

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: P647266

Luminaire Tested: **GALN-SA2D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647266
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-SA2D-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1200mA 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: 7871.5 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

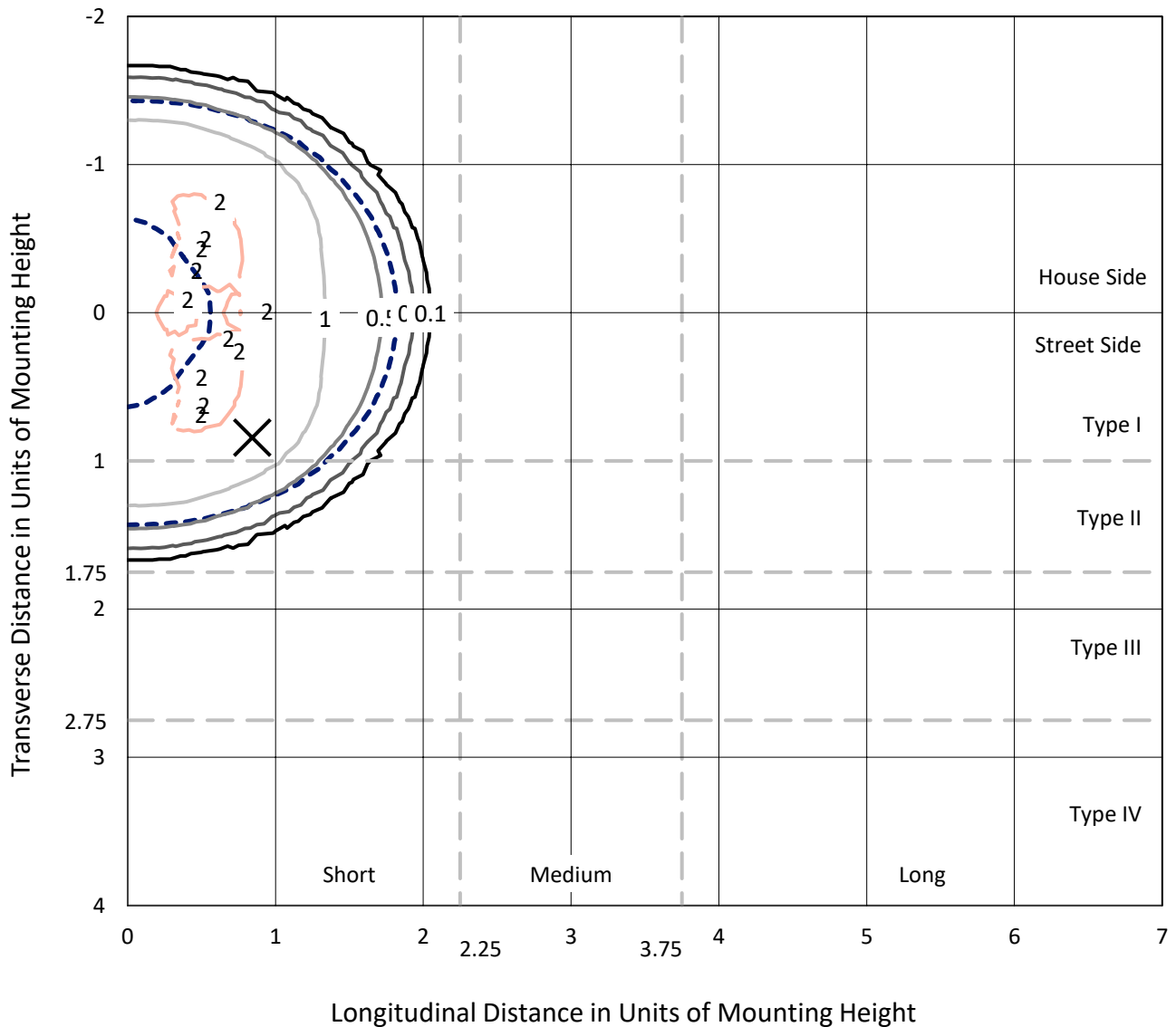
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

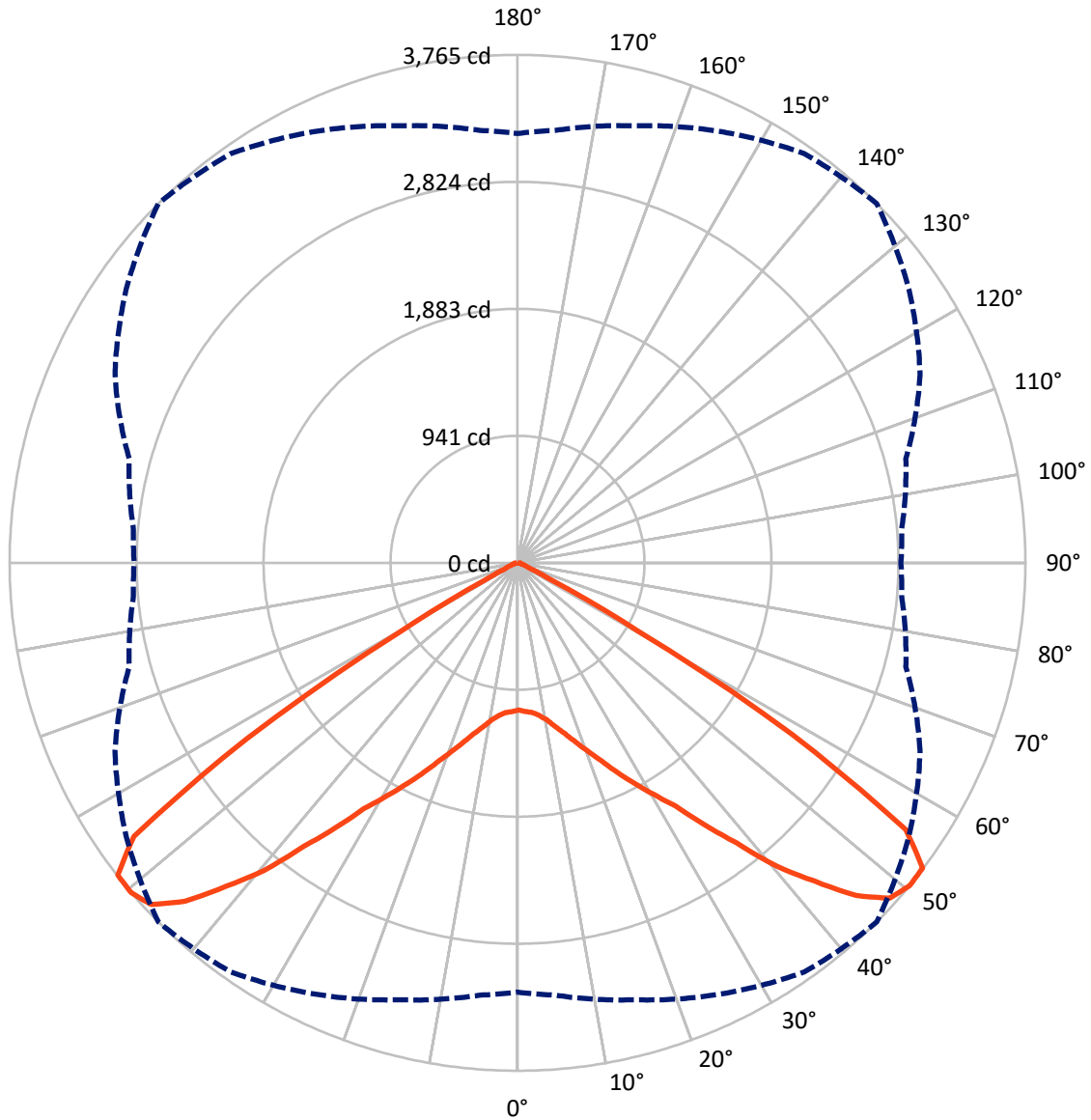
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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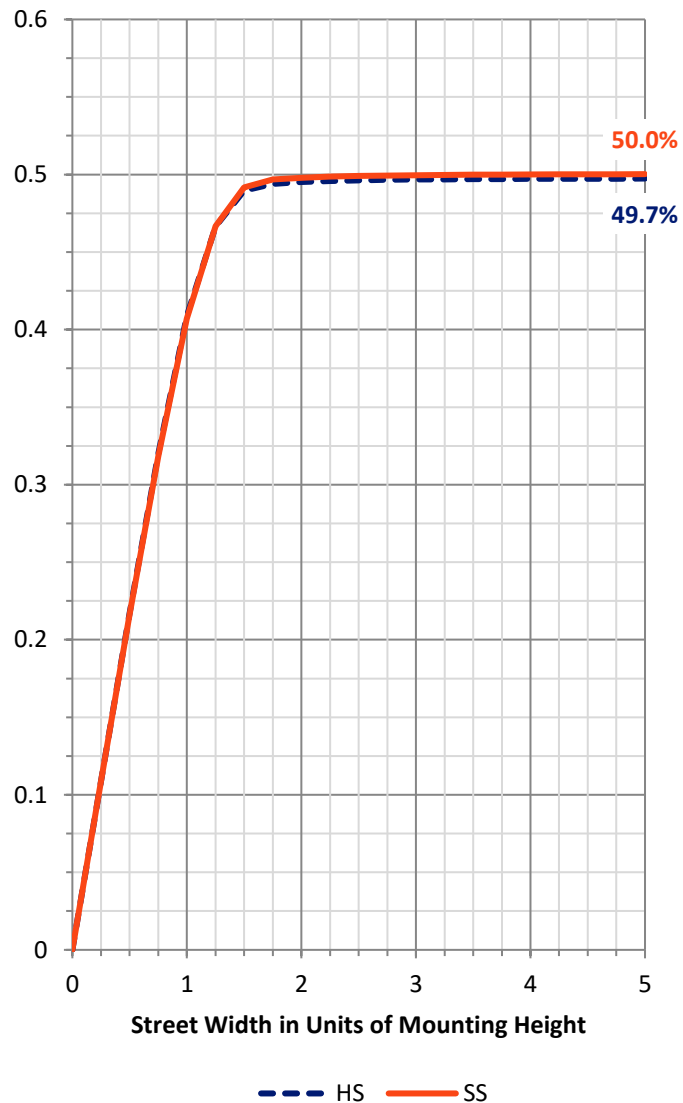
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3935.8	0.0	3935.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3935.8	0.0	3935.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7871.5	0.0	7871.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	1.4
10°-20°	374.2	4.8
20°-30°	764.2	9.7
30°-40°	1457.4	18.5
40°-50°	2455.9	31.2
50°-60°	2342.2	29.8
60°-70°	327.0	4.2
70°-80°	31.3	0.4
80°-90°	10.8	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°	7871.5	100.0
0°-180°	7871.5	100.0

Coefficient of Utilization

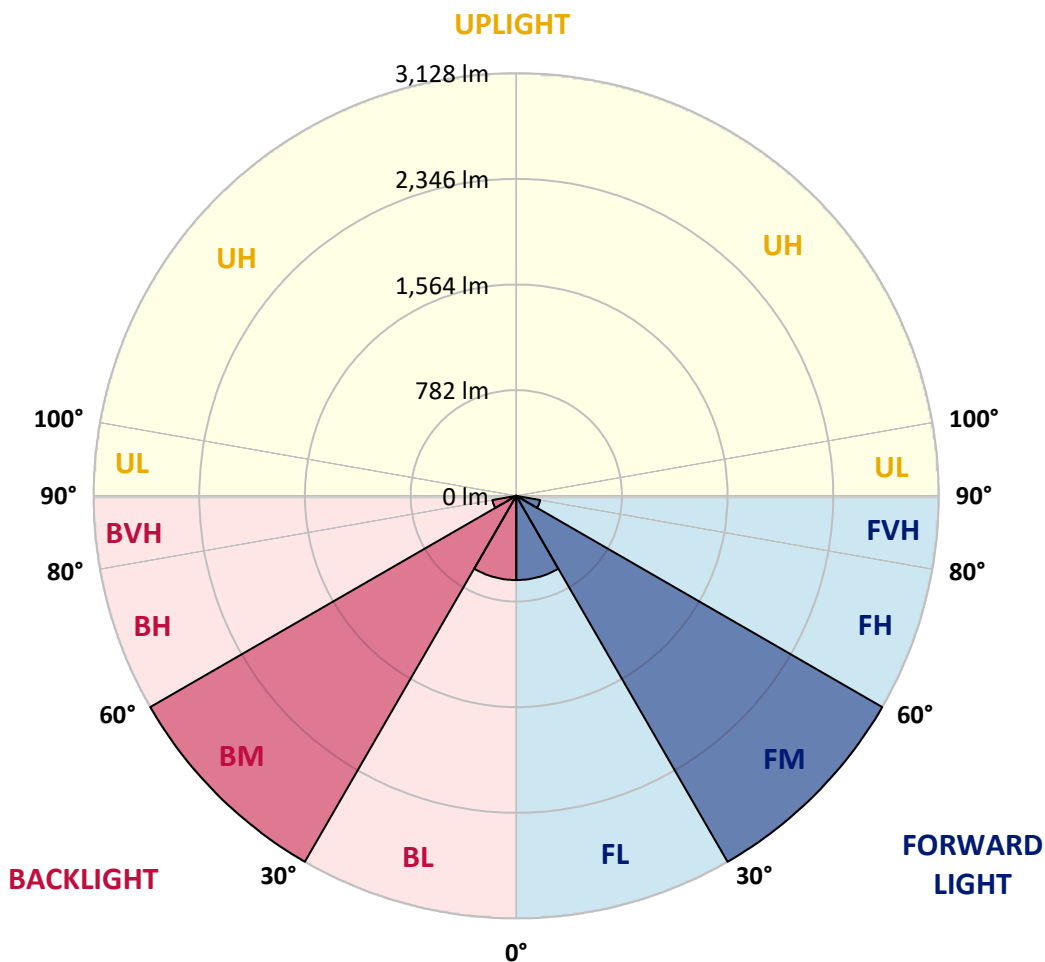


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.5	7.9			
FM (30°-60°)	3127.7	39.7			
FH (60°-80°)	179.1	2.3			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	623.5	7.9	B2/1000		
BM (30°-60°)	3127.7	39.7	B3/5000		
BH (60°-80°)	179.1	2.3	B1/500		G0/660
BVH (80°-90°)	5.4	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°	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3	1091.3
2.5°	1087.4	1087.4	1086.0	1096.6	1091.3	1103.2	1101.9	1105.8	1109.8	1108.5	1119.1
5°	1078.0	1076.7	1076.7	1088.7	1100.6	1113.8	1125.7	1133.7	1146.9	1146.9	1160.2
7.5°	1087.4	1080.7	1089.9	1095.3	1117.8	1140.3	1160.2	1176.1	1206.5	1217.1	1213.1
10°	1089.9	1097.9	1104.6	1120.4	1148.3	1182.6	1199.9	1239.6	1274.1	1297.9	1303.2
12.5°	1107.2	1119.1	1137.6	1176.1	1201.2	1246.2	1270.1	1308.5	1356.2	1382.7	1401.2
15°	1140.3	1144.3	1168.1	1217.1	1271.4	1312.5	1349.6	1377.4	1423.7	1454.2	1455.5
17.5°	1182.6	1199.9	1233.0	1279.3	1336.3	1397.3	1426.4	1456.8	1474.1	1515.1	1524.3
20°	1267.4	1270.1	1301.9	1362.8	1434.3	1490.0	1511.1	1527.0	1520.4	1562.8	1570.7
22.5°	1346.9	1349.6	1389.3	1471.4	1548.2	1595.9	1605.2	1595.9	1576.0	1606.5	1609.1
25°	1427.7	1451.5	1480.7	1562.8	1658.2	1721.7	1723.0	1697.9	1656.8	1662.1	1675.4
27.5°	1553.5	1570.7	1601.2	1676.6	1781.3	1852.8	1840.9	1810.5	1757.4	1761.4	1757.4
30°	1700.5	1716.4	1741.5	1838.2	1915.1	1993.2	2010.4	1981.3	1901.8	1884.6	1904.5
32.5°	1877.9	1900.5	1946.9	2035.6	2100.5	2148.2	2160.1	2149.5	2075.3	2068.7	2081.9
35°	2093.8	2124.4	2166.7	2244.9	2297.8	2383.9	2383.9	2348.1	2280.6	2288.6	2287.2
37.5°	2321.7	2366.7	2432.9	2512.3	2583.9	2630.3	2615.7	2585.2	2517.7	2500.4	2517.7
40°	2607.7	2630.3	2713.6	2817.0	2904.4	2957.4	2895.1	2828.9	2667.3	2692.5	2738.9
42.5°	2868.6	2904.4	2968.0	3081.9	3181.2	3224.9	3150.7	3019.6	2824.9	2805.0	2839.5
45°	3091.1	3129.5	3213.0	3375.9	3480.5	3518.9	3354.7	3142.8	2920.3	2869.9	2884.5
47.5°	3239.4	3259.3	3375.9	3530.9	3626.2	3713.6	3477.9	3227.5	2965.3	2869.9	2864.7
50°	3182.5	3217.0	3353.4	3529.5	3703.0	3765.2	3540.1	3292.4	2979.9	2858.0	2842.1
52.5°	2826.2	2885.8	3038.1	3275.2	3537.4	3760.0	3626.2	3271.2	2974.6	2869.9	2893.8
55°	1966.7	1968.1	2153.5	2503.1	2966.6	3491.1	3500.3	3295.1	3009.0	2944.1	2945.4
57.5°	790.7	830.4	972.1	1323.0	1750.9	2397.2	2850.1	3056.7	3013.0	2997.1	3038.1
60°	200.0	201.3	245.0	373.5	615.8	1027.7	1492.6	2019.7	2325.7	2430.3	2444.8
62.5°	101.9	103.3	113.9	132.4	168.2	275.5	490.0	777.4	1105.8	1272.8	1316.5
65°	83.5	83.5	90.0	99.4	100.6	105.9	127.2	181.4	263.6	299.3	303.3
67.5°	63.6	63.6	68.9	74.2	76.8	75.5	72.8	75.5	91.4	87.4	84.8
70°	39.7	41.0	43.7	49.0	51.7	53.0	54.3	56.9	64.9	67.6	64.9
72.5°	23.8	23.8	25.1	29.1	33.1	35.8	39.7	42.4	46.4	53.0	51.7
75°	10.6	10.6	13.2	17.2	21.2	25.1	29.1	33.1	35.8	39.7	41.0
77.5°	2.7	4.0	6.7	11.9	15.9	21.2	26.5	30.5	33.1	33.1	31.8
80°	1.3	1.3	5.3	9.2	17.2	22.6	29.1	31.8	35.8	33.1	29.1
82.5°	1.3	1.3	5.3	9.2	15.9	22.6	30.5	34.5	37.1	33.1	27.8
85°	0.0	1.3	4.0	7.9	13.2	15.9	13.2	9.2	5.3	5.3	4.0
87.5°	0.0	0.0	1.3	1.3	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)