

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: P526560

Luminaire Tested: **GALN-SA1C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526560
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-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 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: 5969 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

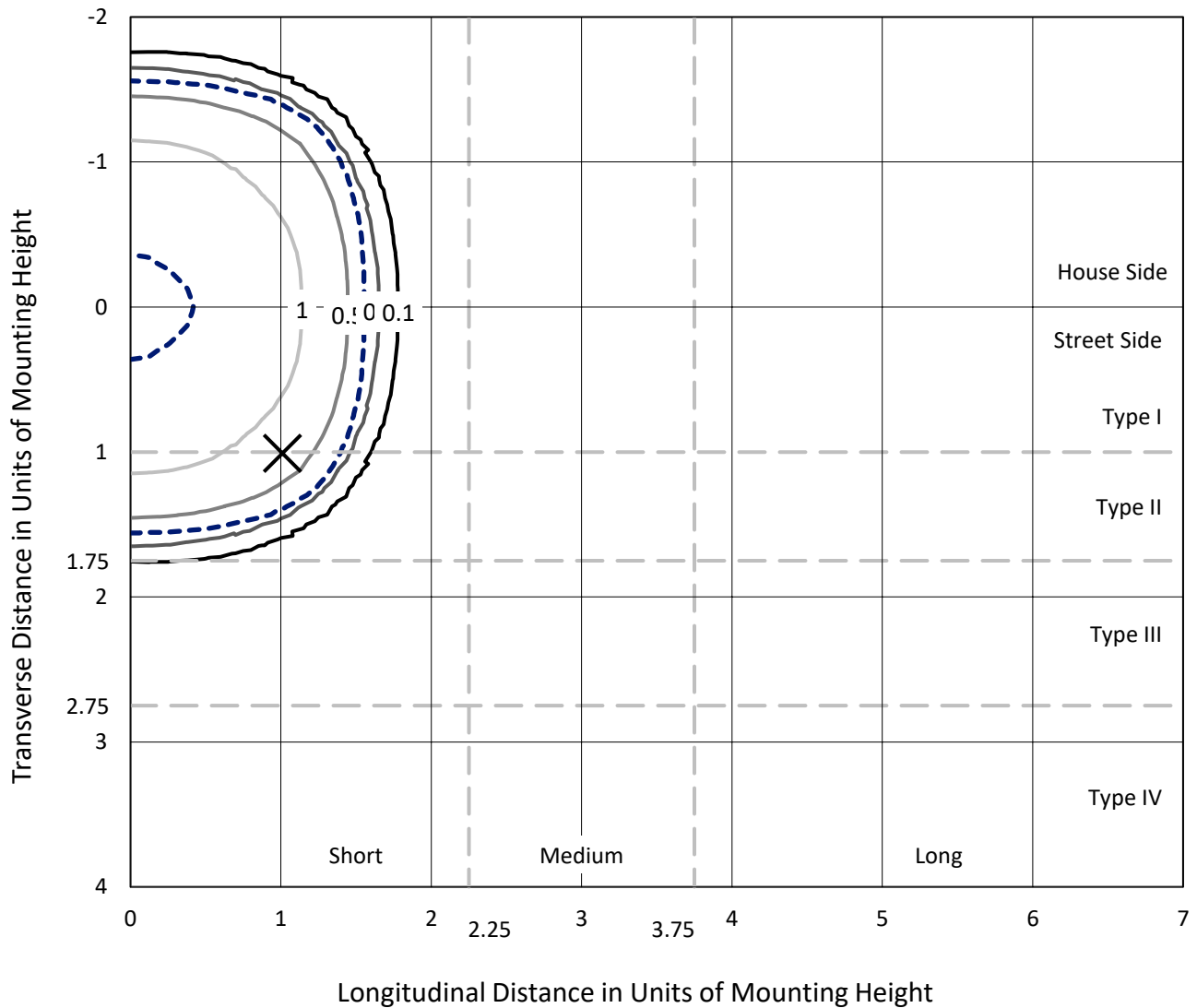
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

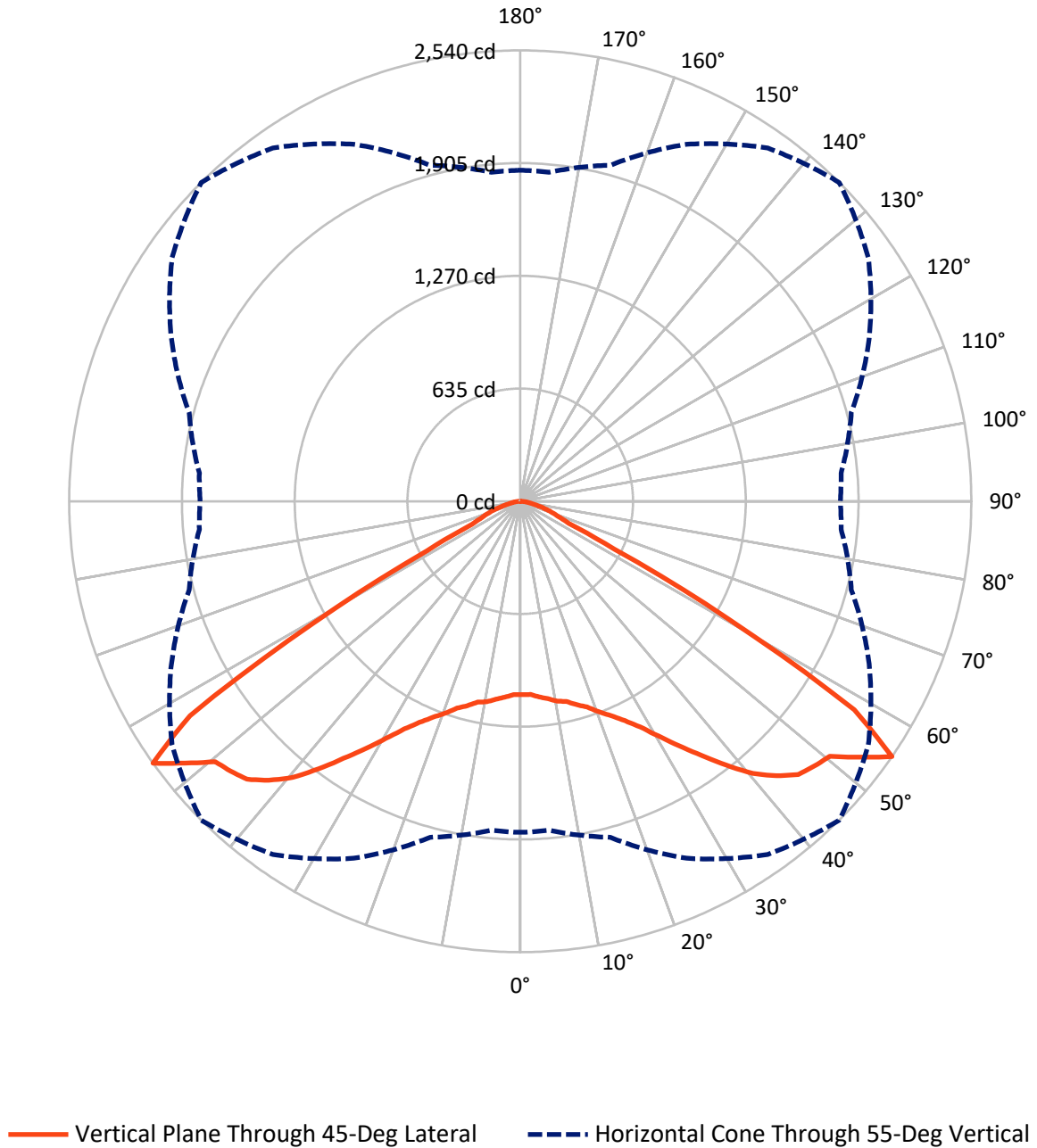
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2984.5	0.0	2984.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2984.5	0.0	2984.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5969.0	0.0	5969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	1.8
10°-20°	337.3	5.7
20°-30°	629.0	10.5
30°-40°	1053.2	17.6
40°-50°	1638.9	27.5
50°-60°	1701.7	28.5
60°-70°	360.9	6.0
70°-80°	118.8	2.0
80°-90°	22.6	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°	5969.0	100.0
0°-180°	5969.0	100.0

Coefficient of Utilization

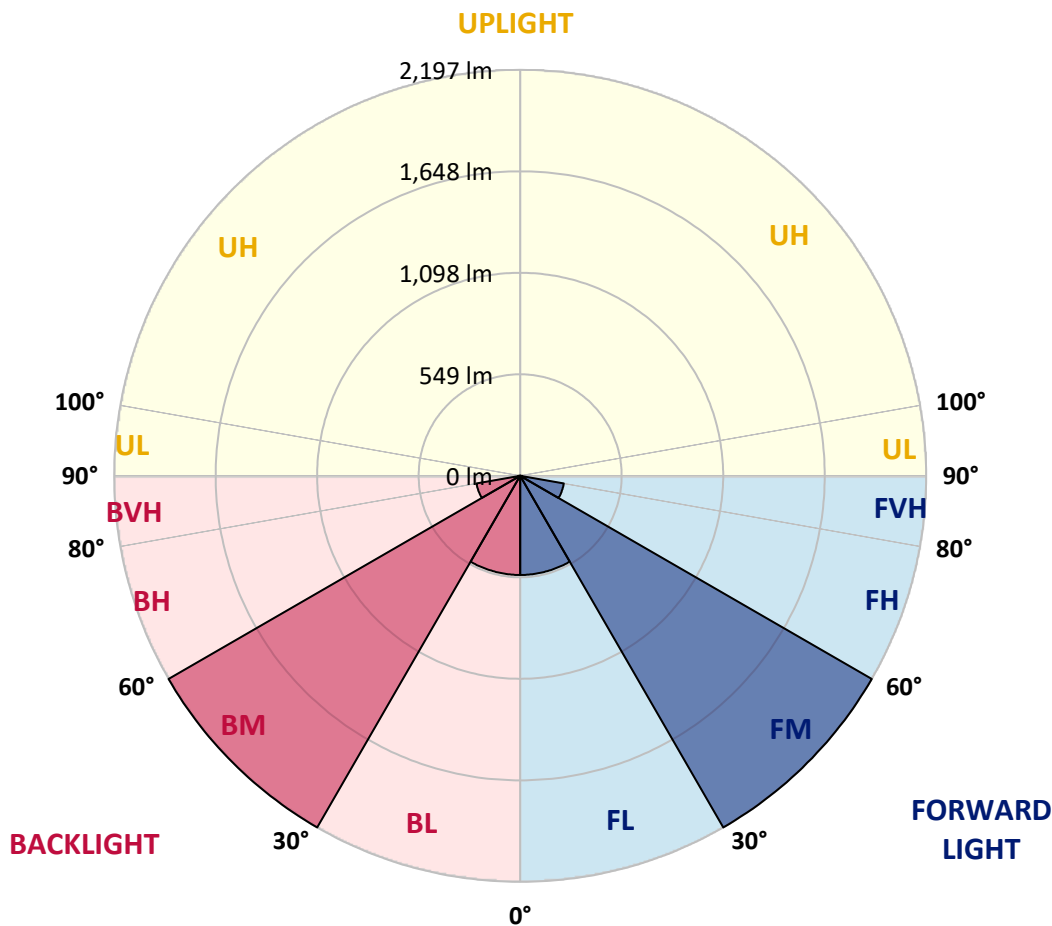


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.4	9.0			
FM (30°-60°)	2196.9	36.8			
FH (60°-80°)	239.9	4.0			G0/660
FVH (80°-90°)	11.3	0.2			G1/100
BL (0°-30°)	536.4	9.0	B2/1000		
BM (30°-60°)	2196.9	36.8	B2/2500		
BH (60°-80°)	239.9	4.0	B1/500		G0/660
BVH (80°-90°)	11.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9	1089.9
2.5°	1102.8	1097.8	1089.1	1095.6	1100.7	1089.9	1094.2	1096.3	1094.9	1089.1	1091.3
5°	1118.7	1115.8	1108.6	1113.7	1107.2	1107.2	1102.8	1097.1	1105.7	1104.3	1107.9
7.5°	1118.7	1115.1	1129.5	1120.1	1123.0	1123.0	1115.8	1110.0	1114.4	1107.9	1104.3
10°	1141.1	1146.1	1139.6	1141.8	1140.3	1145.4	1134.6	1131.0	1127.4	1125.2	1120.9
12.5°	1167.7	1164.1	1166.3	1164.9	1169.9	1156.9	1150.4	1142.5	1149.0	1139.6	1146.1
15°	1189.4	1187.2	1189.4	1195.2	1190.1	1189.4	1177.8	1169.9	1159.8	1162.0	1151.9
17.5°	1219.0	1216.8	1217.5	1222.6	1221.8	1218.2	1209.6	1194.4	1190.8	1185.1	1178.6
20°	1263.0	1259.4	1257.9	1260.1	1263.7	1266.6	1249.3	1243.5	1231.2	1221.8	1211.0
22.5°	1300.5	1299.0	1304.8	1295.4	1303.3	1312.0	1295.4	1292.5	1262.2	1257.2	1245.6
25°	1352.4	1350.2	1346.6	1360.3	1369.7	1369.0	1353.1	1337.2	1314.2	1308.4	1308.4
27.5°	1407.2	1395.0	1413.7	1417.3	1433.9	1438.9	1425.2	1402.2	1380.5	1368.3	1371.1
30°	1475.7	1464.2	1468.5	1494.5	1516.1	1534.9	1500.3	1466.4	1436.1	1414.4	1410.8
32.5°	1544.3	1532.7	1545.7	1570.9	1614.2	1642.3	1608.4	1549.3	1514.0	1482.2	1488.7
35°	1599.8	1608.4	1629.4	1667.6	1712.3	1757.8	1703.7	1658.2	1607.7	1572.4	1577.4
37.5°	1689.2	1715.9	1732.5	1776.5	1840.0	1886.9	1830.6	1771.5	1717.4	1671.2	1655.3
40°	1806.1	1824.1	1842.9	1894.8	1969.8	2016.7	1963.3	1886.1	1832.8	1785.2	1783.0
42.5°	1934.5	1951.8	1971.3	2034.7	2079.4	2114.8	2065.7	2024.6	1965.5	1928.0	1925.8
45°	2083.8	2071.5	2093.1	2135.0	2172.5	2195.6	2163.8	2143.6	2101.1	2066.5	2062.9
47.5°	2183.3	2172.5	2211.4	2248.9	2254.7	2229.5	2236.0	2254.7	2210.0	2153.0	2171.0
50°	2241.0	2241.0	2267.0	2301.6	2290.8	2258.3	2309.5	2311.0	2266.3	2215.8	2215.8
52.5°	2140.8	2163.1	2236.7	2349.9	2386.0	2395.4	2383.8	2334.8	2217.9	2114.8	2109.7
55°	1865.2	1860.2	1959.7	2219.4	2429.3	2540.3	2393.2	2167.4	1930.1	1814.0	1802.5
57.5°	1213.2	1219.0	1367.5	1632.3	2010.9	2217.9	1969.8	1652.4	1367.5	1207.4	1222.6
60°	546.0	565.5	655.6	853.3	1178.6	1347.3	1181.5	896.5	688.1	597.2	605.2
62.5°	313.8	317.4	321.0	380.8	502.0	593.6	521.5	402.5	354.9	339.0	339.0
65°	264.7	262.5	263.3	268.3	281.3	300.1	292.1	281.3	282.7	281.3	279.1
67.5°	225.0	227.9	225.8	229.4	230.1	233.0	238.0	242.3	243.1	244.5	243.1
70°	184.6	185.4	186.8	189.7	190.4	192.6	199.8	203.4	205.6	205.6	208.4
72.5°	141.4	140.6	142.1	145.0	148.6	149.3	155.8	160.8	163.7	160.1	160.8
75°	93.0	93.8	95.9	98.1	103.1	108.2	110.4	115.4	116.1	117.6	114.0
77.5°	55.5	57.0	59.1	63.5	67.8	72.1	77.2	80.8	82.2	80.8	76.5
80°	36.1	36.1	38.9	42.6	47.6	51.2	54.1	57.0	59.1	57.0	55.5
82.5°	22.4	22.4	26.0	30.3	33.9	36.1	40.4	44.0	46.2	44.7	42.6
85°	11.5	12.3	15.1	18.8	21.6	23.1	22.4	20.2	18.0	17.3	15.9
87.5°	3.6	3.6	4.3	4.3	3.6	3.6	4.3	3.6	4.3	4.3	4.3
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)