

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: P526794

Luminaire Tested: **GALN-SA1D-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526794
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-SA1D-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA 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: 6568 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

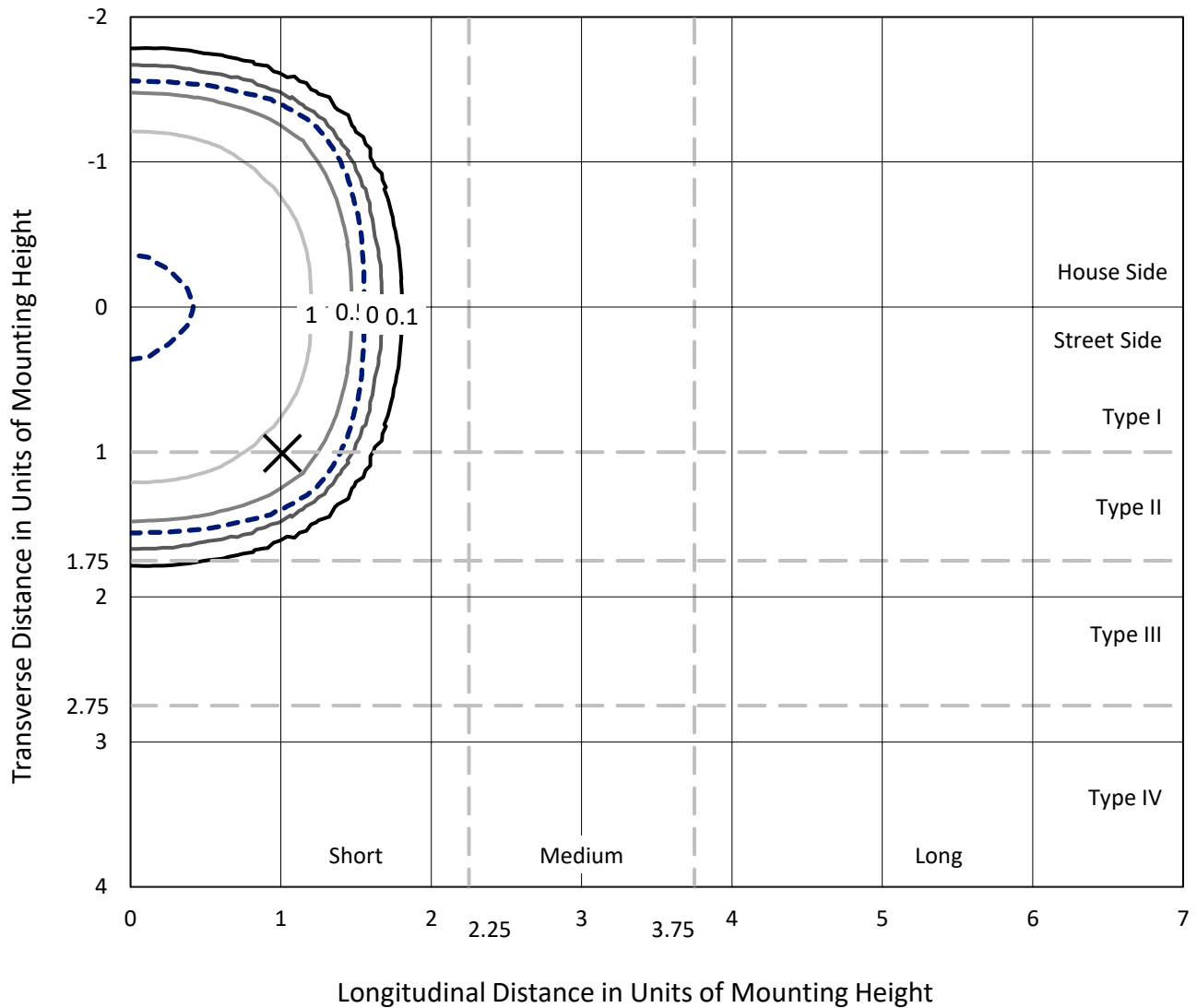
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

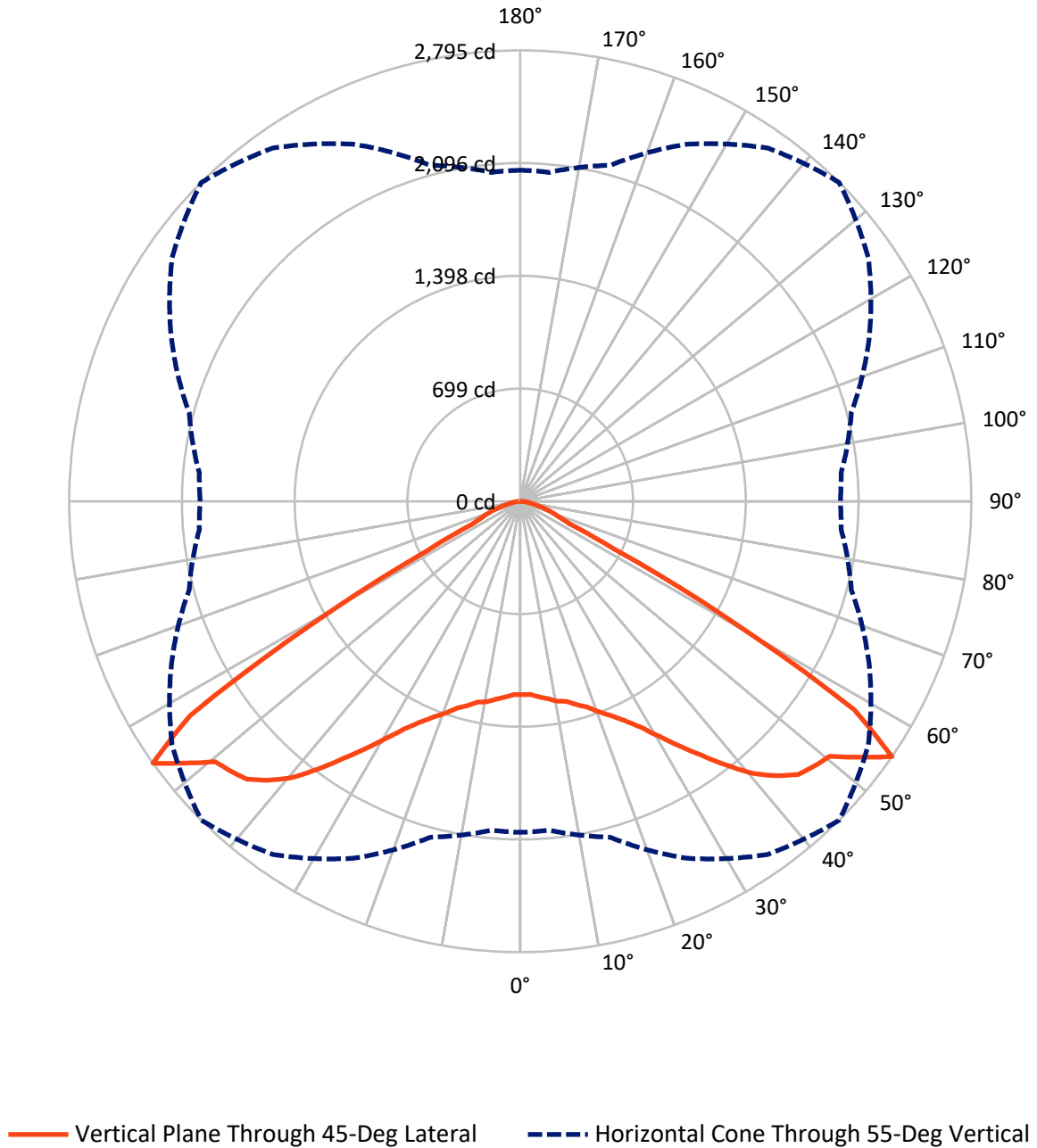
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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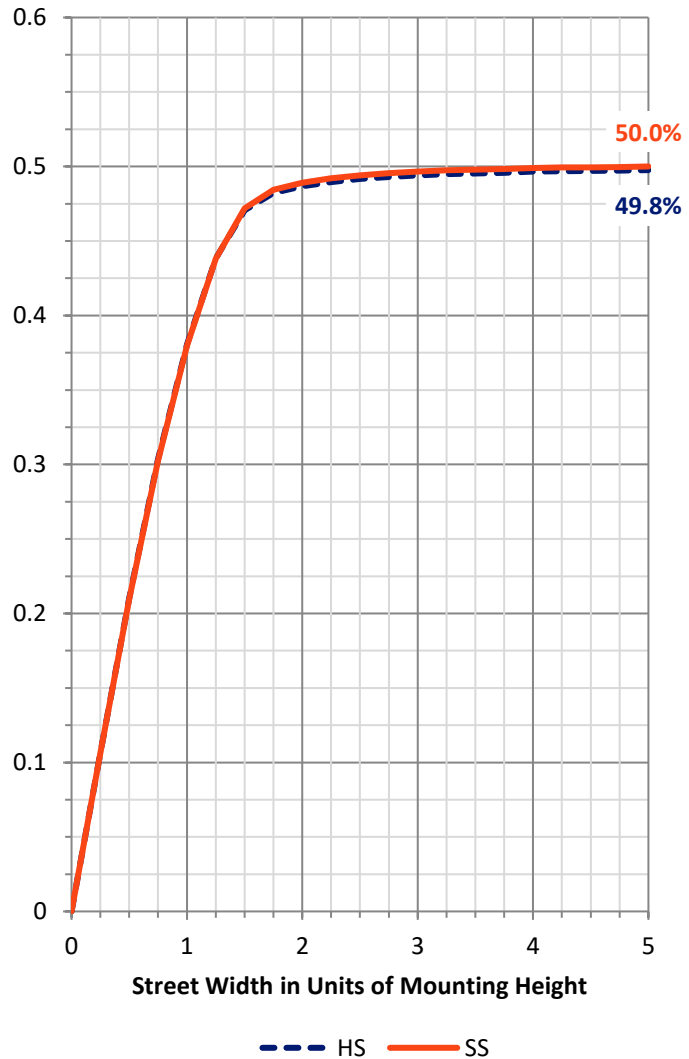
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3284.0	0.0	3284.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3284.0	0.0	3284.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6568.0	0.0	6568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	1.8
10°-20°	371.2	5.7
20°-30°	692.2	10.5
30°-40°	1158.9	17.6
40°-50°	1803.4	27.5
50°-60°	1872.5	28.5
60°-70°	397.1	6.0
70°-80°	130.8	2.0
80°-90°	24.9	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°	6568.0	100.0
0°-180°	6568.0	100.0

Coefficient of Utilization



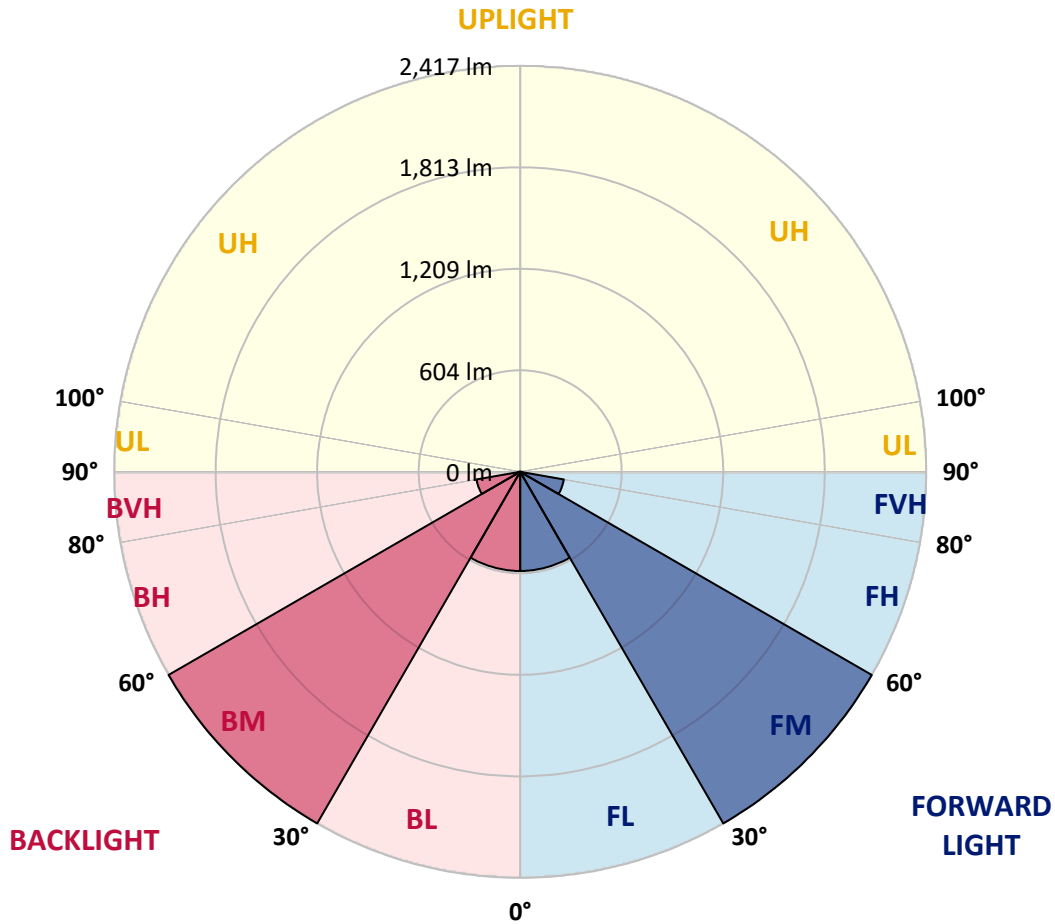
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.3	9.0			
FM (30°-60°)	2417.4	36.8			
FH (60°-80°)	263.9	4.0			G0/660
FVH (80°-90°)	12.5	0.2			G1/100
BL (0°-30°)	590.3	9.0	B2/1000		
BM (30°-60°)	2417.4	36.8	B2/2500		
BH (60°-80°)	263.9	4.0	B1/500		G0/660
BVH (80°-90°)	12.5	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°	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2	1199.2
2.5°	1213.5	1207.9	1198.4	1205.6	1211.1	1199.2	1204.0	1206.4	1204.8	1198.4	1200.8
5°	1231.0	1227.8	1219.9	1225.4	1218.3	1218.3	1213.5	1207.2	1216.7	1215.1	1219.1
7.5°	1231.0	1227.0	1242.9	1232.6	1235.7	1235.7	1227.8	1221.4	1226.2	1219.1	1215.1
10°	1255.6	1261.1	1254.0	1256.4	1254.8	1260.3	1248.4	1244.5	1240.5	1238.1	1233.3
12.5°	1284.9	1281.0	1283.3	1281.8	1287.3	1273.0	1265.9	1257.2	1264.3	1254.0	1261.1
15°	1308.7	1306.4	1308.7	1315.1	1309.5	1308.7	1296.0	1287.3	1276.2	1278.6	1267.5
17.5°	1341.3	1338.9	1339.7	1345.3	1344.5	1340.5	1331.0	1314.3	1310.3	1304.0	1296.8
20°	1389.7	1385.7	1384.1	1386.5	1390.5	1393.7	1374.6	1368.3	1354.8	1344.5	1332.6
22.5°	1431.0	1429.4	1435.7	1425.4	1434.1	1443.7	1425.4	1422.2	1388.9	1383.3	1370.6
25°	1488.1	1485.7	1481.8	1496.8	1507.2	1506.4	1488.9	1471.4	1446.0	1439.7	1439.7
27.5°	1548.4	1534.9	1555.6	1559.5	1577.8	1583.3	1568.3	1542.9	1519.1	1505.6	1508.7
30°	1623.8	1611.1	1615.9	1644.5	1668.3	1688.9	1650.8	1613.5	1580.2	1556.4	1552.4
32.5°	1699.2	1686.5	1700.8	1728.6	1776.2	1807.2	1769.9	1704.8	1665.9	1631.0	1638.1
35°	1760.3	1769.9	1792.9	1834.9	1884.1	1934.1	1874.6	1824.6	1769.1	1730.2	1735.7
37.5°	1858.7	1888.1	1906.4	1954.8	2024.6	2076.2	2014.3	1949.2	1889.7	1838.9	1821.4
40°	1987.3	2007.2	2027.8	2084.9	2167.5	2219.1	2160.3	2075.4	2016.7	1964.3	1961.9
42.5°	2128.6	2147.6	2169.1	2238.9	2288.1	2327.0	2273.0	2227.8	2162.7	2121.5	2119.1
45°	2292.9	2279.4	2303.2	2349.2	2390.5	2415.9	2381.0	2358.8	2311.9	2273.8	2269.9
47.5°	2402.4	2390.5	2433.4	2474.6	2481.0	2453.2	2460.3	2481.0	2431.8	2369.1	2388.9
50°	2465.9	2465.9	2494.5	2532.6	2520.7	2484.9	2541.3	2542.9	2493.7	2438.1	2438.1
52.5°	2355.6	2380.2	2461.1	2585.7	2625.4	2635.7	2623.0	2569.1	2440.5	2327.0	2321.5
55°	2052.4	2046.8	2156.4	2442.1	2673.0	2795.3	2633.4	2384.9	2123.8	1996.1	1983.4
57.5°	1334.9	1341.3	1504.8	1796.1	2212.7	2440.5	2167.5	1818.3	1504.8	1328.6	1345.3
60°	600.8	622.2	721.4	938.9	1296.8	1482.6	1300.0	986.5	757.2	657.1	665.9
62.5°	345.2	349.2	353.2	419.1	552.4	653.2	573.8	442.9	390.5	373.0	373.0
65°	291.3	288.9	289.7	295.2	309.5	330.2	321.4	309.5	311.1	309.5	307.1
67.5°	247.6	250.8	248.4	252.4	253.2	256.4	261.9	266.7	267.5	269.1	267.5
70°	203.2	204.0	205.6	208.7	209.5	211.9	219.8	223.8	226.2	226.2	229.4
72.5°	155.6	154.8	156.4	159.5	163.5	164.3	171.4	177.0	180.2	176.2	177.0
75°	102.4	103.2	105.6	107.9	113.5	119.0	121.4	127.0	127.8	129.4	125.4
77.5°	61.1	62.7	65.1	69.8	74.6	79.4	84.9	88.9	90.5	88.9	84.1
80°	39.7	39.7	42.9	46.8	52.4	56.3	59.5	62.7	65.1	62.7	61.1
82.5°	24.6	24.6	28.6	33.3	37.3	39.7	44.4	48.4	50.8	49.2	46.8
85°	12.7	13.5	16.7	20.6	23.8	25.4	24.6	22.2	19.8	19.0	17.5
87.5°	4.0	4.0	4.8	4.8	4.0	4.0	4.8	4.0	4.8	4.8	4.8
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)