

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: P647974

Luminaire Tested: **GALN-SA6A-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647974
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-SA6A-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA 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: 11075.5 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

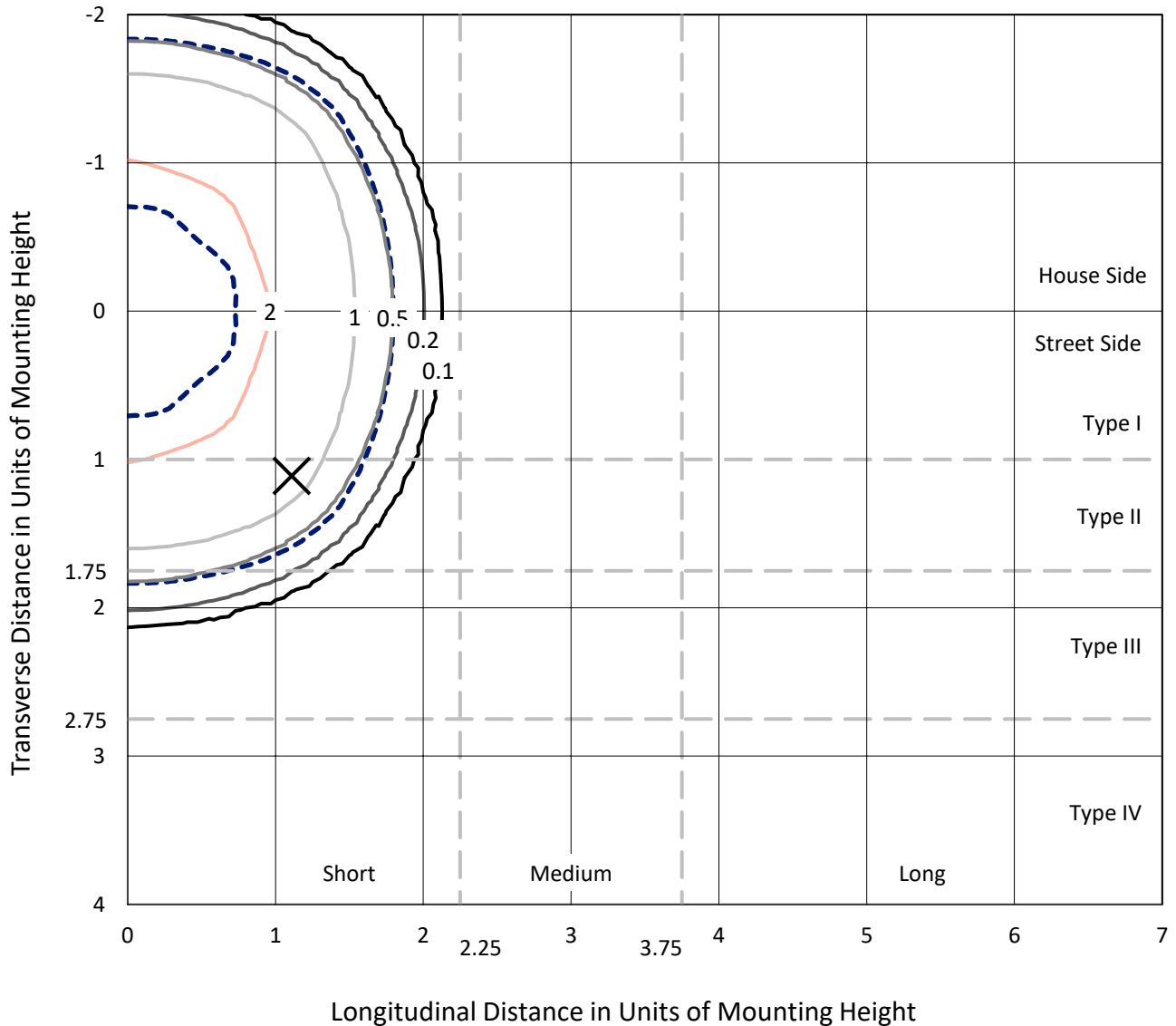
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647974
 CATALOG NUMBER: GALN-SA6A-835-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

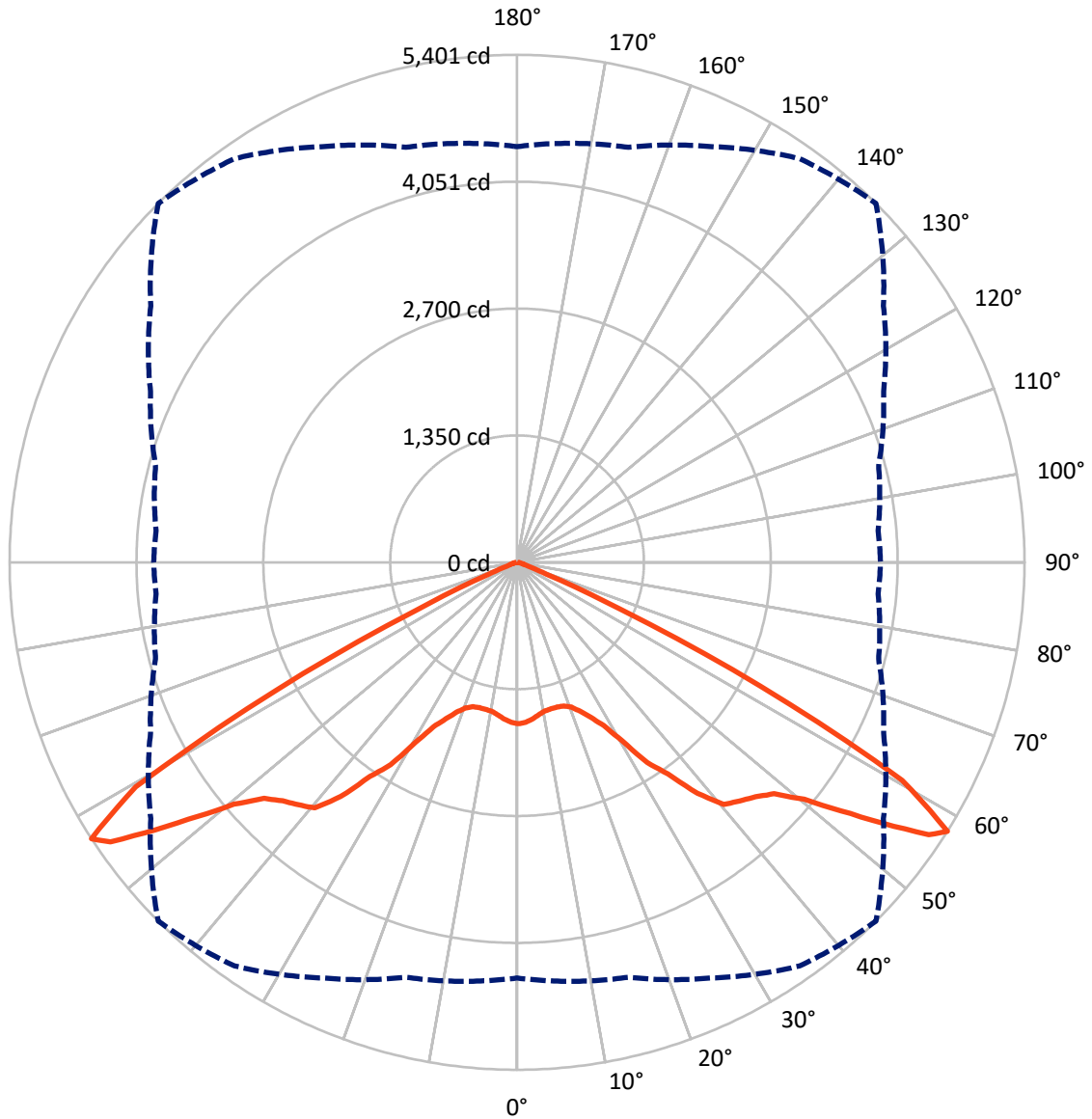
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P647974
CATALOG NUMBER: GALN-SA6A-835-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P647974
 CATALOG NUMBER: GALN-SA6A-835-U-5WQ-GRSBK

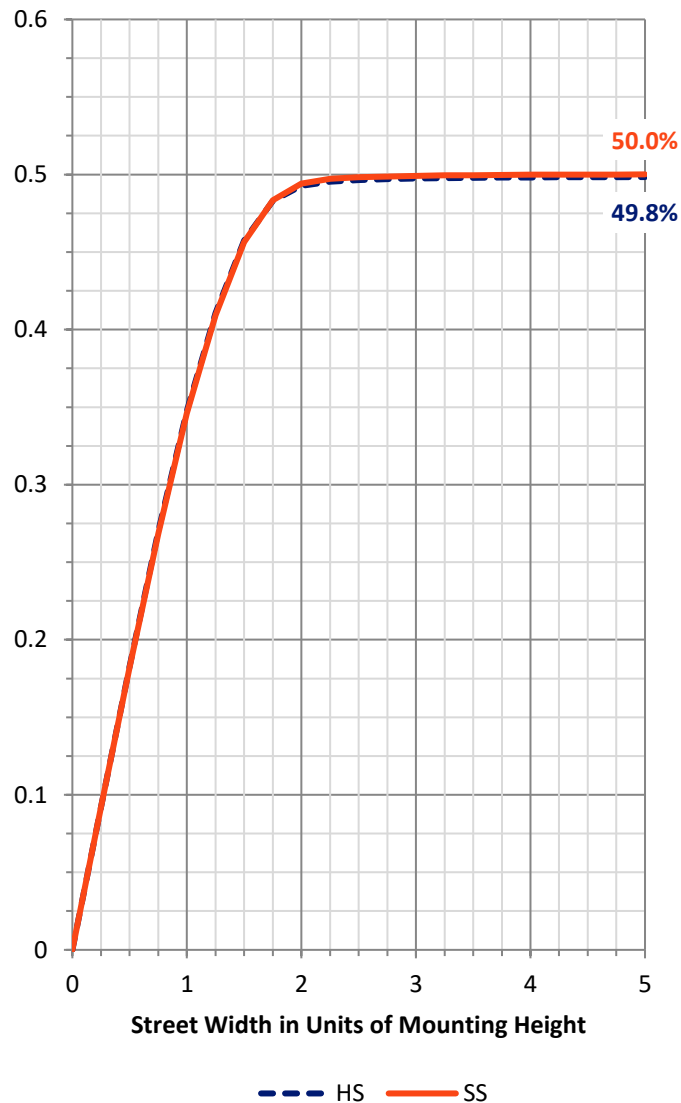
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5537.8	0.0	5537.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5537.8	0.0	5537.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11075.5	0.0	11075.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.4
10°-20°	456.3	4.1
20°-30°	842.3	7.6
30°-40°	1656.5	15.0
40°-50°	2697.9	24.4
50°-60°	3847.6	34.7
60°-70°	1332.1	12.0
70°-80°	71.5	0.6
80°-90°	13.4	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°	11075.5	100.0
0°-180°	11075.5	100.0

Coefficient of Utilization



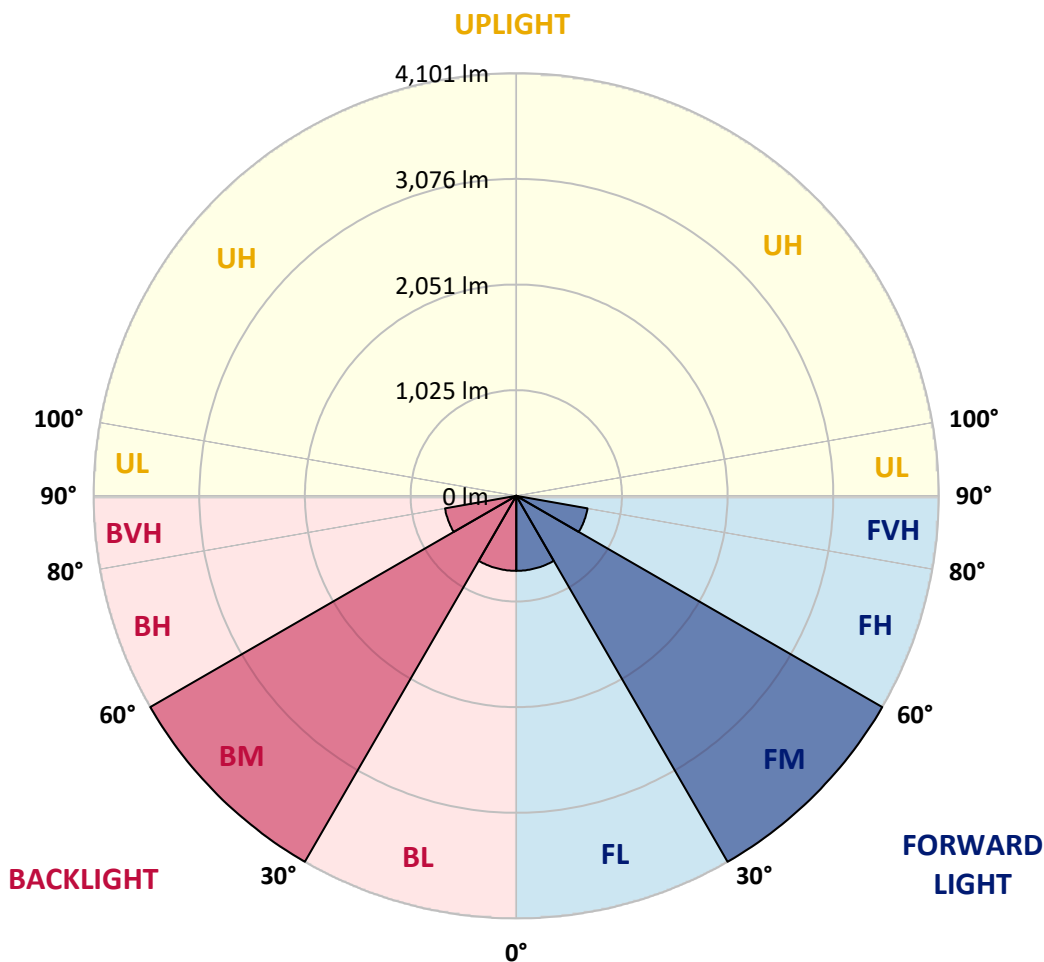
REPORT NUMBER: P647974
 CATALOG NUMBER: GALN-SA6A-835-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.2	6.6			
FM (30°-60°)	4101.0	37.0			
FH (60°-80°)	701.8	6.3			G1/1800
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	728.2	6.6	B2/1000		
BM (30°-60°)	4101.0	37.0	B3/5000		
BH (60°-80°)	701.8	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.7	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-G1

Type V Short





REPORT NUMBER: P647974

CATALOG NUMBER: GALN-SA6A-835-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9	1717.9
2.5°	1713.3	1722.5	1711.0	1706.4	1704.0	1704.0	1697.2	1697.2	1694.8	1697.2	1687.9
5°	1685.6	1694.8	1694.8	1692.5	1678.7	1676.4	1669.4	1664.8	1667.2	1657.9	1664.8
7.5°	1657.9	1664.8	1655.6	1653.3	1648.7	1639.4	1637.1	1616.3	1618.6	1618.6	1623.2
10°	1653.3	1651.0	1637.1	1625.6	1611.7	1609.4	1602.5	1597.9	1597.9	1595.5	1602.5
12.5°	1653.3	1641.7	1639.4	1614.0	1590.9	1600.1	1581.7	1570.1	1586.3	1590.9	1600.1
15°	1651.0	1662.5	1623.2	1611.7	1595.5	1597.9	1581.7	1570.1	1579.4	1584.0	1590.9
17.5°	1664.8	1657.9	1646.3	1623.2	1616.3	1607.1	1586.3	1577.1	1577.1	1588.6	1590.9
20°	1701.8	1683.3	1660.2	1648.7	1655.6	1644.1	1618.6	1584.0	1593.2	1602.5	1609.4
22.5°	1736.4	1722.5	1706.4	1699.4	1738.7	1720.3	1676.4	1637.1	1623.2	1639.4	1651.0
25°	1803.3	1803.3	1773.3	1782.6	1826.4	1828.8	1778.0	1708.7	1699.4	1706.4	1711.0
27.5°	1939.6	1946.5	1921.1	1930.3	1948.8	1965.0	1921.1	1863.4	1842.6	1840.3	1847.3
30°	2087.4	2101.3	2098.9	2138.2	2191.3	2200.5	2135.9	2041.2	1978.9	1967.3	1976.5
32.5°	2281.3	2288.2	2283.6	2329.8	2473.0	2540.0	2371.4	2237.5	2154.3	2175.1	2154.3
35°	2646.1	2639.3	2588.4	2597.7	2715.4	2763.9	2602.3	2516.9	2477.6	2519.1	2509.9
37.5°	2960.2	2934.8	2893.3	2953.2	3075.6	3119.6	2951.0	2800.9	2729.3	2798.6	2828.6
40°	3225.7	3161.0	3103.3	3163.4	3327.4	3387.3	3140.3	3017.9	2990.2	3041.0	3105.7
42.5°	3449.7	3408.2	3332.0	3336.6	3445.1	3472.8	3274.2	3202.6	3174.9	3255.8	3288.1
45°	3609.0	3569.8	3498.2	3493.6	3576.7	3558.3	3380.4	3332.0	3348.1	3401.2	3417.4
47.5°	3689.9	3710.6	3669.1	3680.6	3724.5	3680.6	3539.8	3539.8	3502.8	3535.2	3519.0
50°	3923.1	3858.4	3911.6	3911.6	3957.7	3962.3	3821.5	3770.7	3671.4	3616.0	3616.0
52.5°	4195.5	4200.2	4220.9	4297.1	4375.6	4442.6	4241.7	4024.7	3858.4	3786.8	3777.6
55°	4419.5	4465.7	4548.8	4692.0	4918.3	5010.7	4664.3	4276.4	4073.2	3962.3	3939.3
56°	4541.9	4498.0	4641.2	4837.5	5133.0	5253.1	4733.5	4327.2	4103.2	3978.5	3976.2
57.5°	4424.1	4472.7	4571.9	4881.3	5243.8	5400.9	4758.9	4304.1	3983.1	3856.1	3867.6
60°	3493.6	3539.8	3673.7	4020.1	4588.1	4710.4	4027.0	3549.0	3262.7	3080.2	3082.6
62.5°	1976.5	2011.2	2115.1	2436.1	2789.4	2907.1	2509.9	2191.3	1992.7	1891.1	1858.8
65°	727.3	713.5	729.7	893.6	1110.7	1210.0	1043.7	882.0	778.1	741.2	727.3
67.5°	272.5	251.7	235.5	251.7	316.3	334.8	307.1	256.3	240.1	247.0	251.7
70°	168.6	159.3	127.0	120.0	117.8	115.4	122.4	129.3	147.8	173.2	177.8
72.5°	117.8	110.9	90.0	85.4	80.8	78.5	90.0	99.3	115.4	133.9	136.2
75°	46.2	48.5	46.2	50.8	53.1	55.4	64.7	71.6	78.5	78.5	76.2
77.5°	9.2	9.2	13.9	18.5	23.1	30.0	43.8	50.8	53.1	50.8	43.8
80°	0.0	0.0	4.6	9.2	18.5	25.4	39.2	43.8	48.5	43.8	34.6
82.5°	0.0	0.0	4.6	11.5	18.5	23.1	37.0	46.2	53.1	48.5	37.0
85°	0.0	0.0	4.6	9.2	13.9	16.1	16.1	11.5	11.5	6.9	4.6
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)