

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: P528537

Luminaire Tested: **GALN-SA3C-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8047 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

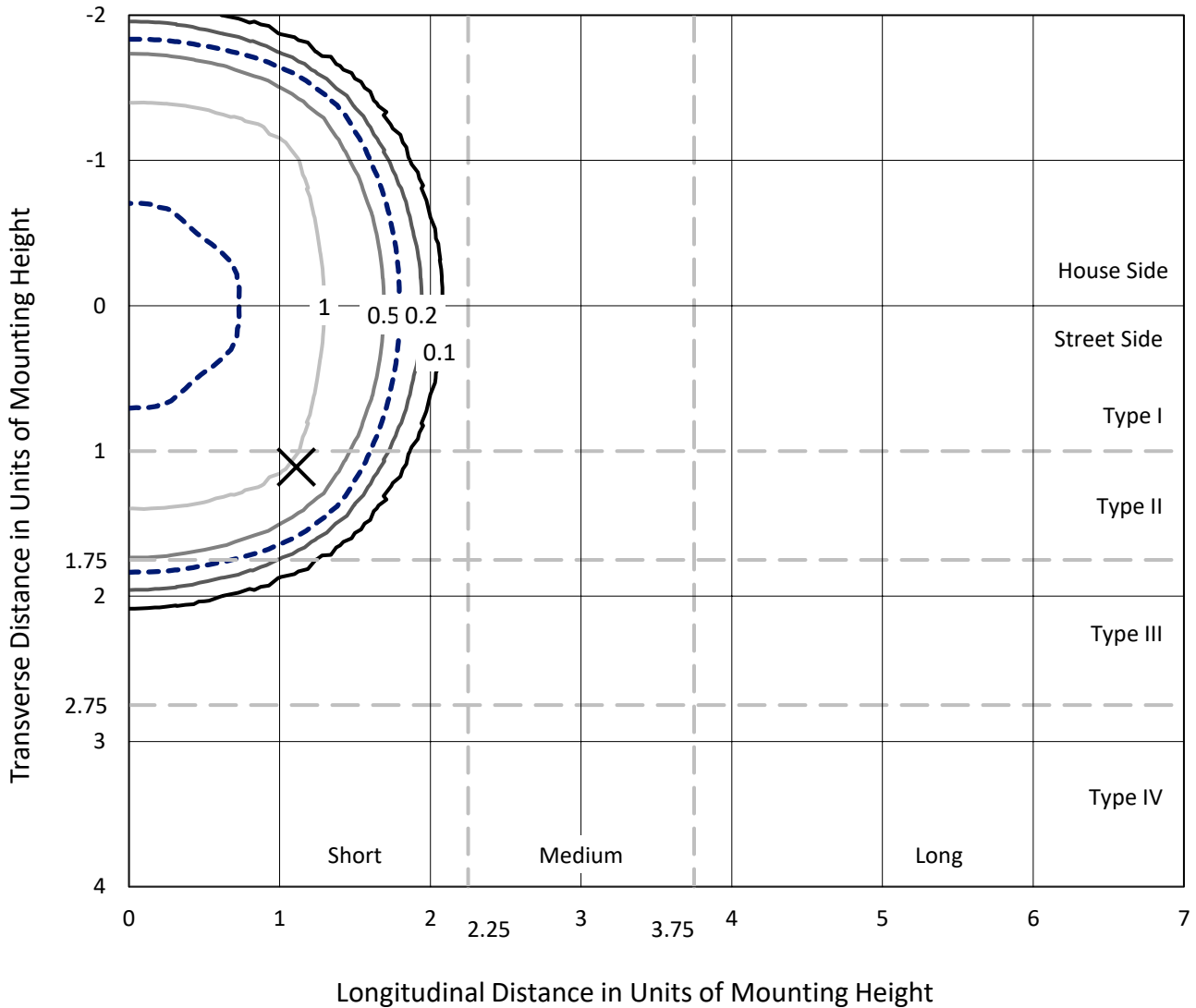
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

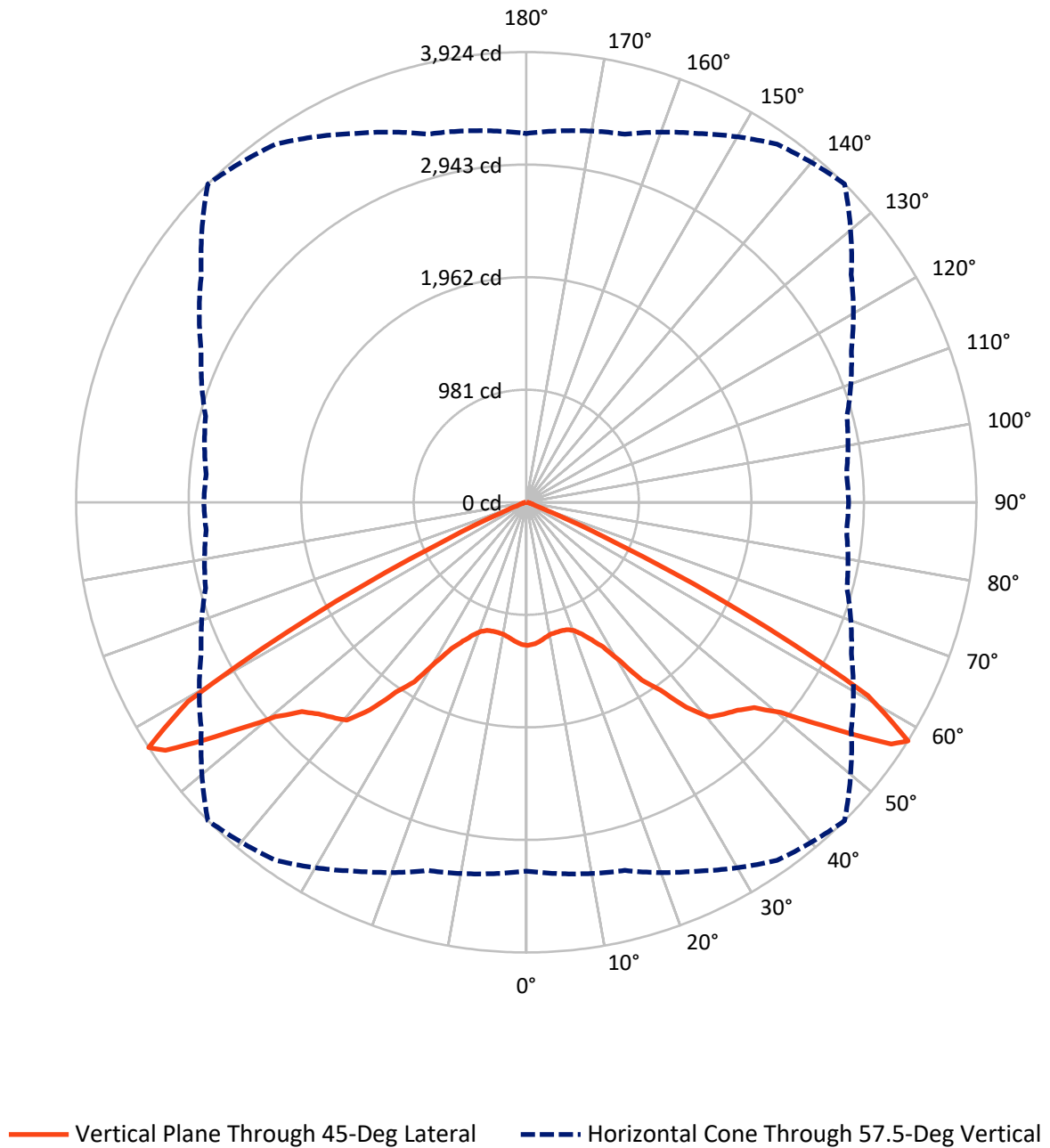
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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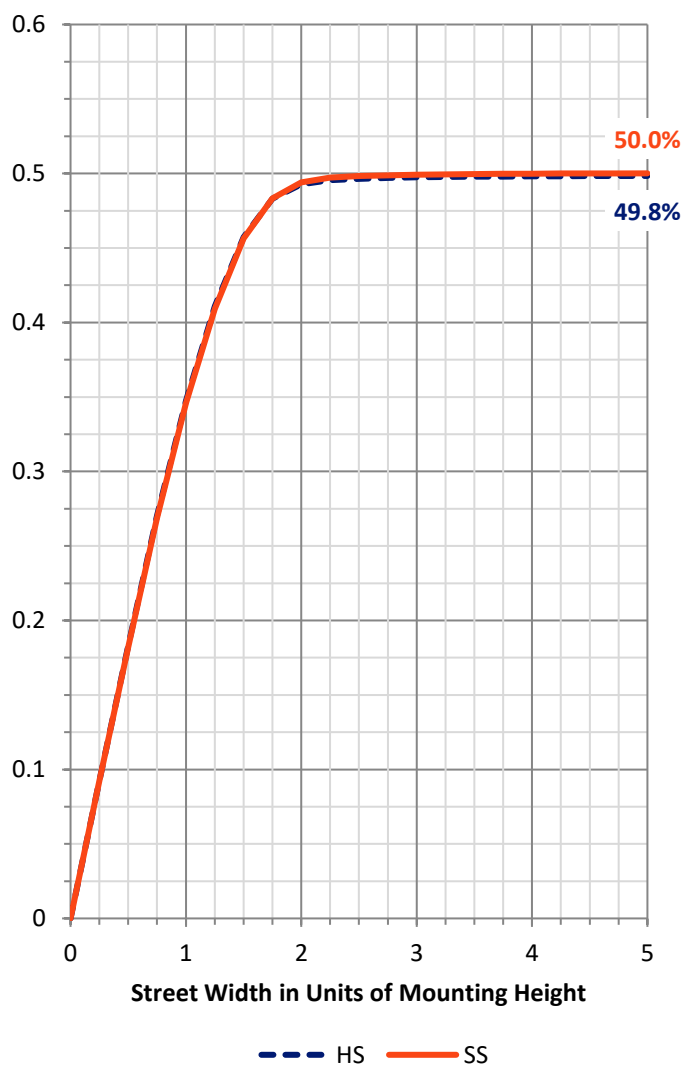
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4023.5	0.0	4023.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4023.5	0.0	4023.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8047.0	0.0	8047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	1.4
10°-20°	331.5	4.1
20°-30°	612.0	7.6
30°-40°	1203.5	15.0
40°-50°	1960.2	24.4
50°-60°	2795.5	34.7
60°-70°	967.9	12.0
70°-80°	51.9	0.6
80°-90°	9.8	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°	8047.0	100.0
0°-180°	8047.0	100.0

Coefficient of Utilization

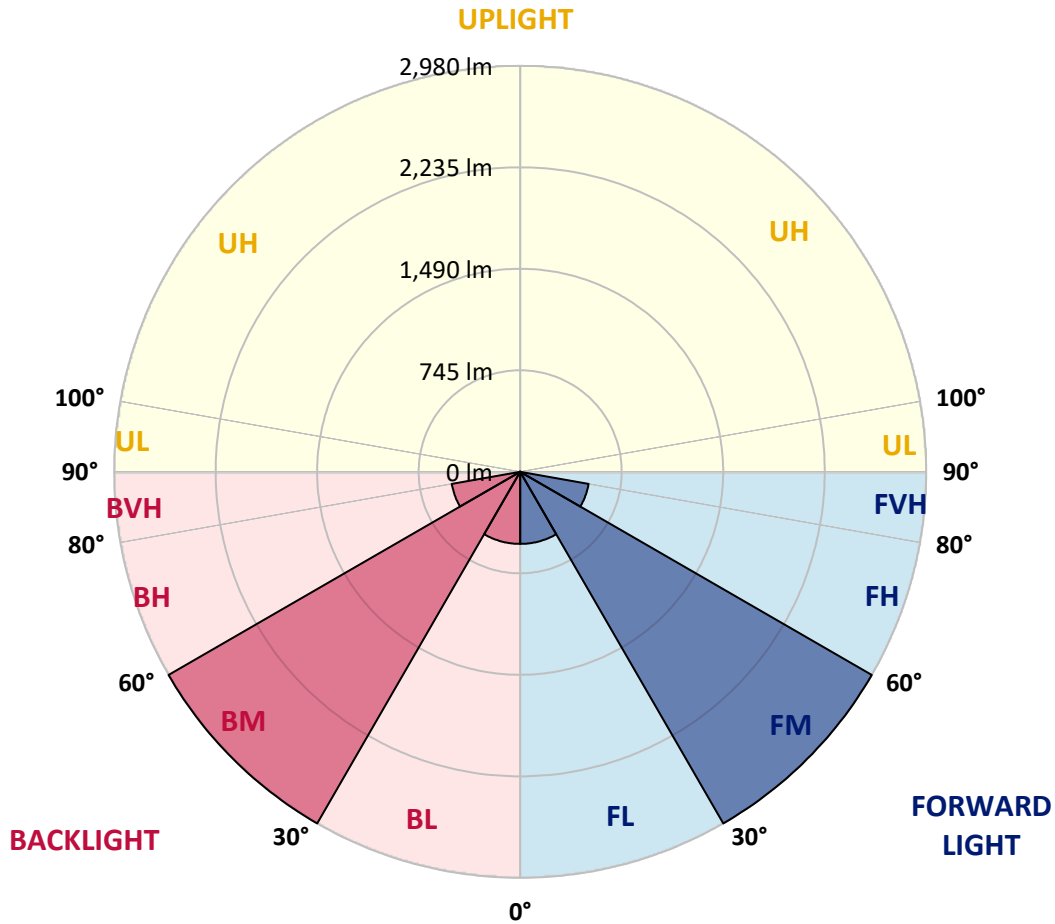


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.1	6.6			
FM (30°-60°)	2979.6	37.0			
FH (60°-80°)	509.9	6.3			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	529.1	6.6	B2/1000		
BM (30°-60°)	2979.6	37.0	B3/5000		
BH (60°-80°)	509.9	6.3	B2/1000		G0/660
BVH (80°-90°)	4.9	0.1			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°	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2
2.5°	1244.8	1251.5	1243.1	1239.8	1238.1	1238.1	1233.1	1233.1	1231.4	1233.1	1226.4
5°	1224.7	1231.4	1231.4	1229.7	1219.7	1218.0	1212.9	1209.6	1211.3	1204.6	1209.6
7.5°	1204.6	1209.6	1202.9	1201.2	1197.8	1191.1	1189.5	1174.4	1176.0	1176.0	1179.4
10°	1201.2	1199.5	1189.5	1181.1	1171.0	1169.3	1164.3	1160.9	1160.9	1159.3	1164.3
12.5°	1201.2	1192.8	1191.1	1172.7	1155.9	1162.6	1149.2	1140.8	1152.5	1155.9	1162.6
15°	1199.5	1207.9	1179.4	1171.0	1159.3	1160.9	1149.2	1140.8	1147.5	1150.9	1155.9
17.5°	1209.6	1204.6	1196.2	1179.4	1174.4	1167.6	1152.5	1145.8	1145.8	1154.2	1155.9
20°	1236.4	1223.0	1206.2	1197.8	1202.9	1194.5	1176.0	1150.9	1157.6	1164.3	1169.3
22.5°	1261.6	1251.5	1239.8	1234.8	1263.3	1249.9	1218.0	1189.5	1179.4	1191.1	1199.5
25°	1310.2	1310.2	1288.4	1295.1	1327.0	1328.7	1291.8	1241.5	1234.8	1239.8	1243.1
27.5°	1409.2	1414.3	1395.8	1402.5	1415.9	1427.7	1395.8	1353.9	1338.8	1337.1	1342.1
30°	1516.6	1526.7	1525.0	1553.5	1592.1	1598.8	1551.8	1483.0	1437.7	1429.4	1436.1
32.5°	1657.5	1662.6	1659.2	1692.8	1796.8	1845.4	1722.9	1625.6	1565.3	1580.3	1565.3
35°	1922.6	1917.6	1880.6	1887.4	1972.9	2008.2	1890.7	1828.6	1800.1	1830.3	1823.6
37.5°	2150.8	2132.3	2102.1	2145.7	2234.6	2266.5	2144.0	2035.0	1983.0	2033.3	2055.1
40°	2343.7	2296.7	2254.8	2298.4	2417.5	2461.1	2281.6	2192.7	2172.6	2209.5	2256.4
42.5°	2506.4	2476.2	2420.9	2424.2	2503.1	2523.2	2378.9	2326.9	2306.8	2365.5	2389.0
45°	2622.2	2593.7	2541.6	2538.3	2598.7	2585.3	2456.1	2420.9	2432.6	2471.2	2482.9
47.5°	2680.9	2696.0	2665.8	2674.2	2706.1	2674.2	2571.8	2571.8	2545.0	2568.5	2556.7
50°	2850.3	2803.4	2841.9	2841.9	2875.5	2878.9	2776.5	2739.6	2667.5	2627.2	2627.2
52.5°	3048.3	3051.7	3066.8	3122.1	3179.2	3227.8	3081.8	2924.1	2803.4	2751.4	2744.6
55°	3211.0	3244.6	3305.0	3409.0	3573.4	3640.5	3388.9	3107.0	2959.4	2878.9	2862.1
56°	3299.9	3268.1	3372.1	3514.7	3729.4	3816.7	3439.2	3143.9	2981.2	2890.6	2888.9
57.5°	3214.4	3249.6	3321.8	3546.6	3810.0	3924.0	3457.6	3127.1	2894.0	2801.7	2810.1
60°	2538.3	2571.8	2669.1	2920.8	3333.5	3422.4	2925.8	2578.6	2370.5	2238.0	2239.7
62.5°	1436.1	1461.2	1536.7	1769.9	2026.6	2112.2	1823.6	1592.1	1447.8	1374.0	1350.5
65°	528.5	518.4	530.1	649.3	807.0	879.1	758.3	640.9	565.4	538.5	528.5
67.5°	198.0	182.9	171.1	182.9	229.8	243.3	223.1	186.2	174.5	179.5	182.9
70°	122.5	115.8	92.3	87.2	85.6	83.9	88.9	93.9	107.4	125.8	129.2
72.5°	85.6	80.5	65.4	62.1	58.7	57.0	65.4	72.1	83.9	97.3	99.0
75°	33.6	35.2	33.6	36.9	38.6	40.3	47.0	52.0	57.0	57.0	55.4
77.5°	6.7	6.7	10.1	13.4	16.8	21.8	31.9	36.9	38.6	36.9	31.9
80°	0.0	0.0	3.4	6.7	13.4	18.5	28.5	31.9	35.2	31.9	25.2
82.5°	0.0	0.0	3.4	8.4	13.4	16.8	26.8	33.6	38.6	35.2	26.8
85°	0.0	0.0	3.4	6.7	10.1	11.7	11.7	8.4	8.4	5.0	3.4
87.5°	0.0	0.0	0.0	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)