

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: P382964

Luminaire Tested: **GLEON-SA3B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382964
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-SA3B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17119 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

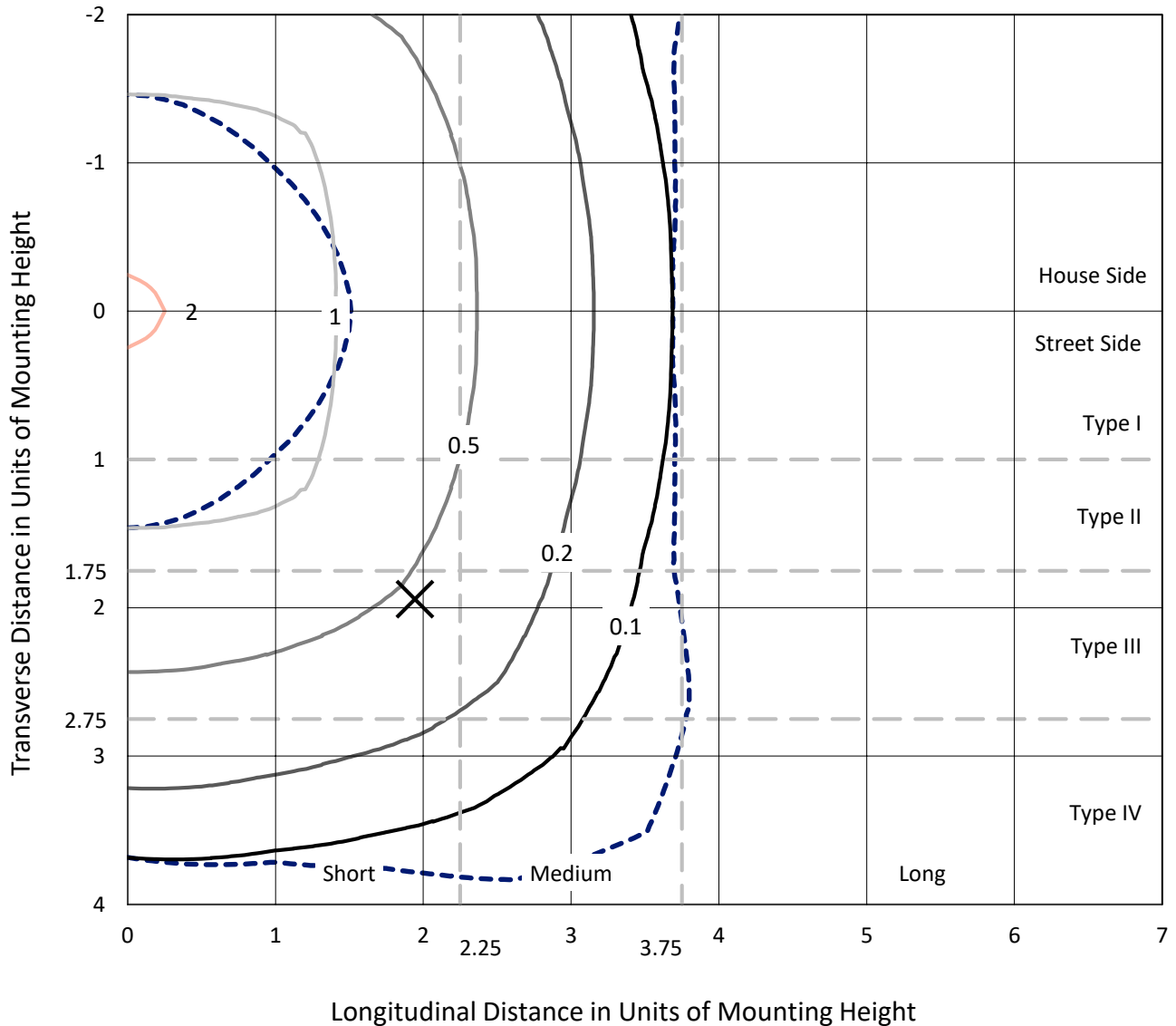
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

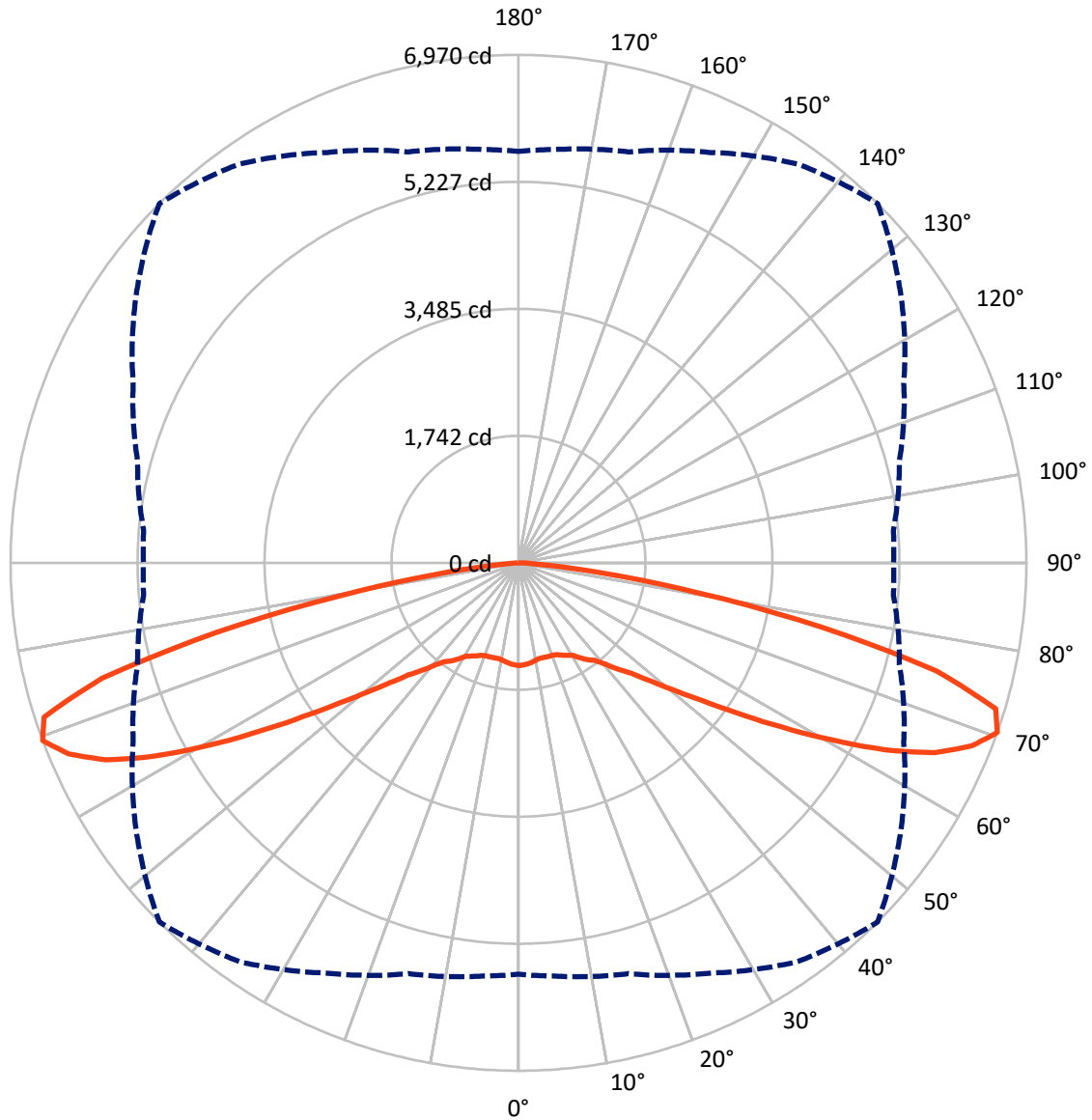
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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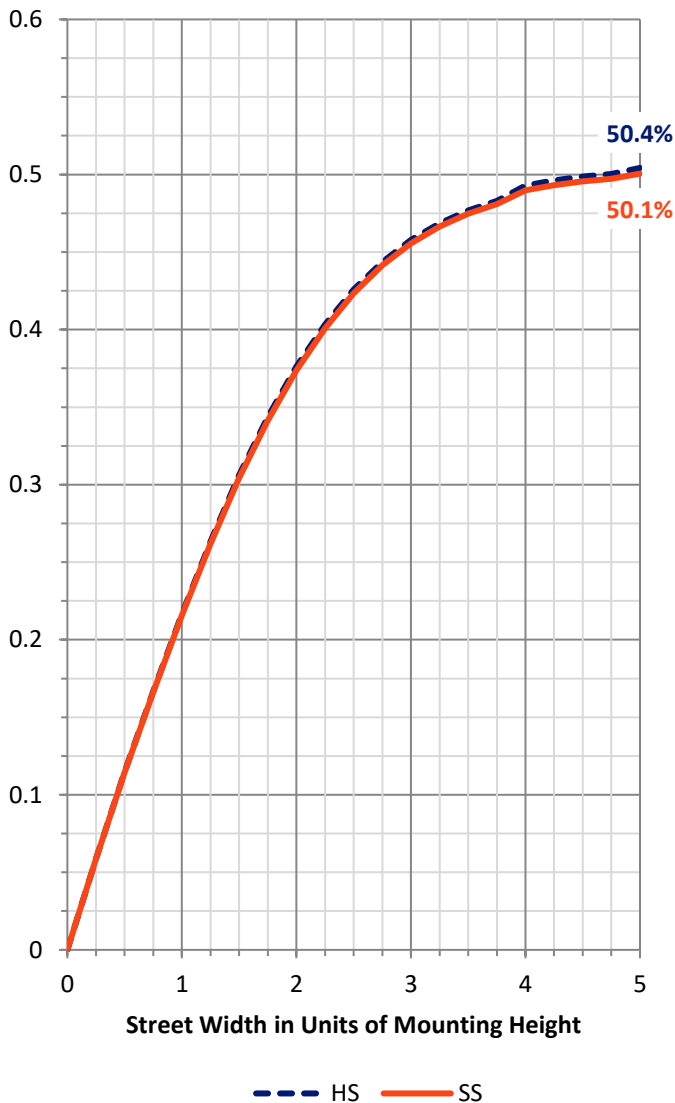
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8559.5	0.0	8559.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8559.5	0.0	8559.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17119.0	0.0	17119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	0.8
10°-20°	384.1	2.2
20°-30°	654.9	3.8
30°-40°	1023.3	6.0
40°-50°	1734.2	10.1
50°-60°	3162.5	18.5
60°-70°	5444.5	31.8
70°-80°	4267.6	24.9
80°-90°	316.4	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°	17119.0	100.0
0°-180°	17119.0	100.0

Coefficient of Utilization



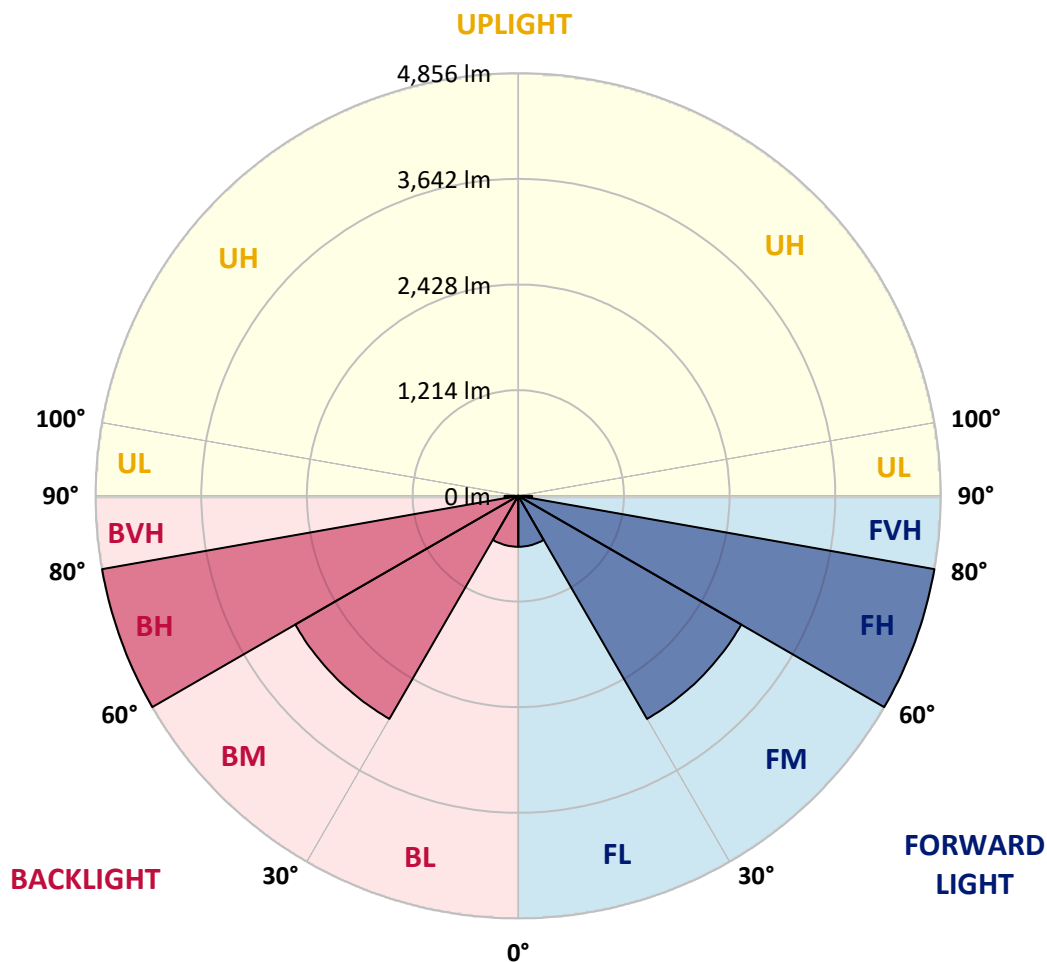
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.3	3.4			
FM (30°-60°)	2960.0	17.3			
FH (60°-80°)	4856.0	28.4			G2/5000
FVH (80°-90°)	158.2	0.9			G2/225
BL (0°-30°)	585.3	3.4	B2/1000		
BM (30°-60°)	2960.0	17.3	B3/5000		
BH (60°-80°)	4856.0	28.4	B4/5000		G2/5000
BVH (80°-90°)	158.2	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9
2.5°	1402.6	1404.4	1402.6	1403.8	1401.0	1402.1	1402.1	1402.1	1401.5	1402.1	1401.0
5°	1390.2	1391.4	1389.1	1390.2	1388.5	1390.2	1390.8	1390.2	1389.1	1389.7	1387.4
7.5°	1371.5	1372.6	1371.0	1372.6	1370.4	1373.2	1372.6	1371.0	1369.3	1369.3	1367.0
10°	1361.4	1361.9	1357.4	1355.7	1350.6	1351.7	1353.4	1355.1	1356.8	1360.2	1359.6
12.5°	1361.9	1361.9	1355.1	1347.8	1340.4	1342.1	1344.9	1351.1	1357.9	1364.2	1364.7
15°	1367.6	1367.0	1356.8	1344.9	1339.8	1344.9	1346.6	1350.6	1361.4	1372.1	1372.6
17.5°	1371.5	1371.5	1355.7	1342.1	1341.5	1349.4	1348.9	1350.6	1362.5	1378.3	1378.9
20°	1378.9	1378.9	1358.5	1343.8	1343.8	1352.2	1352.8	1355.7	1367.6	1385.1	1387.9
22.5°	1395.3	1395.8	1374.3	1362.5	1363.6	1368.7	1370.4	1375.0	1385.7	1405.0	1408.3
25°	1418.6	1419.7	1397.6	1390.8	1394.7	1404.4	1403.3	1406.6	1418.6	1437.2	1440.6
27.5°	1450.8	1448.0	1427.6	1424.8	1428.7	1435.5	1435.0	1435.5	1445.1	1462.2	1466.1
30°	1492.7	1491.6	1476.9	1478.6	1476.9	1474.5	1475.2	1479.7	1484.8	1498.4	1502.3
32.5°	1533.5	1534.6	1525.6	1534.1	1546.5	1555.0	1542.0	1529.5	1523.8	1531.2	1534.6
35°	1607.1	1609.9	1595.7	1590.2	1607.1	1632.0	1595.2	1574.8	1586.1	1595.7	1598.6
37.5°	1732.2	1734.0	1710.1	1687.5	1675.0	1698.9	1662.1	1663.7	1703.3	1721.5	1720.9
40°	1874.9	1875.5	1859.6	1839.8	1818.3	1824.0	1809.3	1813.8	1839.8	1856.3	1860.8
42.5°	2044.8	2043.2	2018.2	1989.9	1983.6	1989.3	1964.4	1961.0	1991.0	2020.5	2021.1
45°	2265.2	2261.1	2228.9	2197.7	2167.7	2155.2	2149.0	2165.5	2206.7	2233.9	2234.5
47.5°	2502.4	2491.6	2474.7	2449.7	2423.7	2411.2	2401.1	2409.0	2439.0	2449.7	2450.8
50°	2746.5	2748.7	2752.1	2742.5	2732.9	2728.9	2702.2	2687.0	2696.1	2676.2	2673.4
52.5°	3035.8	3040.4	3073.2	3100.9	3117.3	3125.9	3075.4	3022.8	2993.3	2954.9	2943.5
55°	3377.3	3384.7	3432.8	3509.8	3589.1	3631.0	3539.8	3441.2	3350.1	3278.2	3255.0
57.5°	3757.9	3770.8	3837.1	3984.9	4147.4	4246.6	4092.5	3913.5	3737.5	3633.8	3615.7
60°	4204.1	4216.5	4308.2	4520.1	4783.3	4932.3	4699.0	4406.2	4187.0	4088.0	4054.6
62.5°	4735.2	4736.4	4849.1	5096.5	5444.2	5651.4	5335.4	4944.2	4718.2	4598.8	4566.4
65°	5306.6	5309.4	5426.1	5693.3	6052.9	6278.4	5921.6	5513.8	5237.5	5061.4	5036.5
67.5°	5710.4	5722.2	5845.1	6166.8	6503.1	6706.4	6337.2	5876.3	5556.9	5346.8	5325.8
70°	5645.8	5692.2	5836.6	6212.1	6679.8	6969.7	6404.6	5833.3	5411.9	5163.8	5146.3
72.5°	4923.8	5012.7	5205.2	5697.9	6445.9	6845.2	6037.1	5224.5	4747.6	4536.5	4504.8
75°	3352.9	3497.3	3787.9	4498.5	5507.0	5926.7	5082.3	4165.5	3717.1	3424.8	3403.3
77.5°	1494.9	1527.8	1895.9	2714.2	3800.2	4256.1	3692.7	2725.0	2045.4	1631.4	1544.2
80°	416.8	421.9	562.8	1010.8	1902.1	2500.6	2042.0	1061.8	596.8	420.8	396.4
82.5°	132.5	143.8	175.5	262.2	639.3	1141.1	656.3	283.1	201.6	160.8	144.9
85°	64.6	64.0	88.9	106.5	163.1	252.5	173.8	131.3	115.0	76.5	69.1
87.5°	27.2	27.8	41.4	37.4	47.6	40.8	56.1	58.9	61.8	34.0	29.4
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)