

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: P317237

Luminaire Tested: **GLEON-SA3B-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317237
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-SA3B-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13110 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

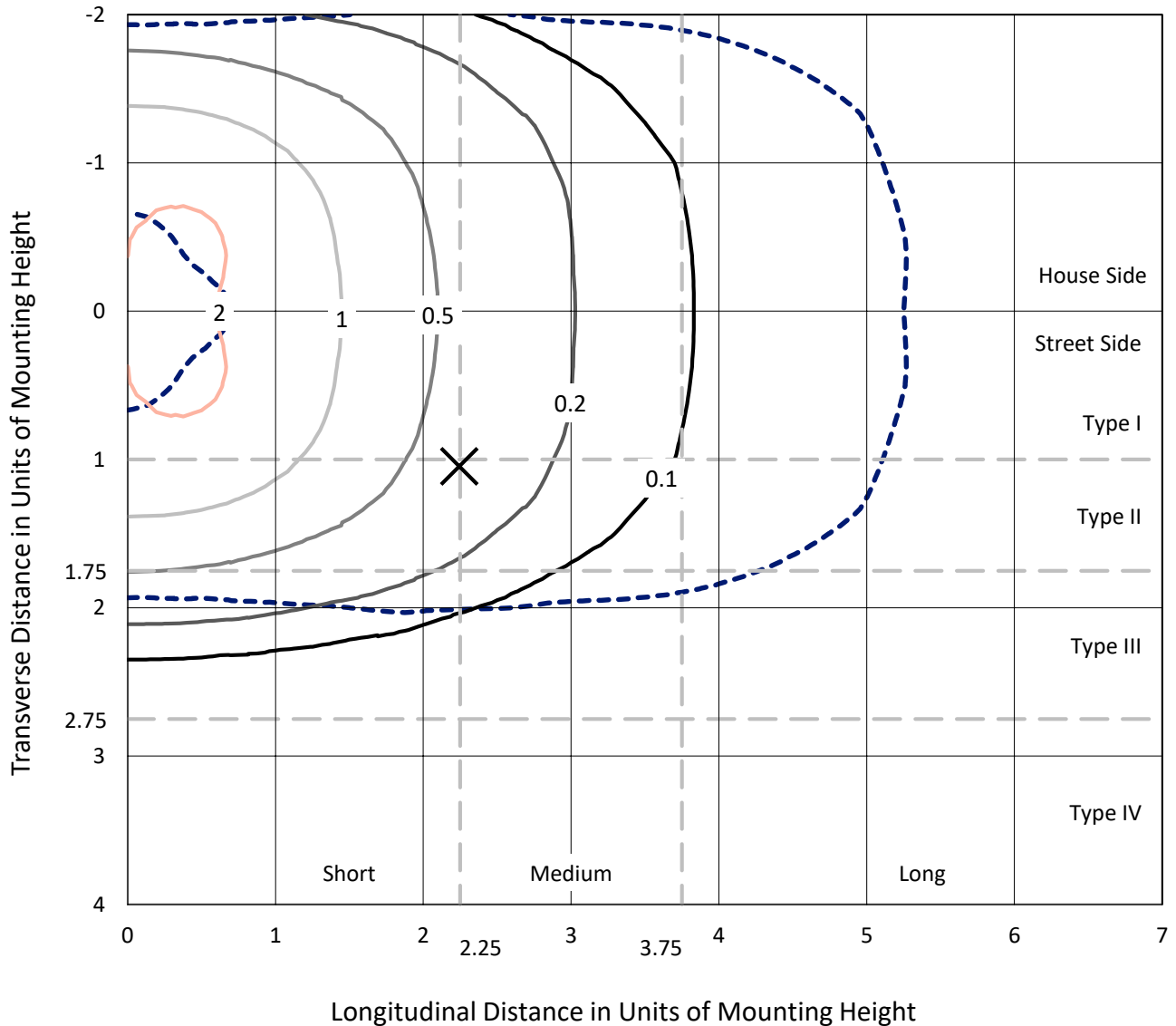
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

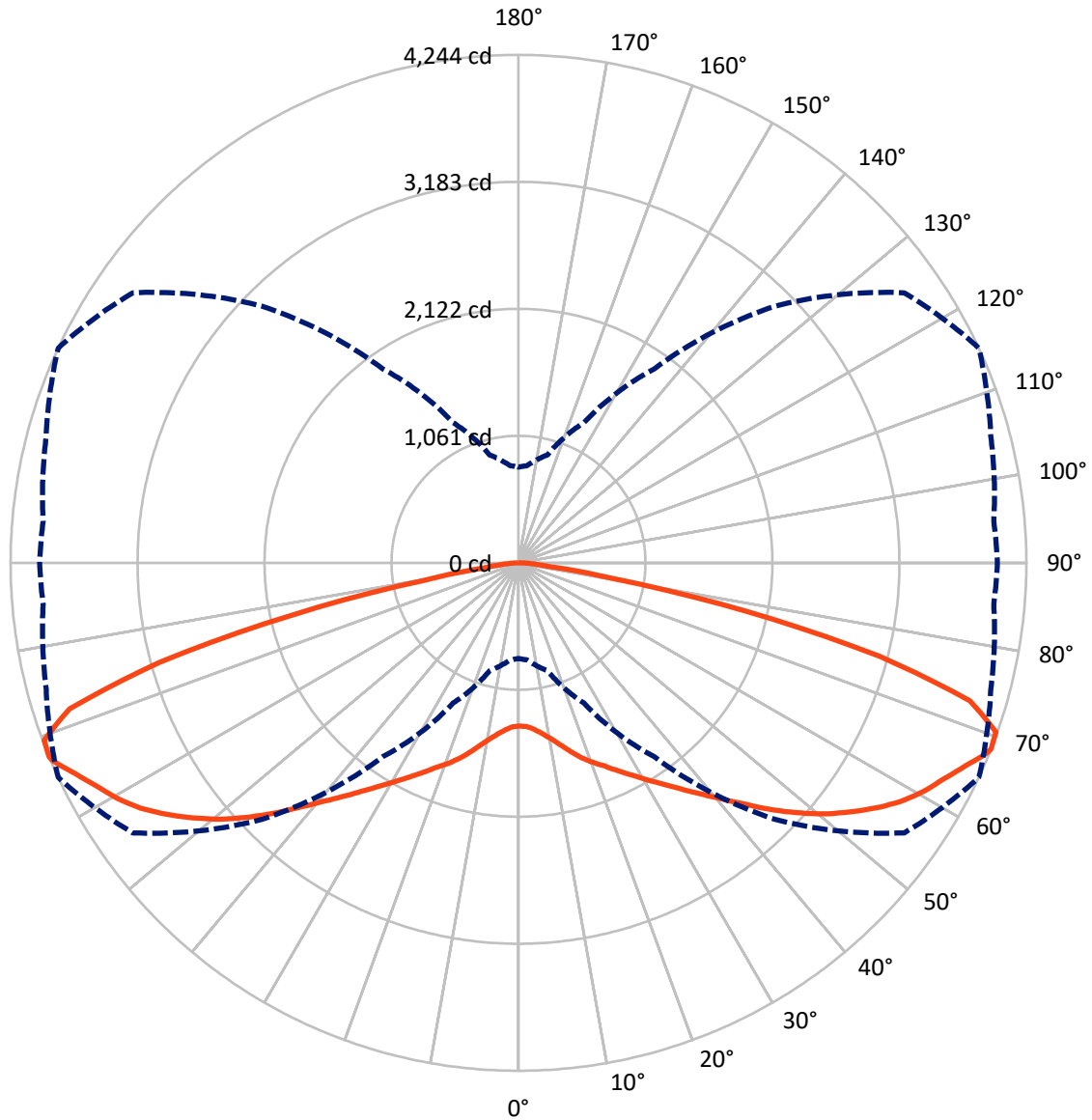
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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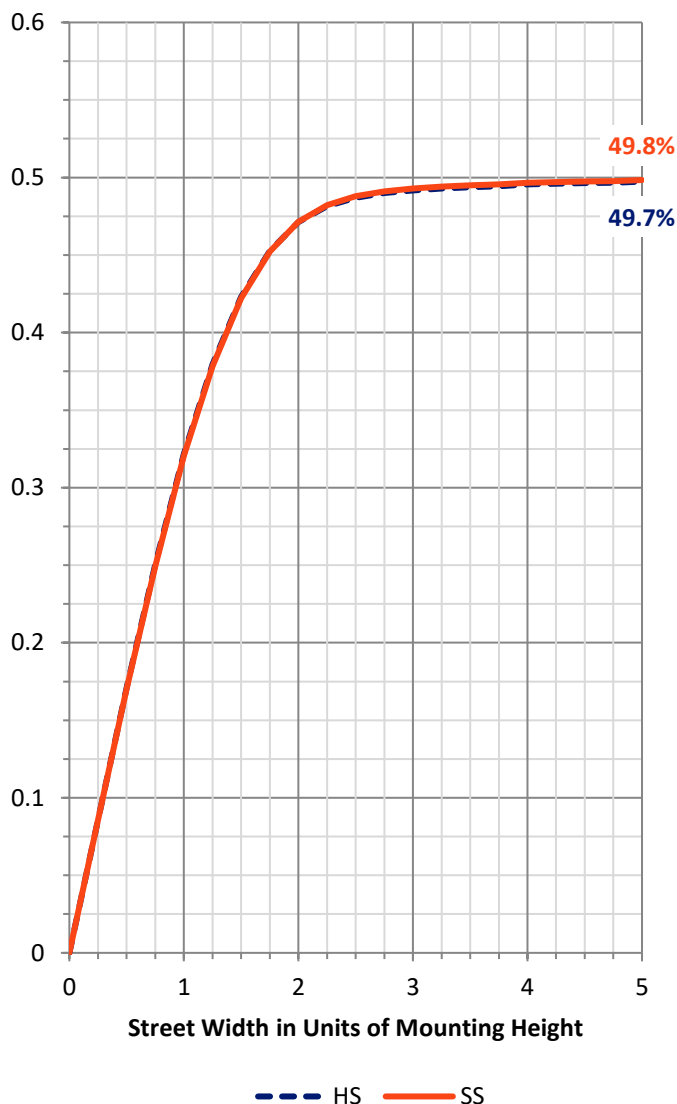
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6555.0	0.0	6555.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6555.0	0.0	6555.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13110.0	0.0	13110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	1.0
10°-20°	446.9	3.4
20°-30°	871.3	6.6
30°-40°	1463.7	11.2
40°-50°	2306.3	17.6
50°-60°	3084.3	23.5
60°-70°	2998.3	22.9
70°-80°	1639.0	12.5
80°-90°	166.7	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°	13110.0	100.0
0°-180°	13110.0	100.0

Coefficient of Utilization



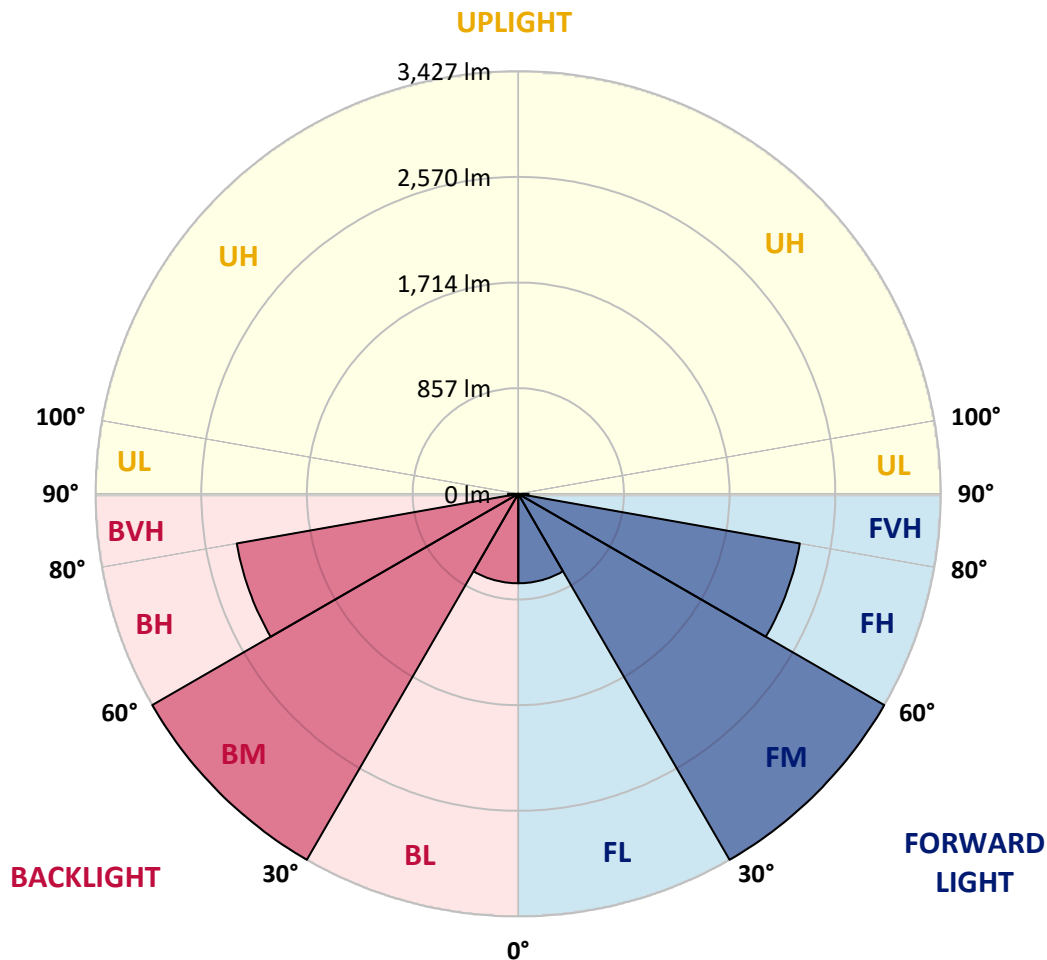
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.8	5.5			
FM (30°-60°)	3427.2	26.1			
FH (60°-80°)	2318.7	17.7			G2/5000
FVH (80°-90°)	83.3	0.6			G1/100
BL (0°-30°)	725.8	5.5	B2/1000		
BM (30°-60°)	3427.2	26.1	B3/5000		
BH (60°-80°)	2318.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	83.3	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°	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1	1363.1
2.5°	1353.5	1353.9	1356.1	1358.7	1360.9	1366.6	1368.0	1370.2	1371.0	1373.2	1373.2
5°	1341.6	1342.5	1347.7	1354.8	1362.7	1376.8	1386.9	1398.3	1404.0	1410.2	1409.7
7.5°	1340.3	1342.5	1349.9	1361.4	1374.6	1397.9	1419.0	1441.8	1457.2	1471.3	1470.4
10°	1353.9	1357.4	1368.0	1385.1	1404.9	1433.9	1465.1	1495.9	1522.7	1544.2	1545.1
12.5°	1374.6	1379.0	1395.7	1421.6	1451.5	1488.9	1525.8	1560.5	1597.4	1629.5	1632.2
15°	1401.8	1407.5	1432.6	1471.3	1517.0	1561.4	1600.9	1636.5	1679.2	1723.6	1728.0
17.5°	1442.3	1450.2	1483.1	1535.4	1595.7	1644.5	1685.8	1712.6	1748.2	1793.9	1802.3
20°	1503.8	1513.9	1555.7	1618.1	1691.5	1742.5	1774.1	1779.9	1797.4	1838.3	1848.0
22.5°	1583.8	1592.6	1639.2	1713.5	1795.7	1851.1	1867.8	1844.9	1843.2	1876.1	1885.4
25°	1673.0	1680.9	1735.0	1818.5	1906.9	1968.0	1967.6	1923.2	1892.4	1917.9	1927.5
27.5°	1773.3	1785.6	1837.4	1925.4	2019.9	2080.1	2076.6	2008.0	1949.5	1956.1	1964.5
30°	1888.4	1902.1	1952.6	2041.8	2136.3	2195.3	2190.9	2100.3	2012.4	1994.8	2001.0
32.5°	2031.3	2047.6	2095.5	2183.4	2266.9	2320.1	2307.3	2200.5	2088.0	2049.8	2055.5
35°	2203.2	2212.8	2263.4	2350.0	2417.7	2454.2	2427.3	2316.6	2183.8	2137.7	2137.7
37.5°	2377.2	2384.7	2441.4	2525.4	2590.9	2610.2	2557.9	2443.6	2309.1	2243.6	2244.9
40°	2544.3	2564.5	2628.2	2714.4	2779.0	2784.3	2714.8	2588.7	2448.4	2380.8	2388.7
42.5°	2718.8	2738.6	2814.6	2912.2	2969.3	2978.1	2896.8	2751.3	2605.8	2550.9	2559.7
45°	2874.4	2890.2	2978.1	3091.6	3162.8	3185.6	3089.4	2937.7	2775.9	2722.3	2724.5
47.5°	2983.0	3003.6	3100.3	3234.0	3337.7	3372.9	3278.4	3119.2	2943.4	2878.4	2884.1
50°	3081.4	3092.4	3190.5	3336.4	3468.3	3540.8	3459.9	3298.6	3112.7	3043.6	3049.8
52.5°	3136.4	3150.5	3245.4	3397.5	3553.5	3670.5	3621.2	3459.9	3276.2	3208.9	3216.4
55°	3098.1	3108.7	3222.5	3411.1	3606.3	3750.5	3758.0	3617.7	3436.6	3377.7	3398.8
57.5°	2924.1	2937.3	3076.2	3323.2	3612.9	3804.5	3860.8	3764.1	3586.5	3538.6	3550.9
60°	2652.0	2660.3	2808.5	3086.3	3484.5	3827.0	3926.3	3883.7	3733.3	3685.4	3702.1
62.5°	2167.1	2179.4	2356.6	2728.9	3213.3	3760.6	3989.6	3982.6	3870.0	3826.1	3841.0
65°	1481.4	1502.9	1699.0	2169.8	2795.3	3557.5	4047.2	4097.7	3990.9	3935.5	3955.3
67.5°	894.5	910.4	1052.3	1432.6	2139.0	3147.8	3987.9	4228.7	4076.2	3987.0	4003.2
68°	799.6	814.1	932.8	1292.8	1978.5	3032.2	3933.8	4243.7	4085.4	3986.1	4000.6
70°	483.1	492.8	572.3	799.2	1319.2	2405.4	3565.0	4231.4	4144.3	3998.4	4006.8
72.5°	314.7	317.8	331.0	410.1	673.9	1345.1	2675.7	3943.0	4232.7	4070.1	4068.7
75°	261.5	259.8	261.1	270.3	332.3	589.9	1563.6	3114.9	4034.9	3957.1	3929.4
77.5°	221.1	219.8	219.3	219.8	222.4	284.8	678.7	1940.3	3087.6	3500.4	3525.0
80°	178.9	177.1	182.9	180.2	172.3	177.1	284.4	807.1	1455.4	1565.8	1467.3
82.5°	130.1	123.5	148.1	141.1	134.5	124.8	156.9	260.7	347.3	238.3	167.5
85°	100.2	93.2	112.5	108.1	92.3	63.7	93.2	127.5	140.7	80.4	63.3
87.5°	40.9	43.1	81.3	64.2	54.1	30.8	38.2	51.0	68.6	34.3	26.4
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)