

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: P648277

Luminaire Tested: **GALN-SA2B-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8944.2 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

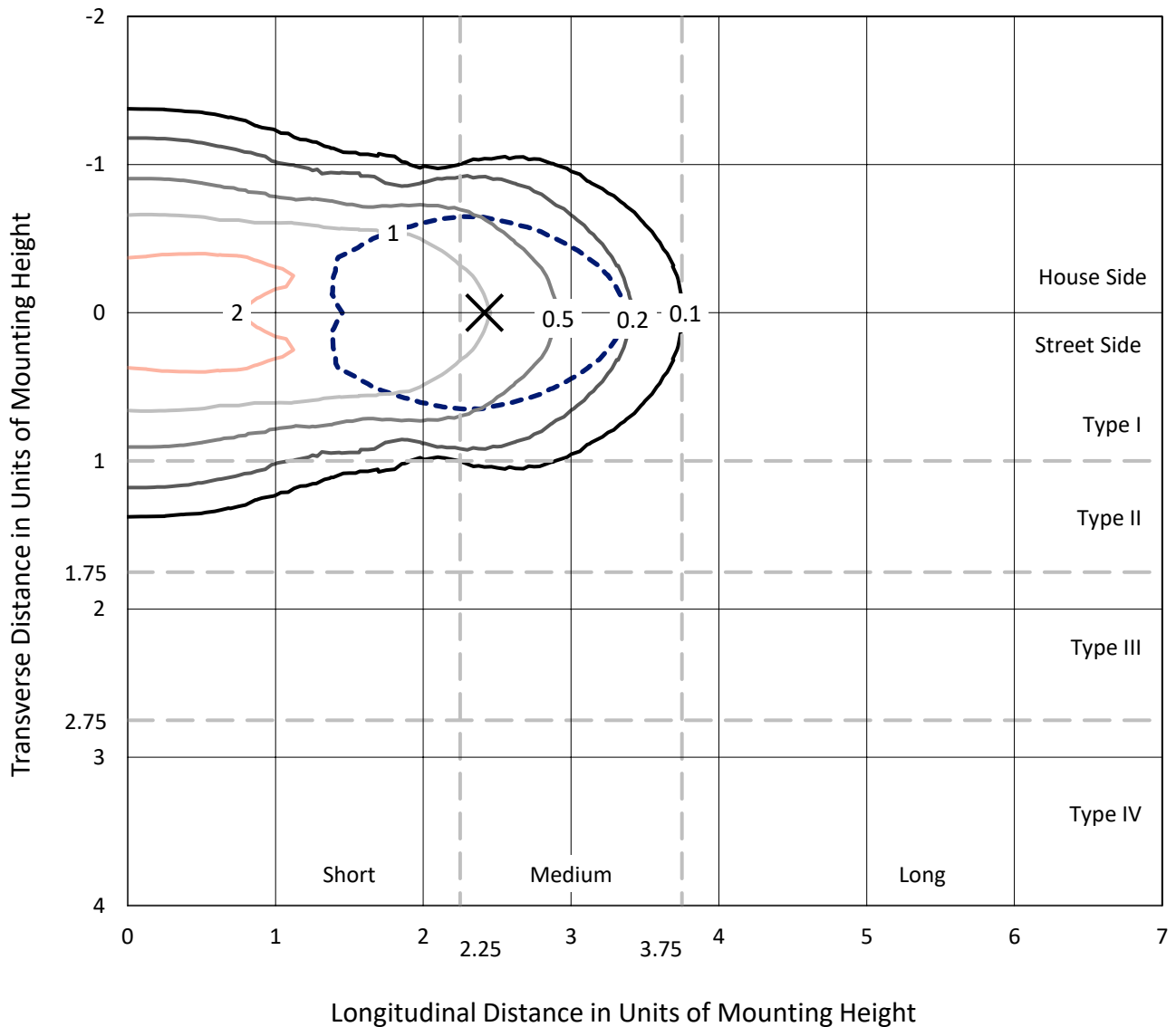
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648277
 CATALOG NUMBER: GALN-SA2B-835-U-T1

Iso-Footcandle Lines of Horizontal Illumination

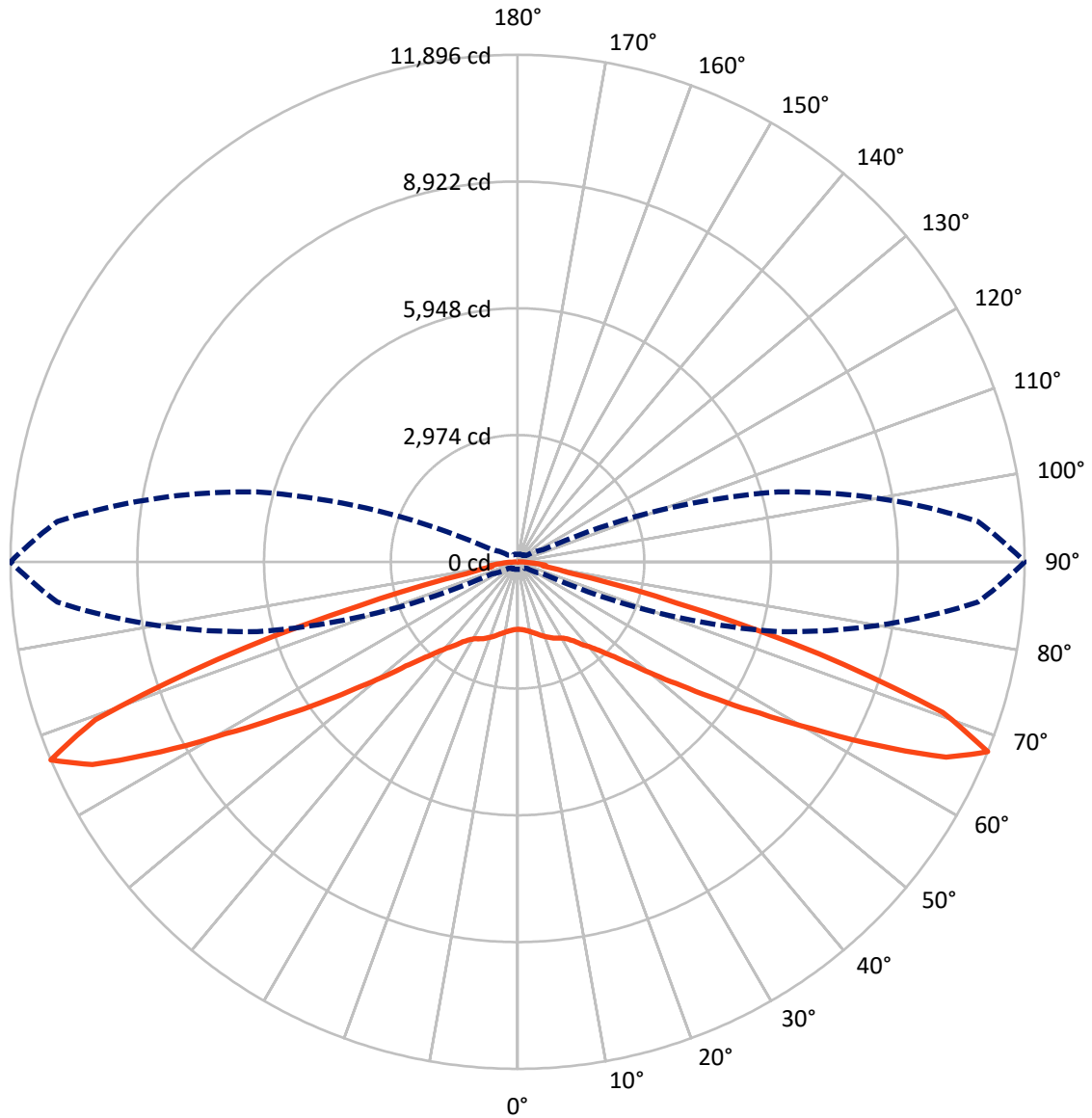
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type I - Short - N/A

REPORT NUMBER: P648277
CATALOG NUMBER: GALN-SA2B-835-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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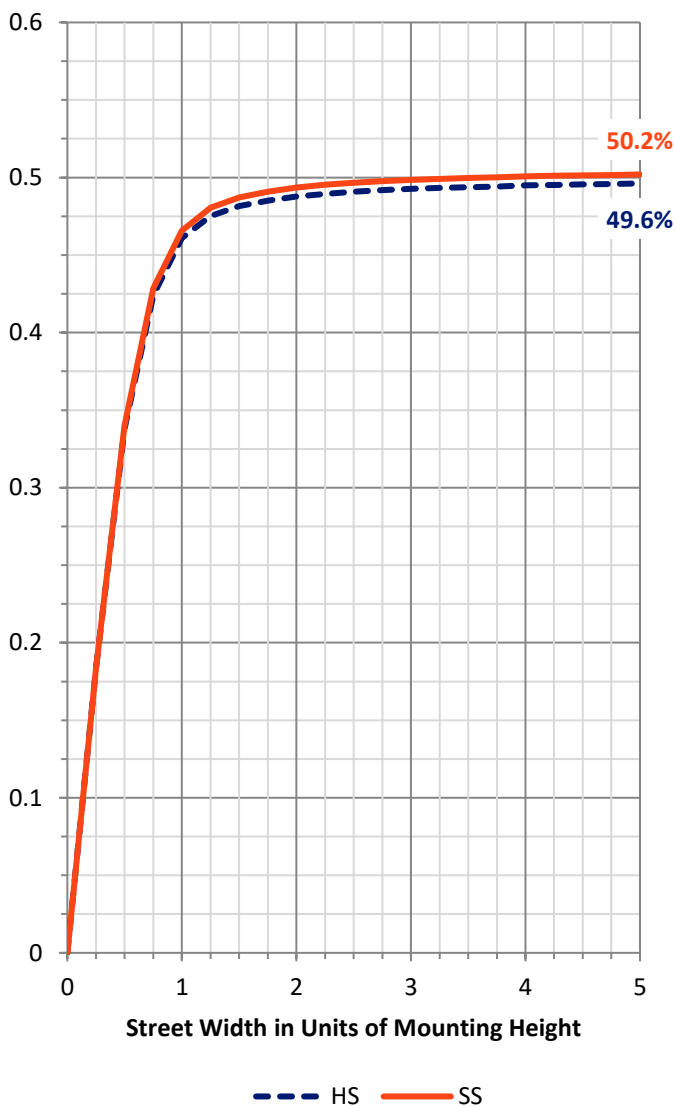
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4472.1	0.0	4472.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4472.1	0.0	4472.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8944.2	0.0	8944.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.8
10°-20°	505.1	5.6
20°-30°	845.4	9.5
30°-40°	1145.3	12.8
40°-50°	1450.7	16.2
50°-60°	1812.2	20.3
60°-70°	2130.2	23.8
70°-80°	814.9	9.1
80°-90°	82.6	0.9
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°	8944.2	100.0
0°-180°	8944.2	100.0

Coefficient of Utilization



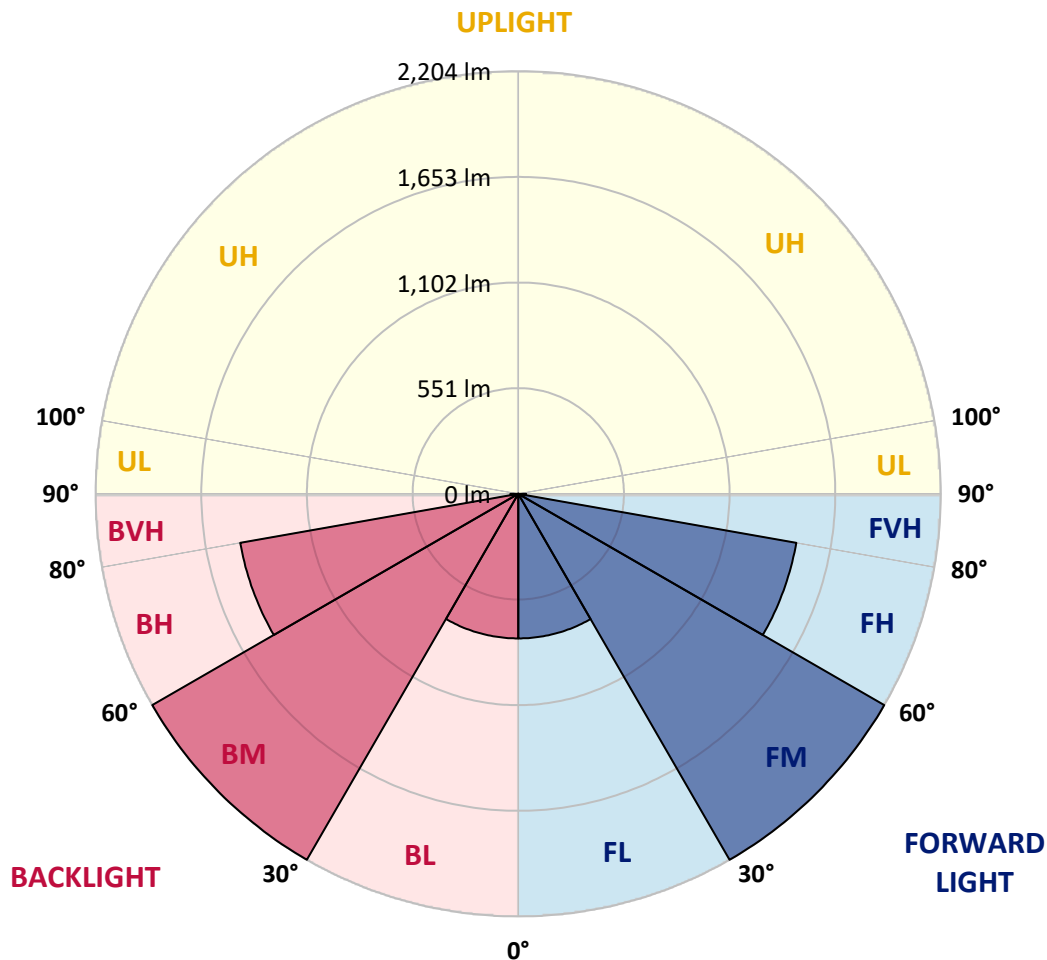
REPORT NUMBER: P648277
 CATALOG NUMBER: GALN-SA2B-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.2	8.4			
FM (30°-60°)	2204.1	24.6			
FH (60°-80°)	1472.6	16.5			G1/1800
FVH (80°-90°)	41.3	0.5			G1/100
BL (0°-30°)	754.2	8.4	B2/1000		
BM (30°-60°)	2204.1	24.6	B2/2500		
BH (60°-80°)	1472.6	16.5	B3/2500		G3/2500
BVH (80°-90°)	41.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4
2.5°	1603.7	1602.7	1603.2	1602.7	1604.2	1603.2	1597.2	1592.3	1588.4	1588.9	1587.4
5°	1637.9	1638.3	1638.9	1636.4	1639.8	1637.9	1628.5	1620.6	1612.6	1609.7	1608.7
7.5°	1666.1	1668.6	1670.1	1672.6	1678.5	1678.5	1673.5	1662.2	1644.8	1634.9	1634.4
10°	1694.3	1696.3	1700.8	1708.7	1718.6	1728.0	1726.0	1710.7	1688.4	1671.5	1667.6
12.5°	1704.3	1706.7	1721.6	1744.4	1766.7	1785.0	1785.0	1772.6	1743.9	1718.1	1710.7
15°	1669.6	1674.1	1700.8	1749.3	1807.8	1847.9	1856.8	1839.4	1808.7	1769.1	1760.2
17.5°	1600.8	1611.6	1650.8	1722.6	1819.6	1902.8	1928.6	1920.2	1880.5	1830.0	1819.6
20°	1526.9	1538.8	1580.4	1675.5	1809.7	1935.0	2009.8	2011.8	1962.8	1889.5	1874.1
22.5°	1445.7	1454.7	1508.1	1619.6	1780.0	1942.5	2079.6	2113.9	2047.5	1948.9	1927.1
25°	1354.6	1364.5	1420.4	1540.8	1724.1	1934.1	2143.5	2218.9	2136.1	2012.3	1984.6
27.5°	1267.4	1271.4	1331.3	1453.6	1650.3	1912.2	2190.6	2315.4	2234.2	2064.8	2029.6
30°	1183.7	1193.1	1246.1	1367.0	1565.6	1869.6	2231.2	2425.3	2339.7	2119.8	2074.7
32.5°	1095.0	1106.5	1163.9	1286.2	1480.9	1805.8	2256.0	2545.7	2486.8	2208.9	2160.9
35°	1009.8	1017.3	1075.2	1194.2	1398.2	1731.5	2260.4	2681.5	2676.5	2344.1	2280.3
37.5°	922.7	933.6	992.1	1106.0	1310.5	1652.8	2238.1	2825.5	2905.3	2531.8	2463.0
40°	839.0	848.4	905.9	1020.8	1211.0	1556.7	2185.2	2957.3	3172.2	2725.0	2627.4
42.5°	747.8	750.3	813.2	930.1	1113.3	1445.2	2108.9	3074.7	3469.9	2984.0	2862.7
45°	644.3	650.8	709.2	824.1	1001.5	1320.4	2005.3	3171.8	3847.3	3343.1	3177.7
47.5°	540.8	546.3	599.8	713.2	879.2	1177.2	1845.9	3257.0	4234.6	3799.3	3582.4
50°	439.8	442.8	486.4	586.9	741.4	1026.7	1648.3	3284.2	4672.5	4445.1	4168.2
52.5°	347.7	352.1	385.3	464.1	594.3	848.9	1434.8	3216.8	5183.6	5210.8	4820.5
55°	281.8	283.3	308.0	366.0	464.6	662.7	1177.2	3029.1	5733.4	6192.0	5694.2
57.5°	242.7	243.7	257.5	289.7	357.6	499.7	913.3	2674.0	6227.1	7341.5	6701.6
60°	220.4	220.9	228.8	247.7	283.3	383.4	654.3	2172.7	6714.5	8620.8	7953.6
62.5°	206.6	206.6	212.0	222.4	239.7	294.2	473.9	1567.6	7048.3	9919.0	9496.9
65°	193.2	193.2	197.2	204.5	214.0	240.7	350.2	1022.3	7039.9	10864.4	11049.1
67.5°	177.8	177.8	180.8	188.2	193.6	207.0	270.4	669.6	6323.7	10843.6	11896.1
70°	159.5	159.5	163.4	169.9	174.4	182.8	213.4	458.1	4645.7	9258.7	10579.7
72.5°	141.2	141.6	144.2	150.6	154.0	158.9	177.3	321.0	2849.8	6304.4	7397.5
75°	120.8	121.8	124.3	130.8	133.7	135.7	149.6	228.8	1441.7	3399.1	3870.1
77.5°	97.6	99.5	101.0	108.0	109.9	112.9	123.3	165.4	633.0	1221.3	1232.3
80°	71.3	73.8	78.2	84.7	86.2	88.2	94.1	117.4	286.7	557.7	605.7
82.5°	52.5	56.0	50.5	59.0	59.0	56.5	66.4	78.8	131.8	552.2	660.7
85°	28.7	29.2	26.2	30.2	32.2	31.7	35.2	38.6	63.9	368.5	379.9
87.5°	7.0	7.4	7.9	9.4	11.4	11.4	12.4	10.9	20.8	119.3	68.4
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)