.3	1798.0	1798.0	1794.3	1801.8	1808.1	1805.9	1802.5	1798.0
30°	1864.0	1870.0	1880.8	1894.2	1887.5	1884.9	1895.0	1906.6	1903.2	1897.6	1896.8
32.5°	1962.5	1968.1	1982.2	1996.8	1988.2	1984.5	1995.3	2012.1	2006.1	1994.9	1988.2
35°	2069.2	2074.7	2094.9	2112.5	2097.8	2091.5	2100.5	2118.8	2108.3	2087.4	2082.2
37.5°	2185.1	2188.1	2214.3	2232.2	2222.1	2205.3	2216.5	2229.9	2221.0	2195.6	2185.5
40°	2305.6	2316.5	2346.7	2367.5	2350.0	2323.6	2342.2	2360.8	2347.4	2314.9	2297.8
42.5°	2446.2	2454.4	2494.7	2513.3	2485.0	2447.7	2473.1	2498.4	2485.0	2453.7	2438.8
45°	2592.4	2605.1	2653.2	2671.9	2630.9	2583.5	2614.4	2658.8	2657.7	2612.5	2596.9
47.5°	2751.7	2764.4	2821.8	2846.4	2802.0	2738.7	2782.3	2844.9	2840.5	2790.8	2778.2
50°	2935.6	2949.0	3020.5	3051.6	3010.1	2936.3	3001.9	3057.2	3049.0	2987.8	2988.9
52.5°	3166.4	3165.7	3254.8	3308.5	3266.0	3200.7	3261.2	3314.8	3280.9	3196.2	3193.6
55°	3368.6	3380.9	3491.3	3593.1	3590.5	3565.5	3589.7	3592.0	3495.0	3382.4	3368.6
57.5°	3501.3	3524.8	3680.4	3864.6	4002.6	4035.7	3988.8	3846.3	3619.2	3439.0	3417.0
60°	3419.6	3455.5	3699.7	4075.3	4481.9	4676.8	4411.7	3969.8	3522.6	3271.6	3241.8
62.5°	2868.4	2928.8	3286.5	3973.5	4894.4	5464.6	4718.3	3771.7	3138.4	2792.7	2741.6
65°	1746.9	1810.7	2241.9	3270.5	4827.6	6088.1	4578.4	3130.6	2290.7	1860.7	1805.5
67.5°	582.2	600.8	854.8	1807.8	3794.1	5470.1	3800.4	1874.1	996.9	660.8	641.5
70°	227.9	229.7	271.2	524.0	1791.6	3757.2	1977.0	533.3	283.5	224.1	229.0
72.5°	167.5	168.2	179.8	218.9	467.0	1655.2	483.8	220.0	174.9	157.1	157.1
75°	134.6	134.6	142.8	159.7	209.2	379.7	212.2	157.8	136.8	125.3	123.8
77.5°	106.3	108.5	114.9	125.7	141.7	182.8	146.9	124.9	110.4	99.6	97.3
80°	79.1	81.3	91.8	97.0	101.8	126.8	108.5	97.7	87.3	74.6	72.4
82.5°	51.9	54.1	67.2	70.1	69.0	82.8	73.1	72.0	64.2	48.1	45.8
85°	33.9	34.7	44.7	46.6	42.9	37.6	46.6	49.2	44.7	31.3	30.2
87.5°	16.0	16.0	22.7	21.2	19.4	15.6	21.2	25.0	25.3	15.3	14.9
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)