

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: P527215

Luminaire Tested: **GALN-SA2B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6184 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

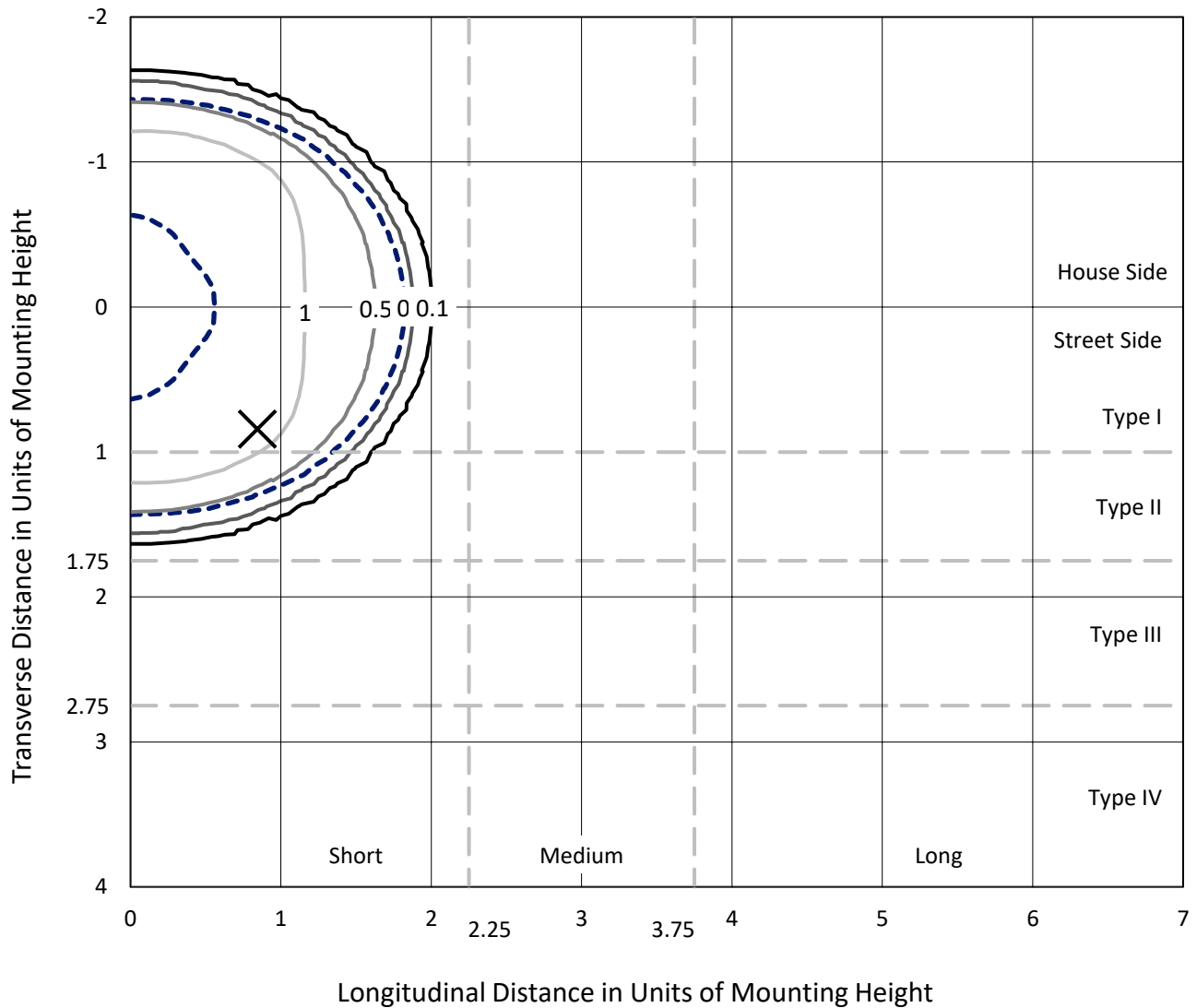
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

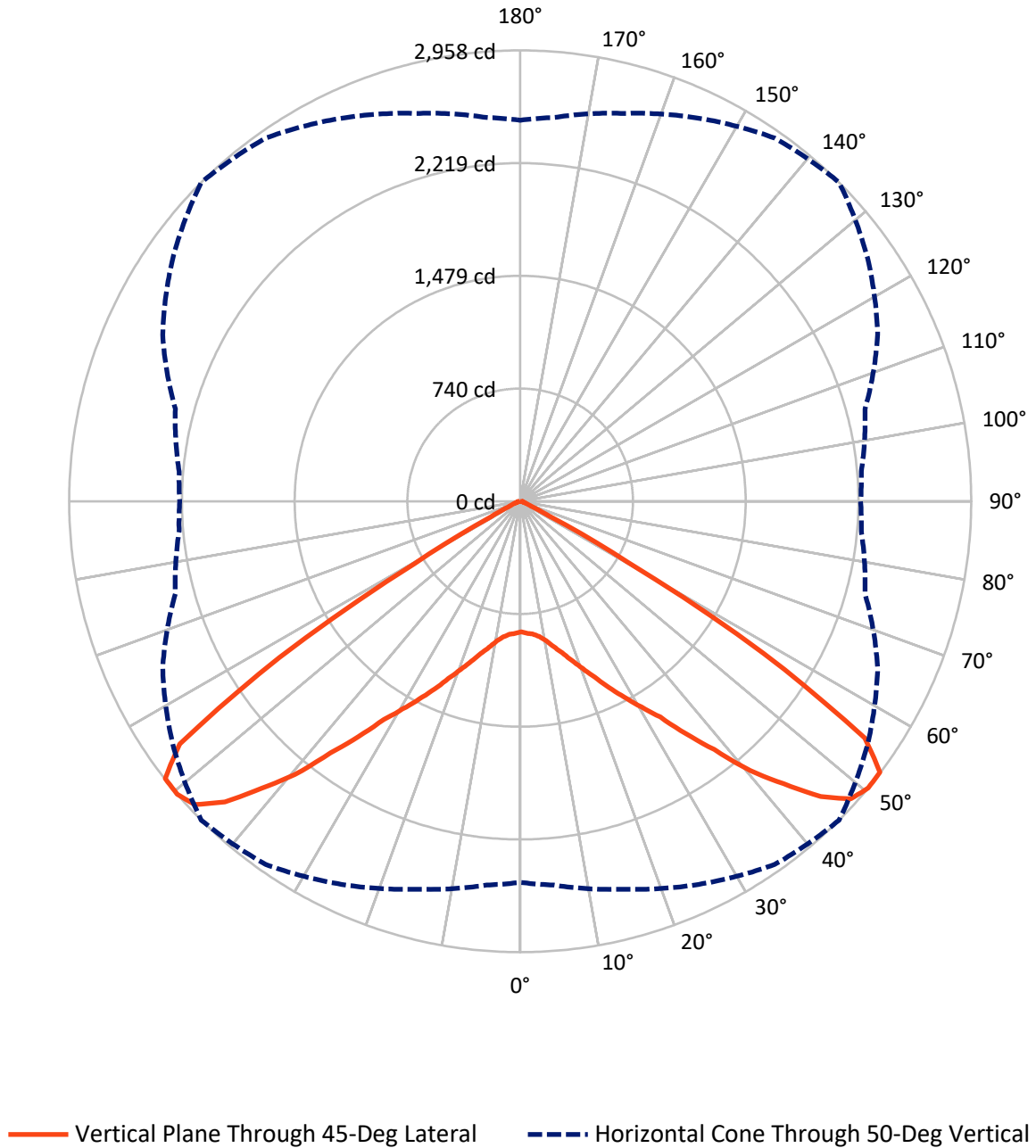
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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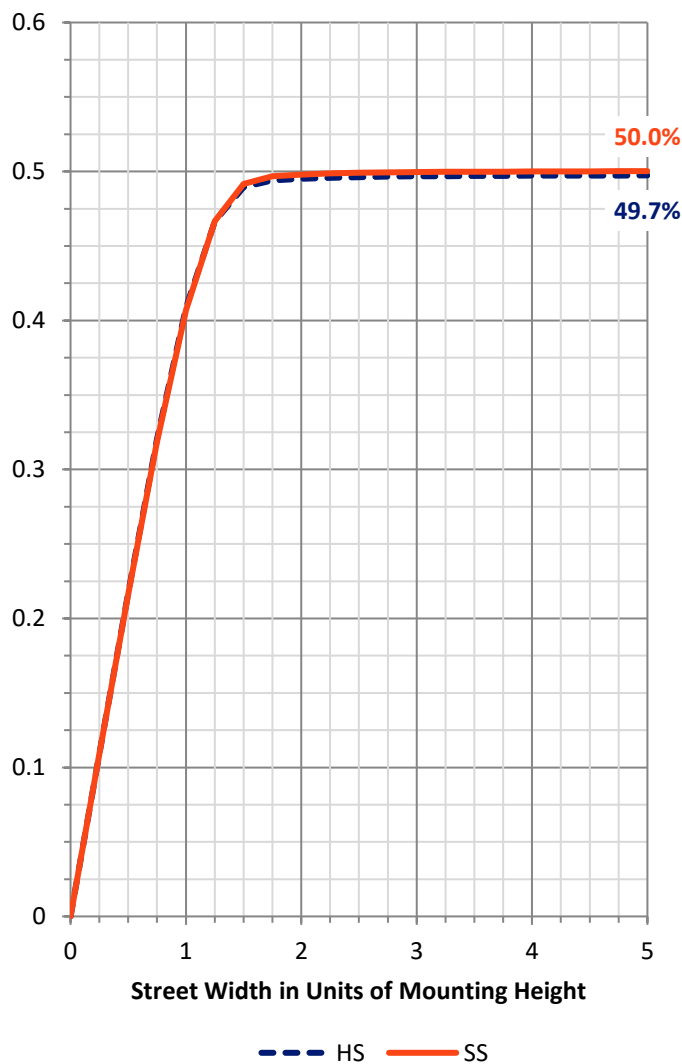
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3092.0	0.0	3092.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3092.0	0.0	3092.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6184.0	0.0	6184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	1.4
10°-20°	294.0	4.8
20°-30°	600.4	9.7
30°-40°	1145.0	18.5
40°-50°	1929.4	31.2
50°-60°	1840.1	29.8
60°-70°	256.9	4.2
70°-80°	24.6	0.4
80°-90°	8.5	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°	6184.0	100.0
0°-180°	6184.0	100.0

Coefficient of Utilization



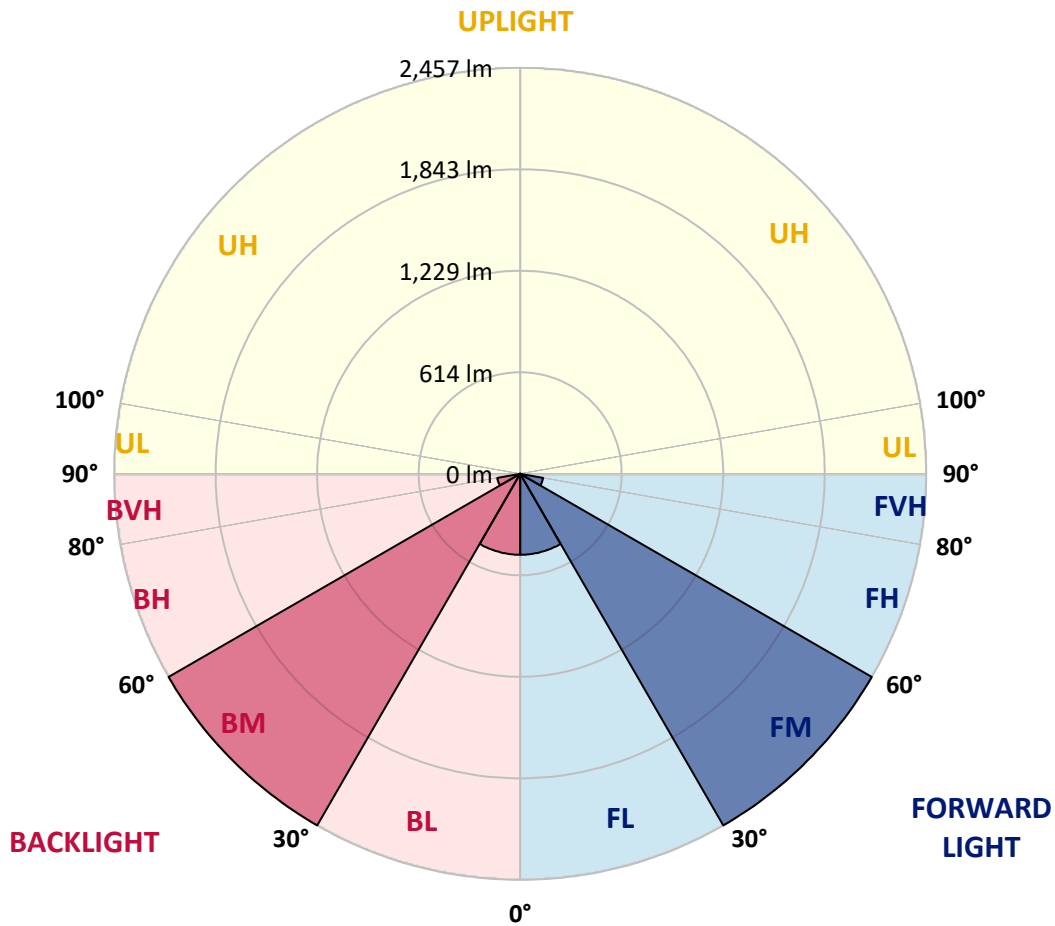
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.8	7.9			
FM (30°-60°)	2457.2	39.7			
FH (60°-80°)	140.7	2.3			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	489.8	7.9	B1/500		
BM (30°-60°)	2457.2	39.7	B2/2500		
BH (60°-80°)	140.7	2.3	B1/500		G0/660
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3
2.5°	854.2	854.2	853.2	861.5	857.3	866.7	865.7	868.8	871.9	870.9	879.2
5°	846.9	845.9	845.9	855.3	864.6	875.0	884.4	890.6	901.0	901.0	911.4
7.5°	854.2	849.0	856.3	860.5	878.2	895.8	911.4	923.9	947.9	956.2	953.1
10°	856.3	862.5	867.7	880.2	902.1	929.1	942.7	973.9	1000.9	1019.7	1023.8
12.5°	869.8	879.2	893.8	923.9	943.7	979.1	997.8	1028.0	1065.4	1086.2	1100.8
15°	895.8	899.0	917.7	956.2	998.8	1031.1	1060.2	1082.1	1118.5	1142.4	1143.5
17.5°	929.1	942.7	968.7	1005.1	1049.8	1097.7	1120.6	1144.5	1158.0	1190.3	1197.6
20°	995.7	997.8	1022.8	1070.6	1126.8	1170.5	1187.2	1199.7	1194.5	1227.7	1234.0
22.5°	1058.2	1060.2	1091.4	1156.0	1216.3	1253.8	1261.0	1253.8	1238.2	1262.1	1264.2
25°	1121.6	1140.4	1163.2	1227.7	1302.7	1352.6	1353.6	1333.9	1301.6	1305.8	1316.2
27.5°	1220.5	1234.0	1257.9	1317.2	1399.4	1455.6	1446.2	1422.3	1380.7	1383.8	1380.7
30°	1336.0	1348.4	1368.2	1444.2	1504.5	1565.9	1579.4	1556.5	1494.1	1480.6	1496.2
32.5°	1475.4	1493.1	1529.5	1599.2	1650.2	1687.6	1697.0	1688.7	1630.4	1625.2	1635.6
35°	1645.0	1668.9	1702.2	1763.6	1805.2	1872.8	1872.8	1844.7	1791.7	1797.9	1796.9
37.5°	1823.9	1859.3	1911.3	1973.8	2029.9	2066.4	2054.9	2031.0	1977.9	1964.4	1977.9
40°	2048.7	2066.4	2131.9	2213.1	2281.7	2323.4	2274.5	2222.4	2095.5	2115.3	2151.7
42.5°	2253.6	2281.7	2331.7	2421.2	2499.2	2533.5	2475.3	2372.3	2219.3	2203.7	2230.8
45°	2428.4	2458.6	2524.2	2652.1	2734.3	2764.5	2635.5	2469.0	2294.2	2254.7	2266.1
47.5°	2545.0	2560.6	2652.1	2773.9	2848.8	2917.5	2732.3	2535.6	2329.6	2254.7	2250.5
50°	2500.2	2527.3	2634.5	2772.8	2909.1	2958.0	2781.2	2586.6	2341.0	2245.3	2232.8
52.5°	2220.4	2267.2	2386.8	2573.1	2779.1	2953.9	2848.8	2569.9	2336.9	2254.7	2273.4
55°	1545.1	1546.1	1691.8	1966.5	2330.6	2742.7	2750.0	2588.7	2363.9	2313.0	2314.0
57.5°	621.2	652.4	763.7	1039.4	1375.5	1883.2	2239.1	2401.4	2367.1	2354.6	2386.8
60°	157.1	158.2	192.5	293.4	483.8	807.4	1172.6	1586.7	1827.1	1909.3	1920.7
62.5°	80.1	81.2	89.5	104.0	132.1	216.4	385.0	610.8	868.8	999.9	1034.2
65°	65.5	65.5	70.8	78.0	79.1	83.2	99.9	142.5	207.1	235.1	238.3
67.5°	49.9	49.9	54.1	58.3	60.3	59.3	57.2	59.3	71.8	68.7	66.6
70°	31.2	32.3	34.3	38.5	40.6	41.6	42.7	44.7	51.0	53.1	51.0
72.5°	18.7	18.7	19.8	22.9	26.0	28.1	31.2	33.3	36.4	41.6	40.6
75°	8.3	8.3	10.4	13.5	16.6	19.8	22.9	26.0	28.1	31.2	32.3
77.5°	2.1	3.1	5.2	9.4	12.5	16.6	20.8	23.9	26.0	26.0	25.0
80°	1.0	1.0	4.2	7.3	13.5	17.7	22.9	25.0	28.1	26.0	22.9
82.5°	1.0	1.0	4.2	7.3	12.5	17.7	23.9	27.1	29.1	26.0	21.8
85°	0.0	1.0	3.1	6.2	10.4	12.5	10.4	7.3	4.2	4.2	3.1
87.5°	0.0	0.0	1.0	1.0	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)