

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: P526742

Luminaire Tested: **GALN-SA1D-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526742
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-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 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: 5897 lumens
Efficiency: N/A
Efficacy: 90.7 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

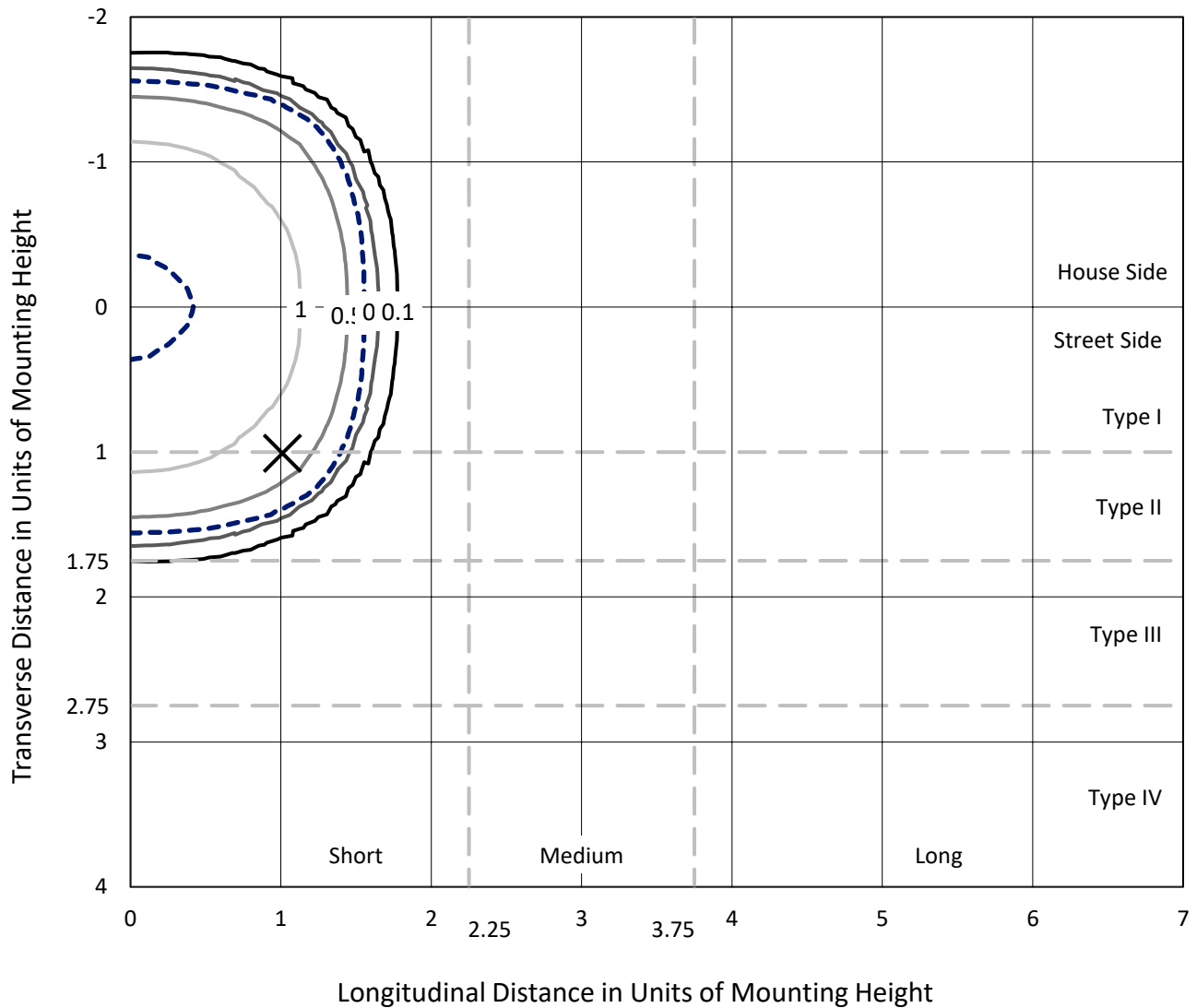
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526742
 CATALOG NUMBER: GALN-SA1D-727-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

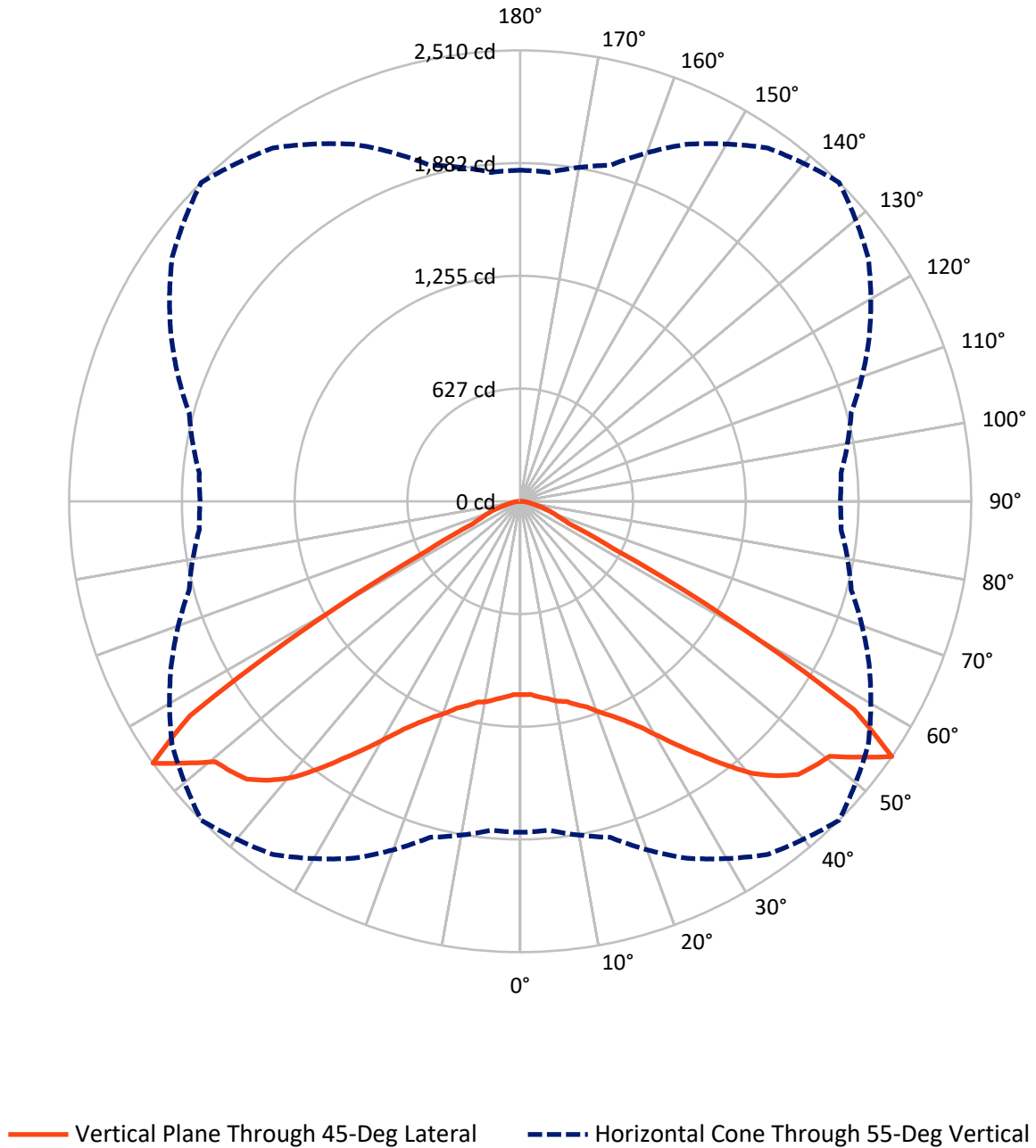
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P526742
CATALOG NUMBER: GALN-SA1D-727-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526742
 CATALOG NUMBER: GALN-SA1D-727-U-5NQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2948.5	0.0	2948.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2948.5	0.0	2948.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5897.0	0.0	5897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.8
10°-20°	333.3	5.7
20°-30°	621.5	10.5
30°-40°	1040.5	17.6
40°-50°	1619.1	27.5
50°-60°	1681.2	28.5
60°-70°	356.5	6.0
70°-80°	117.4	2.0
80°-90°	22.4	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°	5897.0	100.0
0°-180°	5897.0	100.0

Coefficient of Utilization

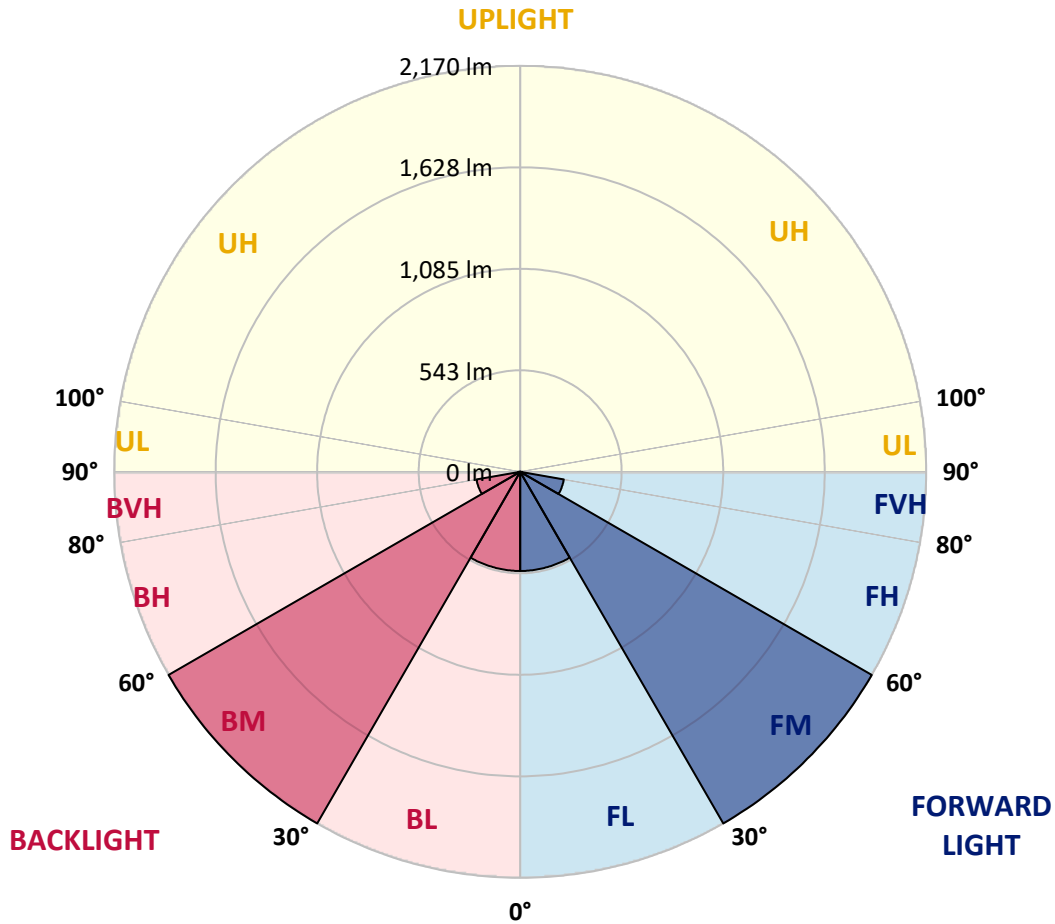


REPORT NUMBER: P526742
 CATALOG NUMBER: GALN-SA1D-727-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.0	9.0			
FM (30°-60°)	2170.4	36.8			
FH (60°-80°)	237.0	4.0			G0/660
FVH (80°-90°)	11.2	0.2			G1/100
BL (0°-30°)	530.0	9.0	B2/1000		
BM (30°-60°)	2170.4	36.8	B2/2500		
BH (60°-80°)	237.0	4.0	B1/500		G0/660
BVH (80°-90°)	11.2	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





REPORT NUMBER: P526742

CATALOG NUMBER: GALN-SA1D-727-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7	1076.7
2.5°	1089.5	1084.5	1076.0	1082.4	1087.4	1076.7	1081.0	1083.1	1081.7	1076.0	1078.1
5°	1105.2	1102.4	1095.2	1100.2	1093.8	1093.8	1089.5	1083.8	1092.4	1091.0	1094.5
7.5°	1105.2	1101.6	1115.9	1106.6	1109.5	1109.5	1102.4	1096.7	1100.9	1094.5	1091.0
10°	1127.3	1132.3	1125.9	1128.0	1126.6	1131.6	1120.9	1117.3	1113.8	1111.6	1107.3
12.5°	1153.7	1150.1	1152.2	1150.8	1155.8	1143.0	1136.6	1128.7	1135.1	1125.9	1132.3
15°	1175.0	1172.9	1175.0	1180.7	1175.8	1175.0	1163.6	1155.8	1145.8	1148.0	1138.0
17.5°	1204.3	1202.1	1202.8	1207.8	1207.1	1203.5	1195.0	1180.0	1176.5	1170.8	1164.4
20°	1247.7	1244.2	1242.7	1244.9	1248.4	1251.3	1234.2	1228.5	1216.4	1207.1	1196.4
22.5°	1284.8	1283.4	1289.1	1279.8	1287.6	1296.2	1279.8	1276.9	1247.0	1242.0	1230.6
25°	1336.1	1333.9	1330.4	1343.9	1353.2	1352.5	1336.8	1321.1	1298.3	1292.6	1292.6
27.5°	1390.2	1378.1	1396.7	1400.2	1416.6	1421.6	1408.1	1385.3	1363.9	1351.8	1354.6
30°	1457.9	1446.5	1450.8	1476.5	1497.8	1516.4	1482.2	1448.7	1418.7	1397.4	1393.8
32.5°	1525.6	1514.2	1527.1	1552.0	1594.7	1622.5	1589.0	1530.6	1495.7	1464.3	1470.8
35°	1580.5	1589.0	1609.7	1647.5	1691.7	1736.6	1683.1	1638.2	1588.3	1553.4	1558.4
37.5°	1668.9	1695.2	1711.6	1755.1	1817.8	1864.1	1808.5	1750.1	1696.6	1651.0	1635.4
40°	1784.3	1802.1	1820.6	1871.9	1946.0	1992.4	1939.6	1863.4	1810.7	1763.6	1761.5
42.5°	1911.1	1928.2	1947.5	2010.2	2054.4	2089.3	2040.8	2000.2	1941.8	1904.7	1902.6
45°	2058.6	2046.5	2067.9	2109.2	2146.3	2169.1	2137.7	2117.8	2075.7	2041.5	2038.0
47.5°	2157.0	2146.3	2184.8	2221.8	2227.5	2202.6	2209.0	2227.5	2183.3	2127.0	2144.9
50°	2214.0	2214.0	2239.6	2273.8	2263.1	2231.1	2281.7	2283.1	2238.9	2189.0	2189.0
52.5°	2114.9	2137.0	2209.7	2321.6	2357.2	2366.5	2355.1	2306.6	2191.2	2089.3	2084.3
55°	1842.7	1837.7	1936.1	2192.6	2400.0	2509.7	2364.3	2141.3	1906.9	1792.1	1780.7
57.5°	1198.6	1204.3	1351.0	1612.6	1986.7	2191.2	1946.0	1632.5	1351.0	1192.9	1207.8
60°	539.4	558.7	647.7	843.0	1164.4	1331.1	1167.2	885.7	679.8	590.0	597.9
62.5°	310.0	313.5	317.1	376.2	496.0	586.5	515.2	397.6	350.6	334.9	334.9
65°	261.5	259.4	260.1	265.1	277.9	296.4	288.6	277.9	279.3	277.9	275.8
67.5°	222.3	225.2	223.0	226.6	227.3	230.2	235.2	239.4	240.1	241.6	240.1
70°	182.4	183.1	184.6	187.4	188.1	190.3	197.4	200.9	203.1	203.1	205.9
72.5°	139.7	139.0	140.4	143.2	146.8	147.5	153.9	158.9	161.8	158.2	158.9
75°	91.9	92.6	94.8	96.9	101.9	106.9	109.0	114.0	114.7	116.2	112.6
77.5°	54.9	56.3	58.4	62.7	67.0	71.3	76.2	79.8	81.2	79.8	75.5
80°	35.6	35.6	38.5	42.0	47.0	50.6	53.4	56.3	58.4	56.3	54.9
82.5°	22.1	22.1	25.7	29.9	33.5	35.6	39.9	43.5	45.6	44.2	42.0
85°	11.4	12.1	15.0	18.5	21.4	22.8	22.1	20.0	17.8	17.1	15.7
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)