

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: P526768

Luminaire Tested: **GALN-SA1D-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526768
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-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 6421 lumens
Efficiency: N/A
Efficacy: 98.8 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

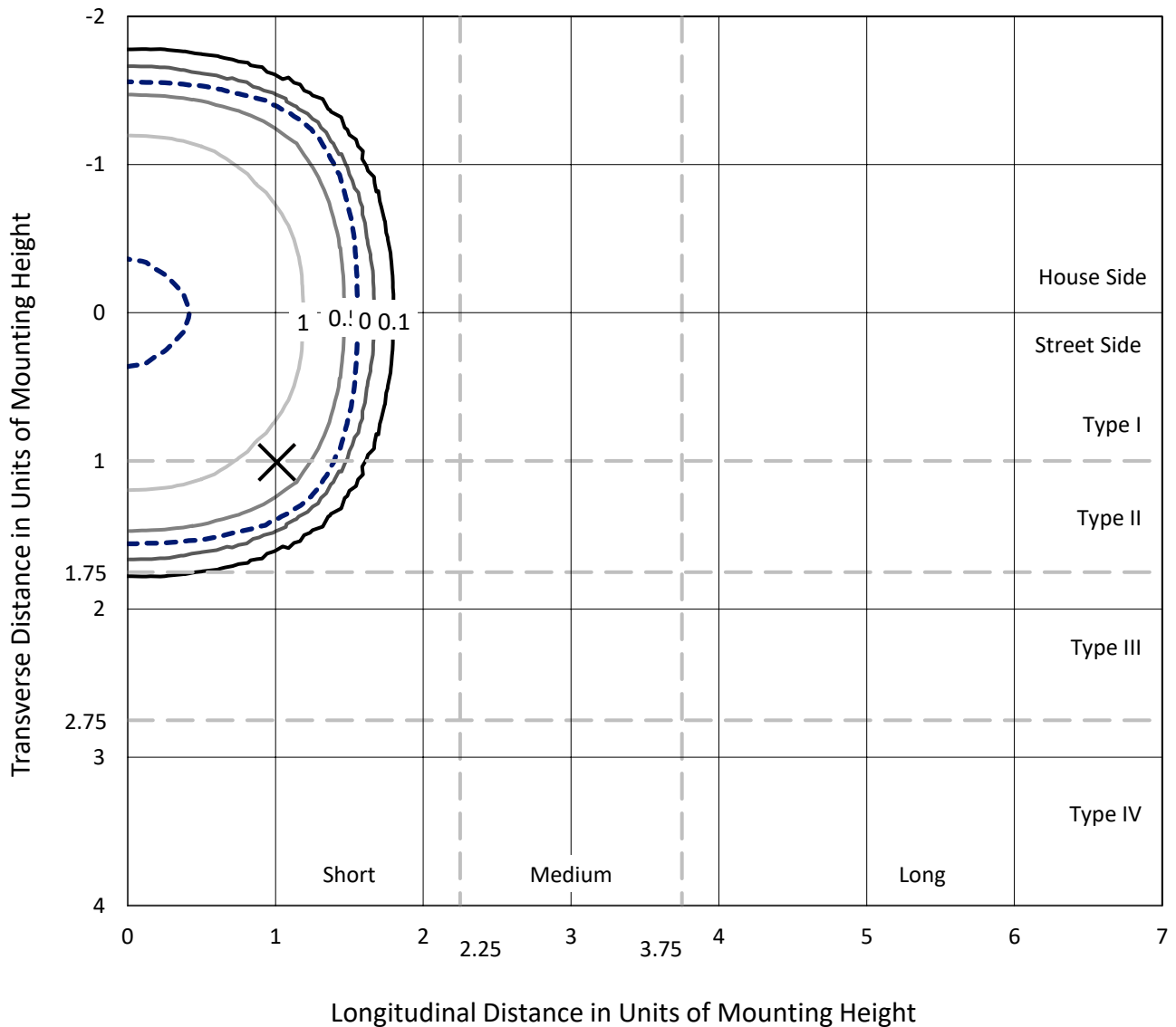
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

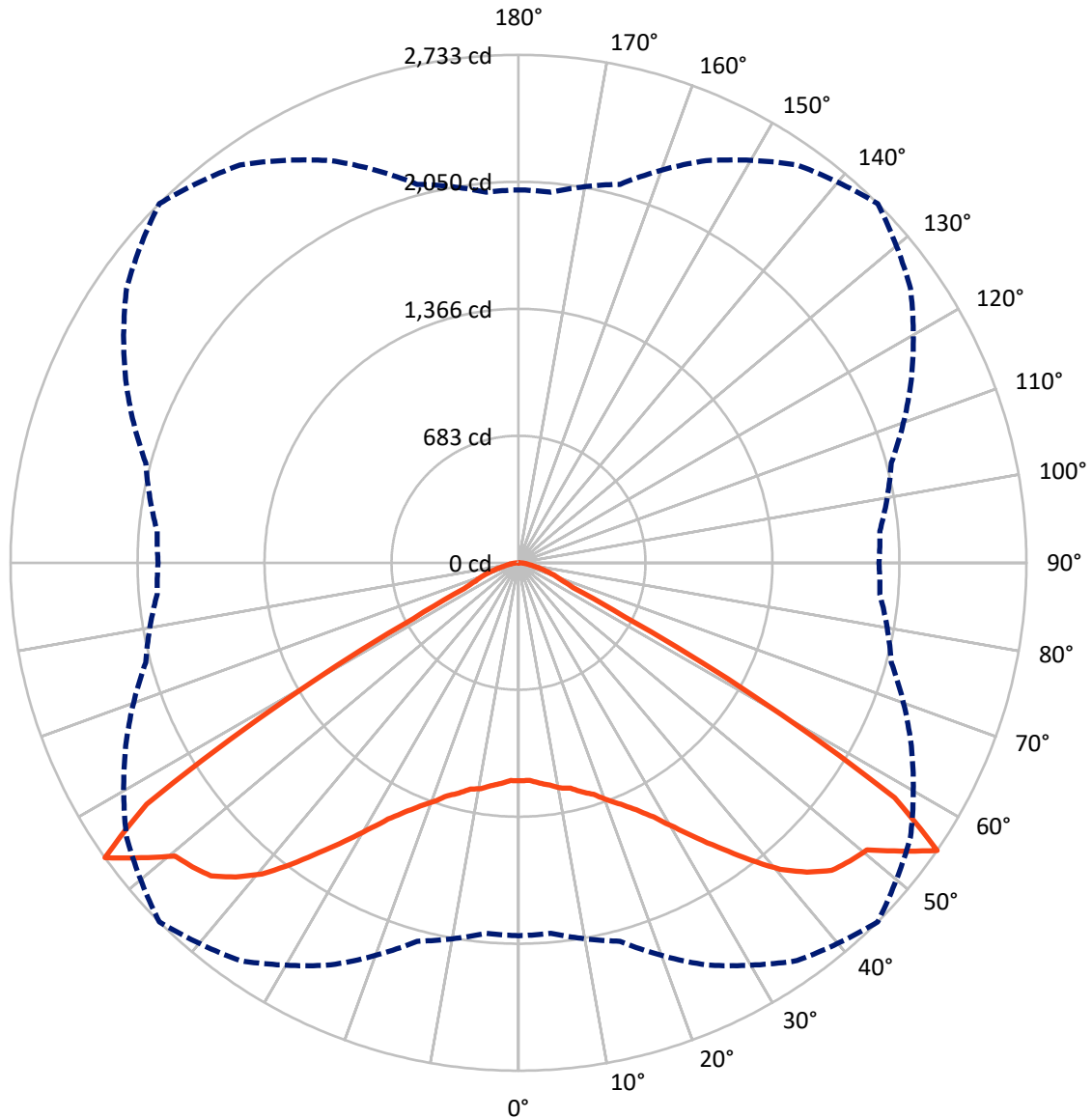
✕ Max cd
 - - - 1/2 Max cd



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



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

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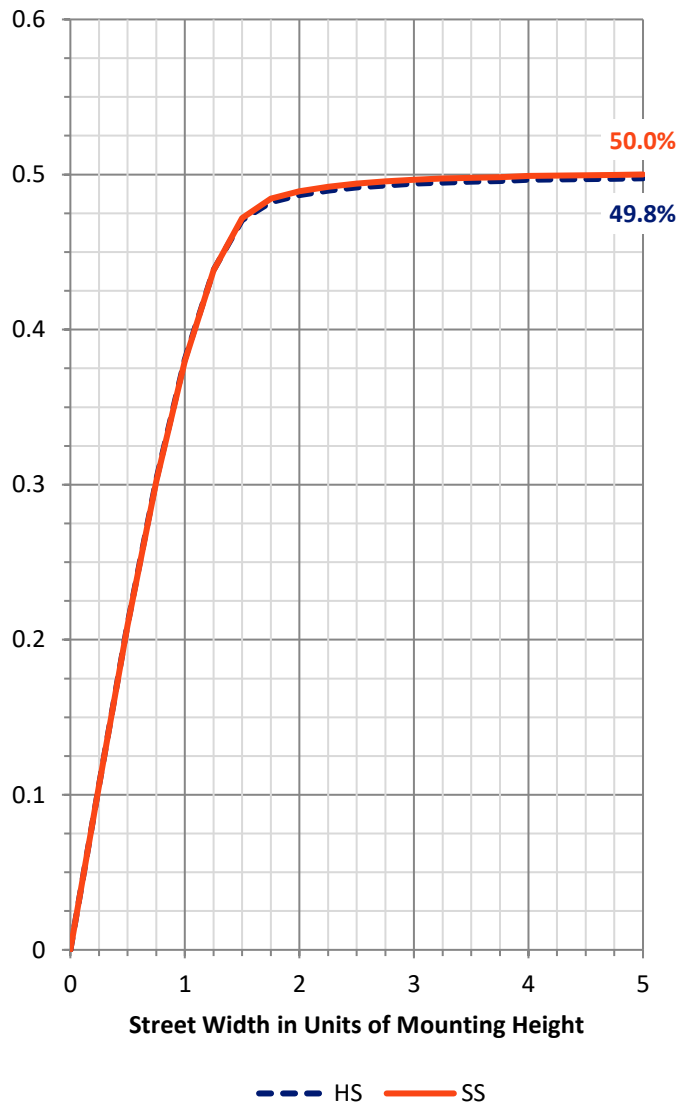
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3210.5	0.0	3210.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3210.5	0.0	3210.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6421.0	0.0	6421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.8
10°-20°	362.9	5.7
20°-30°	676.7	10.5
30°-40°	1133.0	17.6
40°-50°	1763.0	27.5
50°-60°	1830.5	28.5
60°-70°	388.2	6.0
70°-80°	127.8	2.0
80°-90°	24.4	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°	6421.0	100.0
0°-180°	6421.0	100.0

Coefficient of Utilization



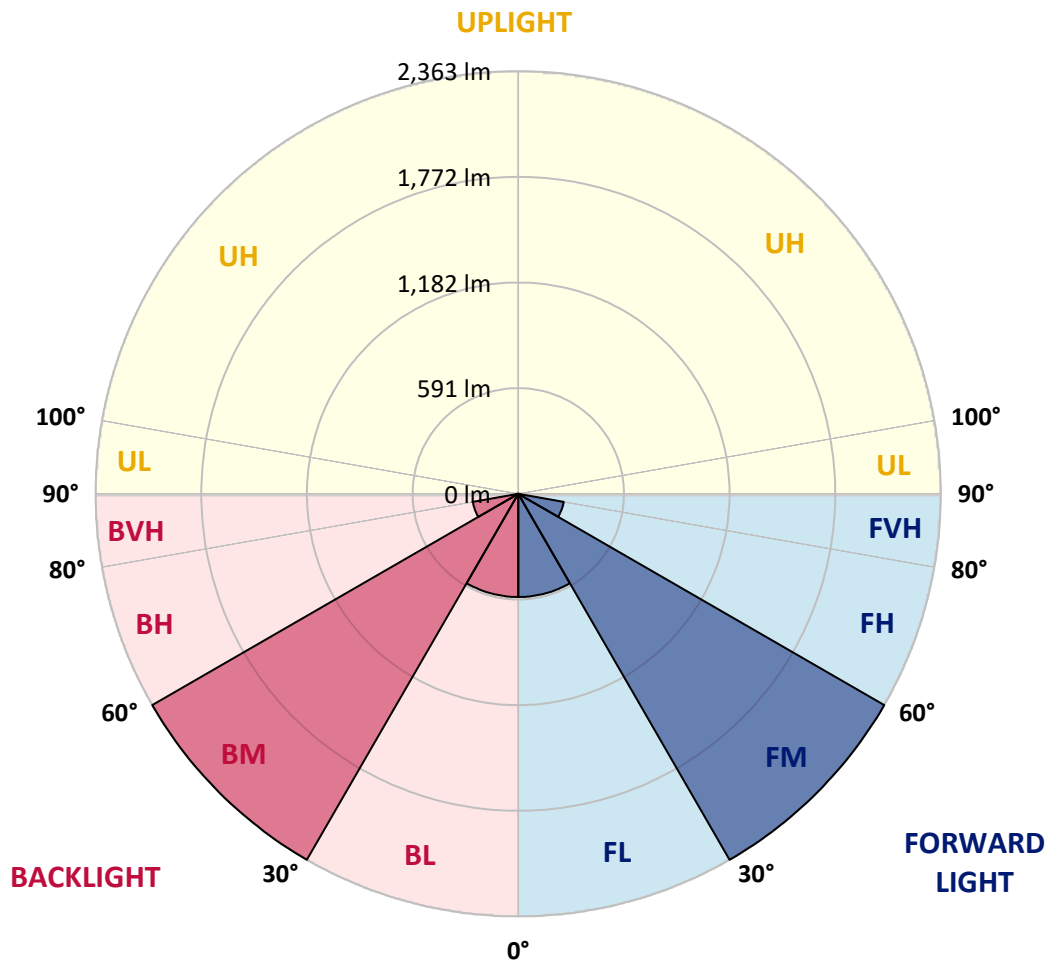
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.0	9.0			
FM (30°-60°)	2363.3	36.8			
FH (60°-80°)	258.0	4.0			G0/660
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	577.0	9.0	B2/1000		
BM (30°-60°)	2363.3	36.8	B2/2500		
BH (60°-80°)	258.0	4.0	B1/500		G0/660
BVH (80°-90°)	12.2	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°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1186.3	1180.9	1171.6	1178.6	1184.0	1172.4	1177.0	1179.4	1177.8	1171.6	1173.9
5°	1203.4	1200.3	1192.6	1198.0	1191.0	1191.0	1186.3	1180.1	1189.4	1187.9	1191.8
7.5°	1203.4	1199.5	1215.1	1205.0	1208.1	1208.1	1200.3	1194.1	1198.8	1191.8	1187.9
10°	1227.5	1232.9	1225.9	1228.2	1226.7	1232.1	1220.5	1216.6	1212.7	1210.4	1205.7
12.5°	1256.2	1252.3	1254.6	1253.1	1258.5	1244.5	1237.6	1229.0	1236.0	1225.9	1232.9
15°	1279.5	1277.1	1279.5	1285.7	1280.2	1279.5	1267.0	1258.5	1247.6	1250.0	1239.1
17.5°	1311.3	1308.9	1309.7	1315.1	1314.4	1310.5	1301.2	1284.9	1281.0	1274.8	1267.8
20°	1358.6	1354.7	1353.2	1355.5	1359.4	1362.5	1343.9	1337.6	1324.5	1314.4	1302.7
22.5°	1398.9	1397.4	1403.6	1393.5	1402.0	1411.4	1393.5	1390.4	1357.8	1352.4	1340.0
25°	1454.8	1452.5	1448.6	1463.3	1473.4	1472.7	1455.6	1438.5	1413.7	1407.5	1407.5
27.5°	1513.8	1500.6	1520.8	1524.6	1542.5	1547.9	1533.2	1508.3	1485.1	1471.9	1475.0
30°	1587.5	1575.1	1579.7	1607.7	1630.9	1651.1	1613.9	1577.4	1544.8	1521.5	1517.7
32.5°	1661.2	1648.8	1662.7	1689.9	1736.5	1766.7	1730.2	1666.6	1628.6	1594.5	1601.4
35°	1720.9	1730.2	1752.7	1793.9	1842.0	1890.9	1832.7	1783.8	1729.5	1691.5	1696.9
37.5°	1817.1	1845.9	1863.7	1911.0	1979.3	2029.7	1969.2	1905.6	1847.4	1797.8	1780.7
40°	1942.8	1962.2	1982.4	2038.3	2119.0	2169.4	2112.0	2029.0	1971.6	1920.3	1918.0
42.5°	2081.0	2099.6	2120.5	2188.8	2236.9	2274.9	2222.2	2177.9	2114.3	2074.0	2071.6
45°	2241.6	2228.4	2251.7	2296.7	2337.0	2361.8	2327.7	2306.0	2260.2	2222.9	2219.1
47.5°	2348.6	2337.0	2378.9	2419.2	2425.5	2398.3	2405.3	2425.5	2377.3	2316.0	2335.4
50°	2410.7	2410.7	2438.6	2475.9	2464.2	2429.3	2484.4	2486.0	2437.9	2383.6	2383.6
52.5°	2302.9	2326.9	2406.1	2527.9	2566.7	2576.8	2564.3	2511.6	2385.9	2274.9	2269.5
55°	2006.5	2001.0	2108.1	2387.4	2613.2	2732.7	2574.4	2331.6	2076.3	1951.4	1939.0
57.5°	1305.1	1311.3	1471.1	1755.9	2163.2	2385.9	2119.0	1777.6	1471.1	1298.8	1315.1
60°	587.4	608.3	705.3	917.9	1267.8	1449.4	1270.9	964.4	740.2	642.4	651.0
62.5°	337.5	341.4	345.3	409.7	540.0	638.6	561.0	432.9	381.7	364.7	364.7
65°	284.8	282.4	283.2	288.6	302.6	322.8	314.2	302.6	304.2	302.6	300.3
67.5°	242.1	245.2	242.9	246.7	247.5	250.6	256.0	260.7	261.5	263.0	261.5
70°	198.6	199.4	201.0	204.1	204.8	207.2	214.9	218.8	221.1	221.1	224.2
72.5°	152.1	151.3	152.9	156.0	159.8	160.6	167.6	173.0	176.1	172.2	173.0
75°	100.1	100.9	103.2	105.5	111.0	116.4	118.7	124.1	124.9	126.5	122.6
77.5°	59.7	61.3	63.6	68.3	72.9	77.6	83.0	86.9	88.5	86.9	82.2
80°	38.8	38.8	41.9	45.8	51.2	55.1	58.2	61.3	63.6	61.3	59.7
82.5°	24.1	24.1	27.9	32.6	36.5	38.8	43.5	47.3	49.7	48.1	45.8
85°	12.4	13.2	16.3	20.2	23.3	24.8	24.1	21.7	19.4	18.6	17.1
87.5°	3.9	3.9	4.7	4.7	3.9	3.9	4.7	3.9	4.7	4.7	4.7
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)