

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: P527209

Luminaire Tested: **GALN-SA2B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6574 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

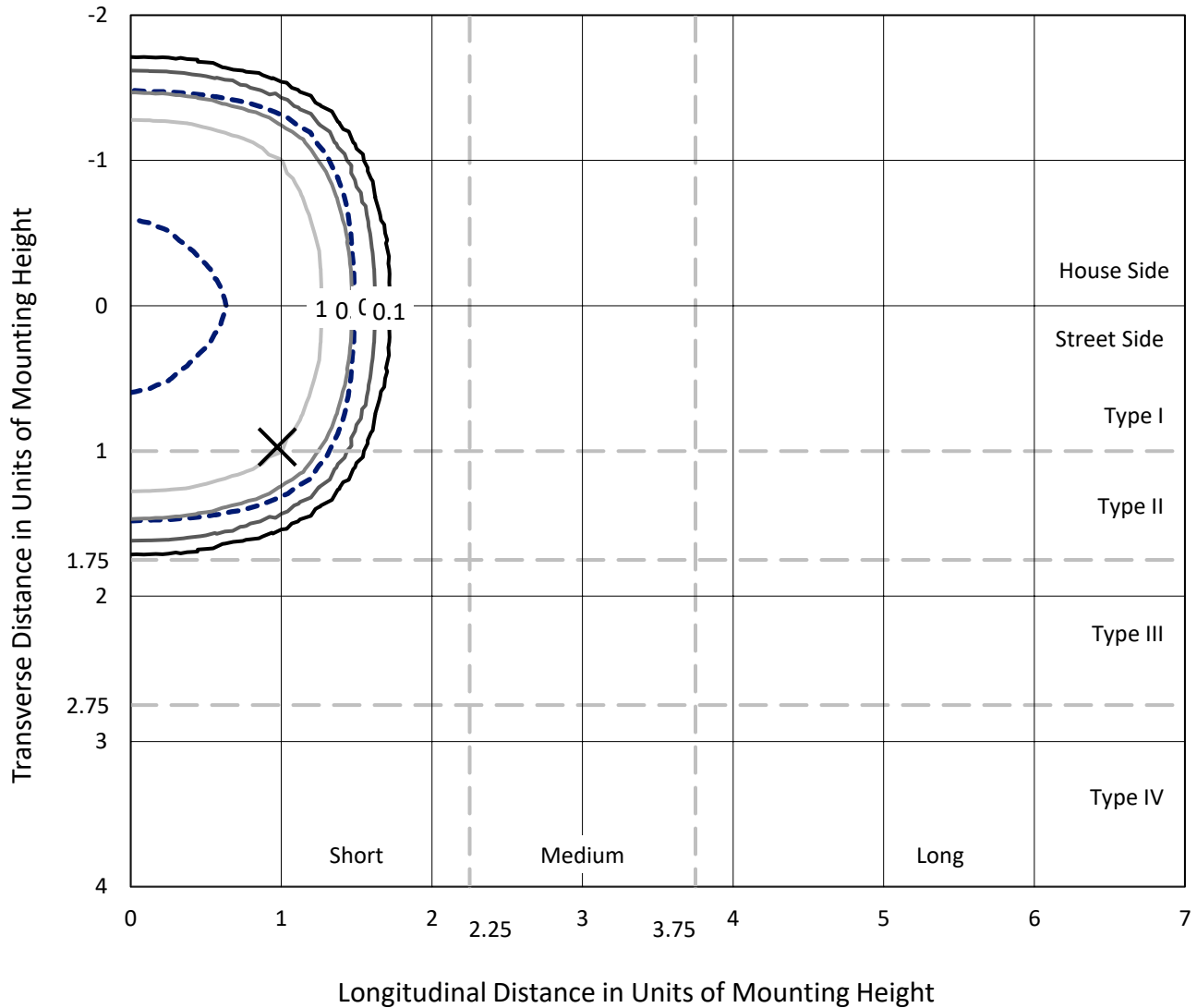
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

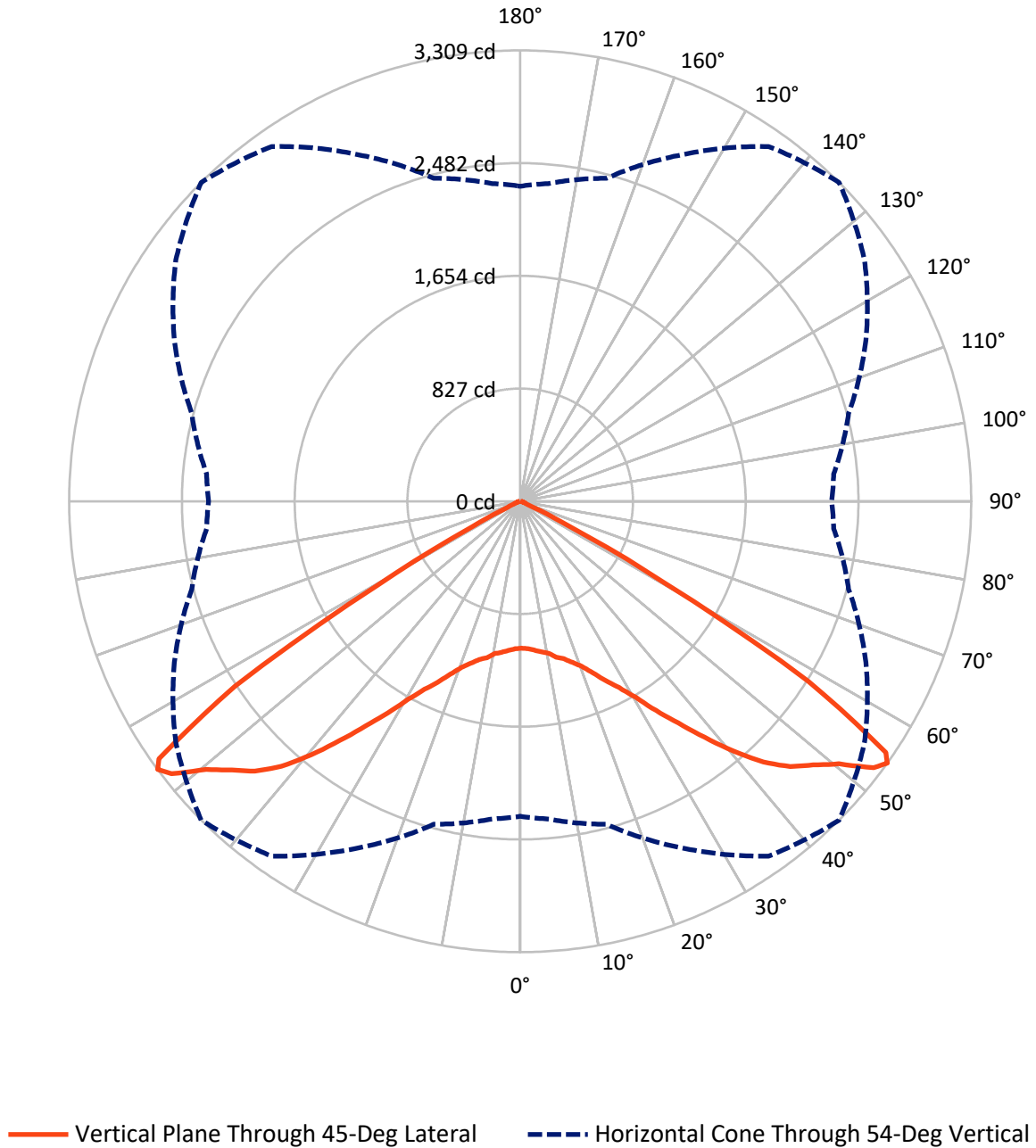
✕ Max cd
 - - - 1/2 Max cd



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	3287.0	0.0	3287.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3287.0	0.0	3287.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6574.0	0.0	6574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.6
10°-20°	341.7	5.2
20°-30°	669.6	10.2
30°-40°	1204.1	18.3
40°-50°	2061.3	31.4
50°-60°	1994.5	30.3
60°-70°	170.7	2.6
70°-80°	20.2	0.3
80°-90°	6.3	0.1
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°	6574.0	100.0
0°-180°	6574.0	100.0

Coefficient of Utilization



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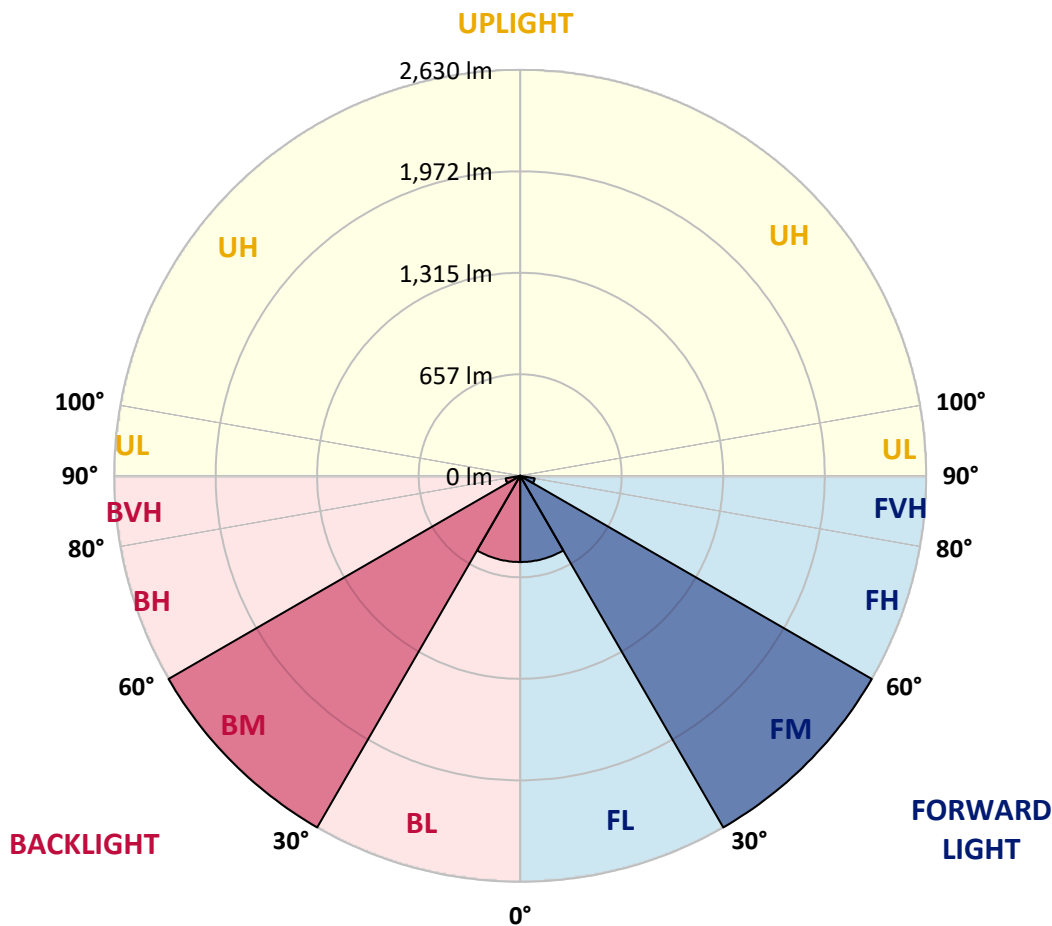
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.4	8.5			
FM (30°-60°)	2629.9	40.0			
FH (60°-80°)	95.5	1.5			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	558.4	8.5	B2/1000		
BM (30°-60°)	2629.9	40.0	B3/5000		
BH (60°-80°)	95.5	1.5	B0/110		G0/660
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9	1077.9
2.5°	1083.1	1089.4	1085.2	1088.3	1088.3	1083.1	1086.3	1073.8	1082.1	1075.8	1076.9
5°	1099.8	1098.8	1098.8	1099.8	1095.6	1097.7	1093.6	1089.4	1086.3	1082.1	1094.6
7.5°	1120.6	1120.6	1113.3	1115.4	1113.3	1116.5	1108.1	1099.8	1096.7	1093.6	1091.5
10°	1140.4	1138.3	1135.2	1144.6	1137.3	1133.1	1129.0	1123.8	1112.3	1108.1	1104.0
12.5°	1169.6	1168.5	1164.4	1173.7	1169.6	1173.7	1158.1	1144.6	1142.5	1129.0	1136.3
15°	1204.0	1213.3	1206.0	1206.0	1204.0	1198.7	1192.5	1186.2	1167.5	1162.3	1163.3
17.5°	1248.7	1245.6	1246.7	1246.7	1257.1	1243.5	1231.0	1215.4	1206.0	1202.9	1192.5
20°	1291.4	1295.6	1294.6	1301.8	1308.1	1293.5	1280.0	1277.9	1251.9	1256.0	1241.4
22.5°	1366.4	1363.3	1368.5	1373.7	1369.5	1367.5	1355.0	1339.3	1316.4	1306.0	1303.9
25°	1445.6	1440.4	1431.0	1443.5	1449.7	1459.1	1435.2	1426.8	1391.4	1375.8	1376.8
27.5°	1513.3	1520.6	1531.0	1536.2	1551.8	1548.7	1532.0	1504.9	1477.9	1460.2	1448.7
30°	1606.0	1610.1	1627.8	1635.1	1662.2	1669.5	1643.5	1612.2	1564.3	1541.4	1527.9
32.5°	1691.4	1720.5	1719.5	1755.9	1799.7	1829.9	1783.0	1735.1	1687.2	1660.1	1636.2
35°	1829.9	1824.7	1854.9	1893.4	1964.2	1998.6	1947.6	1892.4	1819.5	1775.7	1757.0
37.5°	1959.0	1961.1	2001.7	2063.2	2144.4	2197.5	2152.7	2062.1	1987.1	1930.9	1904.9
40°	2146.5	2150.7	2192.3	2262.1	2353.7	2411.0	2359.0	2267.3	2167.3	2123.6	2123.6
42.5°	2366.2	2383.9	2411.0	2471.4	2553.7	2617.2	2570.4	2498.5	2397.5	2341.2	2349.6
45°	2592.2	2600.6	2618.3	2707.8	2746.4	2777.6	2733.9	2700.6	2632.9	2564.1	2552.7
47.5°	2803.7	2806.8	2858.9	2887.0	2917.2	2891.1	2919.3	2875.5	2799.5	2732.8	2719.3
50°	2897.4	2892.2	2966.1	3051.5	3074.4	3028.6	3004.7	2975.5	2859.9	2779.7	2744.3
52.5°	2624.5	2654.7	2792.2	3029.7	3208.8	3247.3	3107.8	2973.4	2757.8	2601.6	2577.7
54°	2312.1	2340.2	2453.7	2805.7	3178.6	3308.8	3083.8	2798.5	2494.3	2309.0	2285.0
55°	2002.8	1971.5	2177.7	2537.0	3037.0	3254.6	2989.0	2572.5	2224.6	2054.8	2021.5
57.5°	1084.2	1089.4	1263.3	1602.8	2134.0	2495.4	2203.8	1740.3	1314.3	1123.8	1107.1
60°	343.7	352.0	428.0	647.8	1019.6	1217.5	1043.6	698.8	483.2	387.4	371.8
62.5°	107.3	111.4	121.9	181.2	279.1	398.9	312.4	187.5	139.6	128.1	130.2
65°	65.6	65.6	66.7	70.8	83.3	96.9	93.7	82.3	79.2	77.1	76.0
67.5°	42.7	41.7	43.7	46.9	48.9	50.0	53.1	56.2	55.2	53.1	53.1
70°	26.0	25.0	27.1	31.2	32.3	34.4	37.5	41.7	40.6	38.5	39.6
72.5°	14.6	14.6	15.6	18.7	21.9	24.0	27.1	30.2	31.2	30.2	30.2
75°	5.2	6.2	8.3	11.5	13.5	16.7	19.8	22.9	26.0	24.0	22.9
77.5°	2.1	2.1	4.2	7.3	10.4	13.5	18.7	21.9	24.0	21.9	19.8
80°	1.0	1.0	3.1	6.2	9.4	12.5	15.6	18.7	19.8	17.7	15.6
82.5°	1.0	1.0	3.1	6.2	9.4	11.5	16.7	18.7	20.8	18.7	15.6
85°	0.0	1.0	3.1	6.2	8.3	9.4	9.4	6.2	5.2	3.1	3.1
87.5°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)