

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: P646707

Luminaire Tested: **GALN-SA1C-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5016.7 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

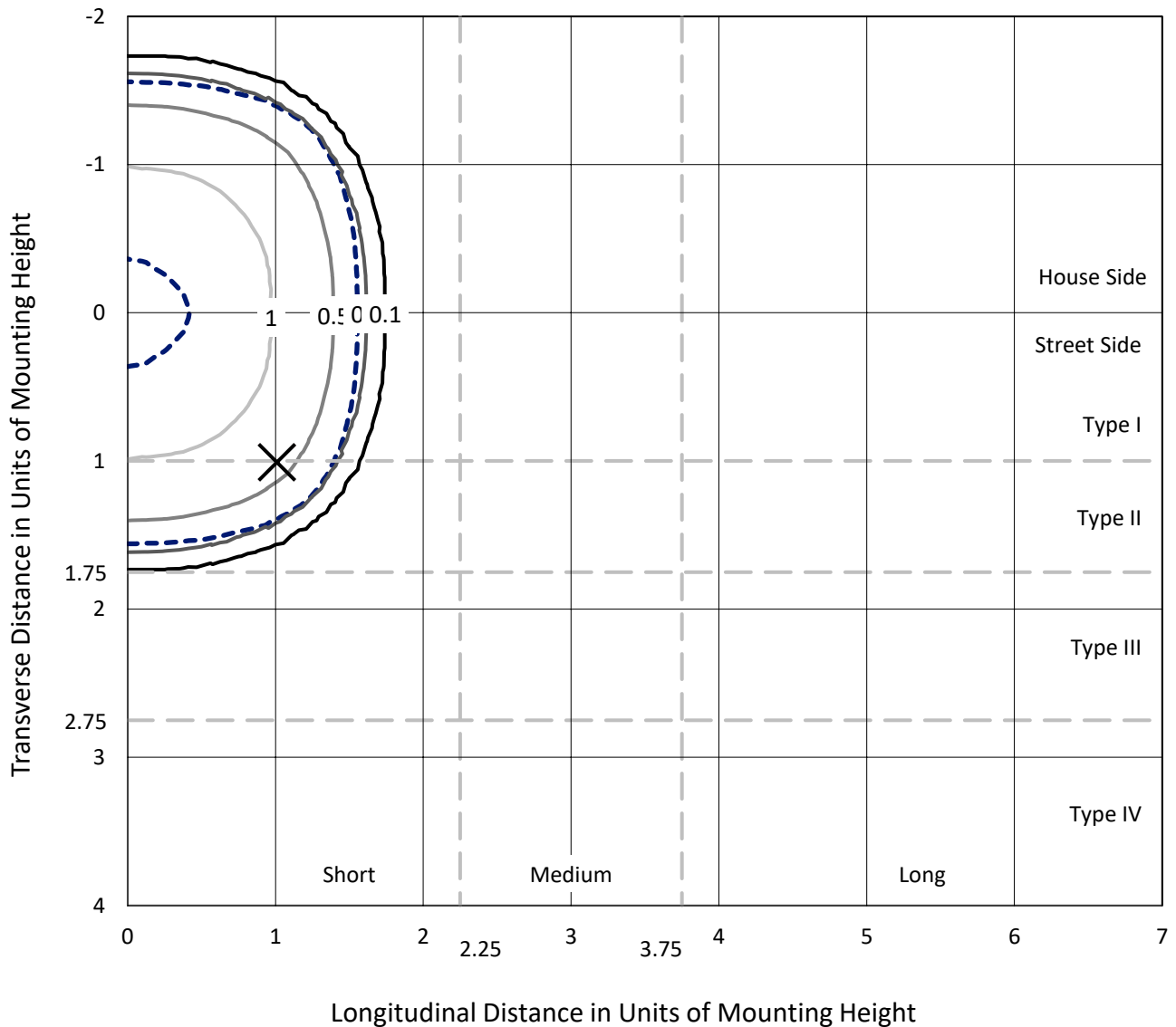
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

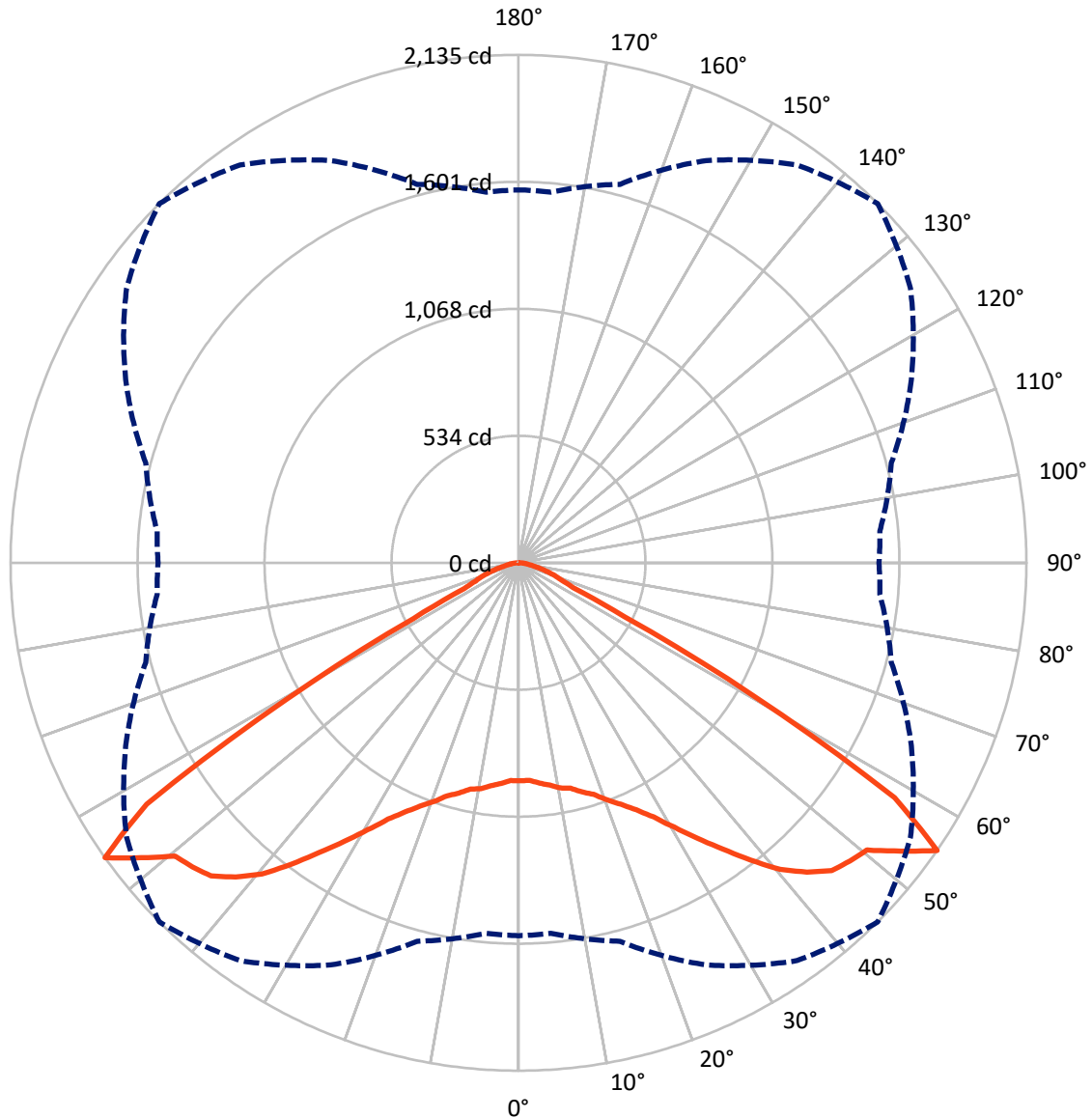
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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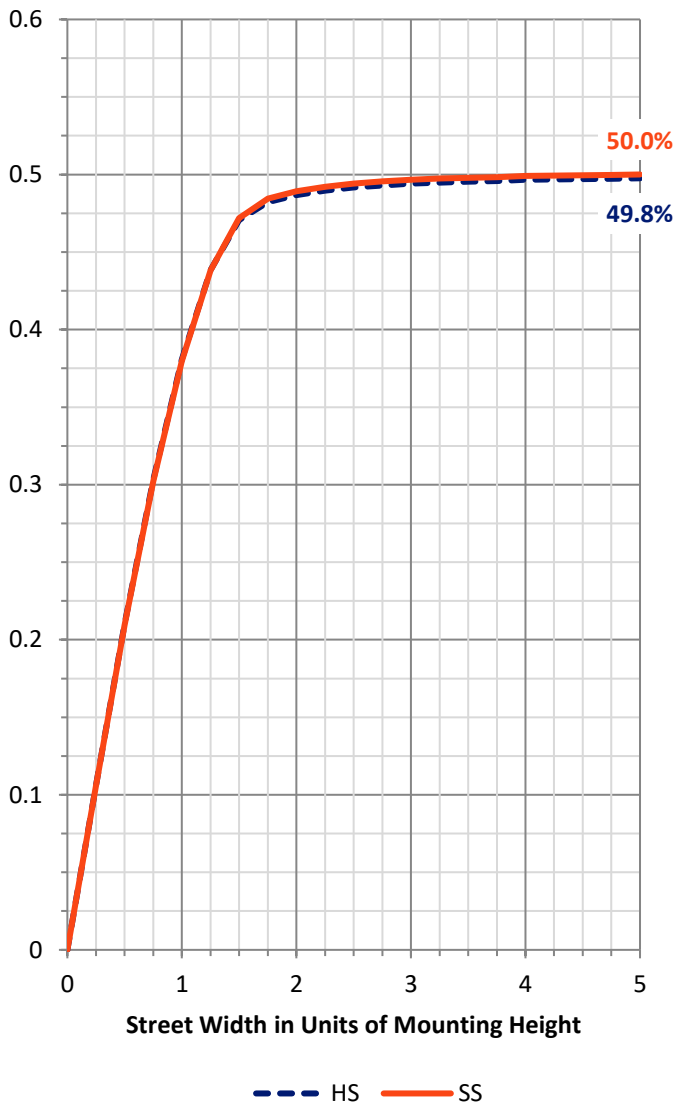
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2508.3	0.0	2508.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2508.3	0.0	2508.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5016.7	0.0	5016.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.8
10°-20°	283.5	5.7
20°-30°	528.7	10.5
30°-40°	885.2	17.6
40°-50°	1377.4	27.5
50°-60°	1430.2	28.5
60°-70°	303.3	6.0
70°-80°	99.9	2.0
80°-90°	19.0	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°	5016.7	100.0
0°-180°	5016.7	100.0

Coefficient of Utilization



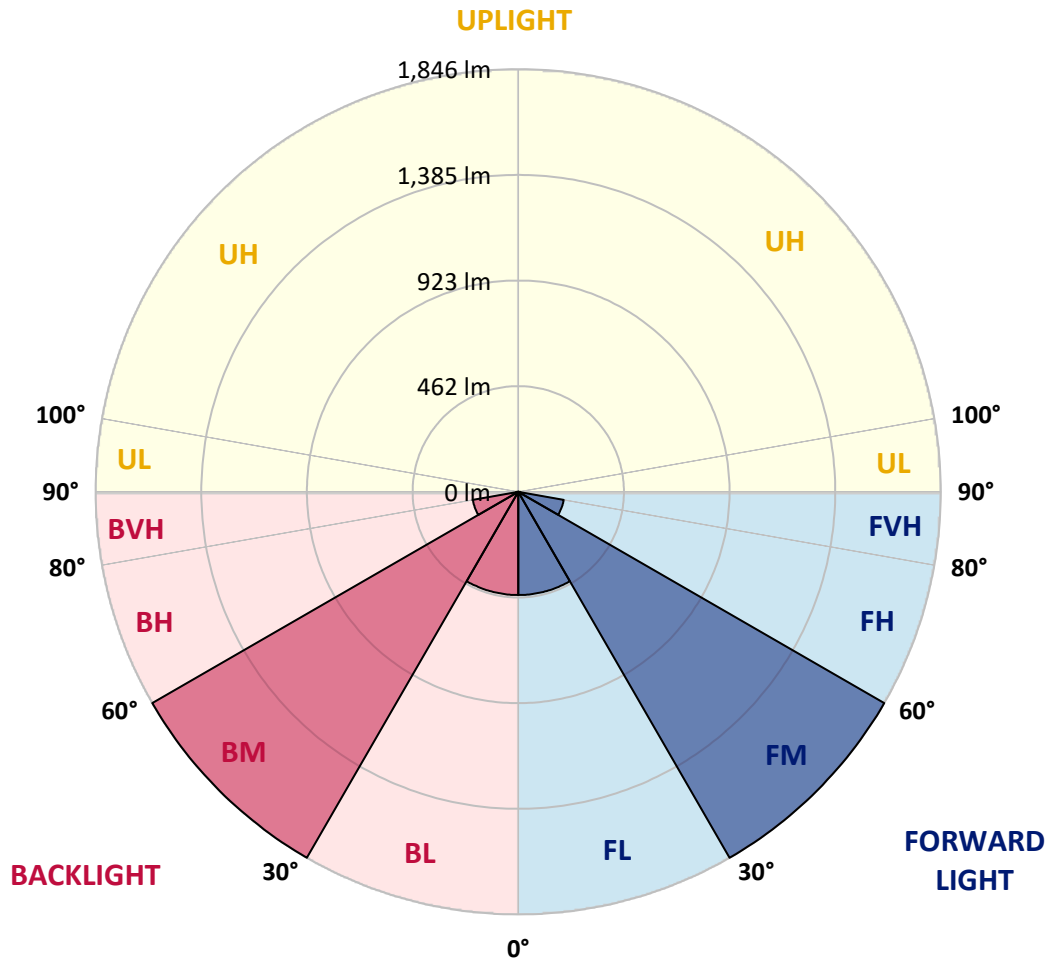
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.8	9.0			
FM (30°-60°)	1846.4	36.8			
FH (60°-80°)	201.6	4.0			G0/660
FVH (80°-90°)	9.5	0.2			G0/10
BL (0°-30°)	450.8	9.0	B1/500		
BM (30°-60°)	1846.4	36.8	B2/2500		
BH (60°-80°)	201.6	4.0	B1/500		G0/660
BVH (80°-90°)	9.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0	916.0
2.5°	926.9	922.6	915.3	920.8	925.0	916.0	919.6	921.4	920.2	915.3	917.2
5°	940.2	937.8	931.8	936.0	930.5	930.5	926.9	922.1	929.3	928.1	931.1
7.5°	940.2	937.2	949.3	941.4	943.8	943.8	937.8	932.9	936.5	931.1	928.1
10°	959.0	963.2	957.8	959.6	958.4	962.6	953.5	950.6	947.5	945.7	942.0
12.5°	981.4	978.4	980.2	979.0	983.3	972.3	966.9	960.2	965.7	957.8	963.2
15°	999.7	997.8	999.7	1004.5	1000.2	999.7	989.9	983.3	974.8	976.6	968.1
17.5°	1024.5	1022.7	1023.3	1027.5	1026.9	1023.9	1016.6	1003.9	1000.8	996.0	990.5
20°	1061.4	1058.5	1057.2	1059.0	1062.1	1064.5	1049.9	1045.1	1034.8	1026.9	1017.8
22.5°	1093.0	1091.7	1096.6	1088.8	1095.4	1102.7	1088.8	1086.3	1060.9	1056.6	1046.9
25°	1136.6	1134.8	1131.7	1143.3	1151.2	1150.5	1137.2	1123.9	1104.5	1099.6	1099.6
27.5°	1182.7	1172.4	1188.1	1191.2	1205.1	1209.3	1197.8	1178.5	1160.2	1150.0	1152.4
30°	1240.3	1230.6	1234.2	1256.1	1274.3	1290.0	1260.9	1232.4	1206.9	1188.8	1185.7
32.5°	1297.9	1288.2	1299.1	1320.3	1356.7	1380.4	1351.8	1302.1	1272.5	1245.8	1251.2
35°	1344.6	1351.8	1369.4	1401.6	1439.2	1477.3	1431.9	1393.7	1351.2	1321.5	1325.8
37.5°	1419.7	1442.1	1456.1	1493.1	1546.4	1585.8	1538.5	1488.8	1443.4	1404.5	1391.2
40°	1517.9	1533.1	1548.9	1592.5	1655.6	1695.0	1650.1	1585.2	1540.4	1500.4	1498.5
42.5°	1625.8	1640.4	1656.7	1710.1	1747.7	1777.4	1736.1	1701.6	1651.9	1620.3	1618.5
45°	1751.3	1741.0	1759.2	1794.3	1825.9	1845.3	1818.6	1801.6	1765.9	1736.8	1733.7
47.5°	1835.0	1825.9	1858.6	1890.2	1895.0	1873.8	1879.2	1895.0	1857.4	1809.5	1824.7
50°	1883.5	1883.5	1905.3	1934.4	1925.3	1898.0	1941.1	1942.3	1904.6	1862.3	1862.3
52.5°	1799.2	1818.0	1879.8	1975.0	2005.3	2013.2	2003.5	1962.3	1864.1	1777.4	1773.1
55°	1567.6	1563.4	1647.0	1865.3	2041.7	2135.0	2011.4	1821.6	1622.2	1524.6	1514.9
57.5°	1019.6	1024.5	1149.4	1371.8	1690.1	1864.1	1655.6	1388.8	1149.4	1014.8	1027.5
60°	458.9	475.3	551.1	717.1	990.5	1132.4	992.9	753.5	578.3	501.9	508.6
62.5°	263.7	266.7	269.7	320.1	421.9	498.9	438.2	338.3	298.2	284.9	284.9
65°	222.5	220.6	221.3	225.5	236.4	252.2	245.5	236.4	237.6	236.4	234.6
67.5°	189.2	191.5	189.7	192.8	193.4	195.8	200.1	203.7	204.3	205.5	204.3
70°	155.2	155.8	157.0	159.4	160.0	161.8	168.0	170.9	172.7	172.7	175.2
72.5°	118.8	118.2	119.4	121.8	124.9	125.5	130.9	135.1	137.6	134.6	135.1
75°	78.2	78.8	80.6	82.4	86.7	90.9	92.8	97.0	97.6	98.8	95.8
77.5°	46.7	47.9	49.7	53.3	57.0	60.6	64.8	67.9	69.1	67.9	64.3
80°	30.3	30.3	32.7	35.8	40.0	43.1	45.5	47.9	49.7	47.9	46.7
82.5°	18.8	18.8	21.8	25.4	28.5	30.3	34.0	37.0	38.8	37.6	35.8
85°	9.7	10.3	12.8	15.7	18.2	19.4	18.8	17.0	15.2	14.6	13.3
87.5°	3.1	3.1	3.6	3.6	3.1	3.1	3.6	3.1	3.6	3.6	3.6
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)