

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: P647542

Luminaire Tested: **GALN-SA7D-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36967.8 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

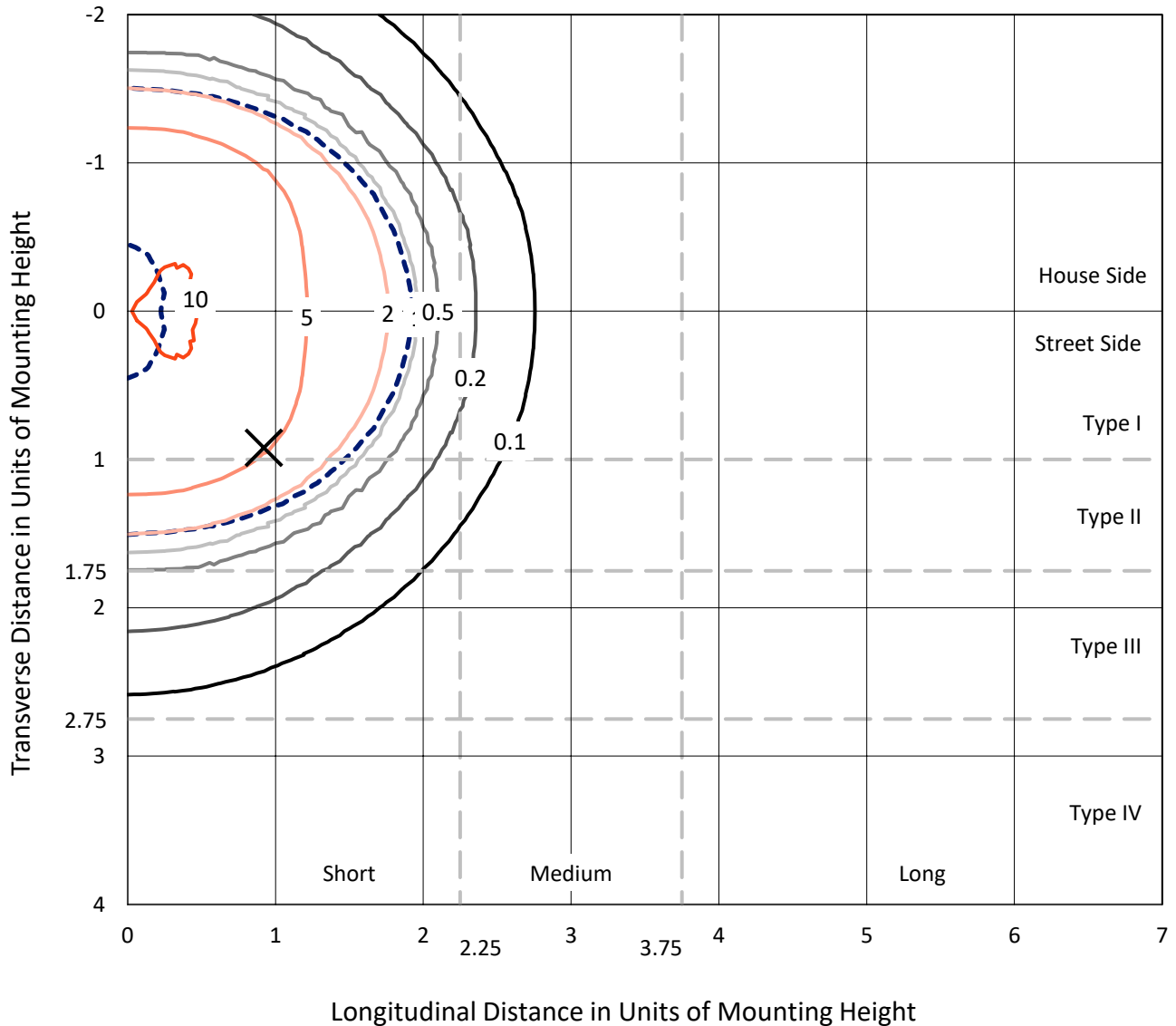
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

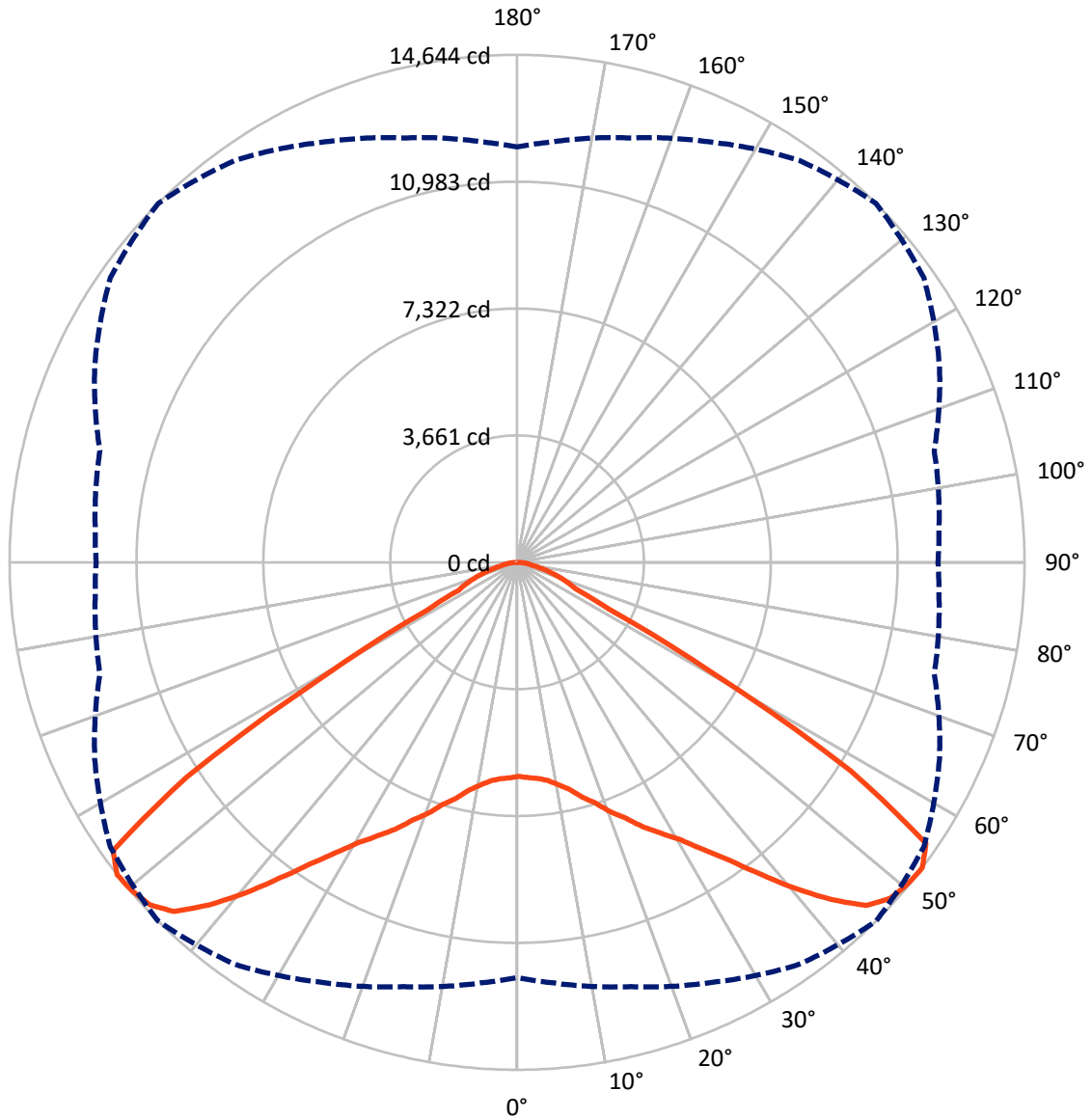
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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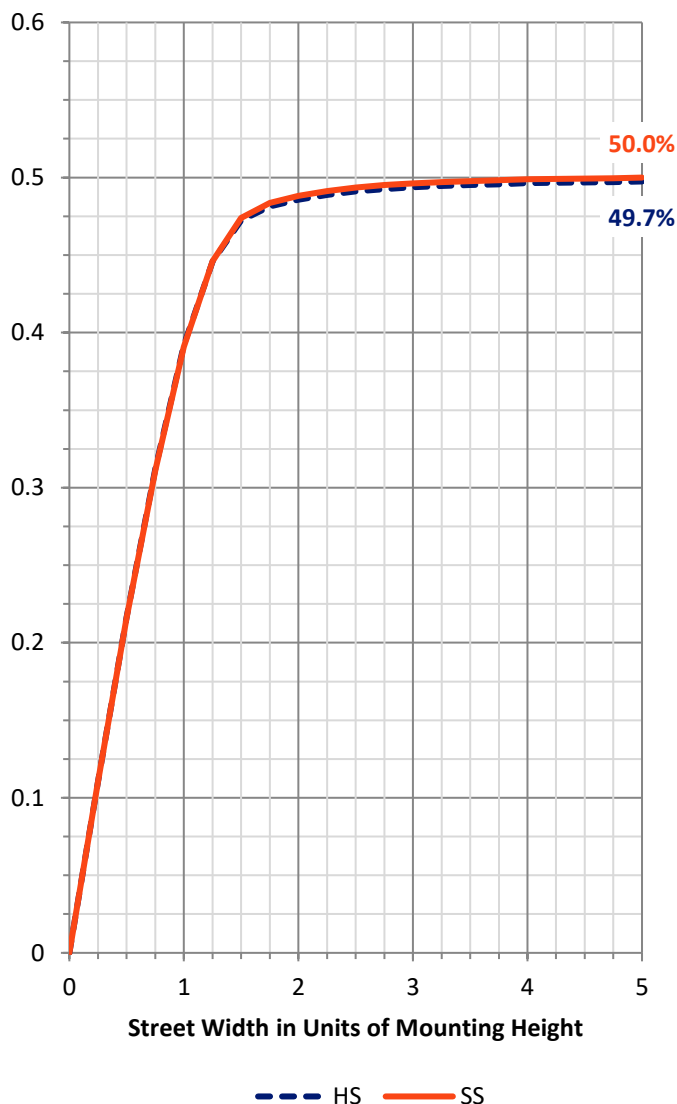
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18483.9	0.0	18483.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18483.9	0.0	18483.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	36967.8	0.0	36967.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.1	1.6
10°-20°	1995.0	5.4
20°-30°	3798.2	10.3
30°-40°	6521.8	17.6
40°-50°	10024.1	27.1
50°-60°	10179.3	27.5
60°-70°	2836.8	7.7
70°-80°	836.8	2.3
80°-90°	168.6	0.5
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°	36967.8	100.0
0°-180°	36967.8	100.0

Coefficient of Utilization



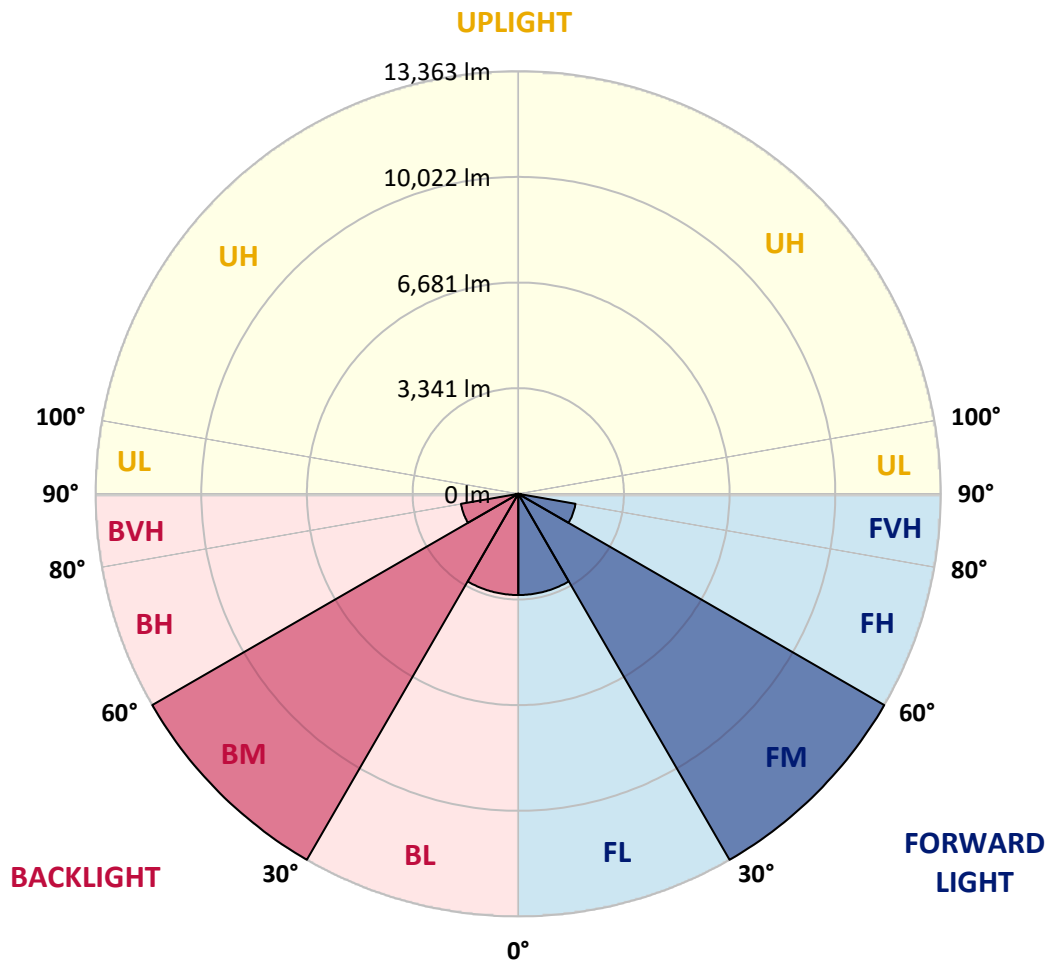
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3200.2	8.7			
FM (30°-60°)	13362.6	36.1			
FH (60°-80°)	1836.8	5.0			G2/5000
FVH (80°-90°)	84.3	0.2			G1/100
BL (0°-30°)	3200.2	8.7	B4/5000		
BM (30°-60°)	13362.6	36.1	B5		
BH (60°-80°)	1836.8	5.0	B3/2500		G2/5000
BVH (80°-90°)	84.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7	6179.7
2.5°	6193.5	6129.2	6152.1	6165.9	6225.6	6220.9	6207.2	6225.6	6243.9	6248.5	6239.3
5°	6188.8	6142.9	6161.3	6175.1	6234.7	6266.8	6257.7	6335.6	6390.7	6376.9	6445.7
7.5°	6152.1	6179.7	6156.7	6225.6	6276.0	6354.0	6436.6	6509.9	6578.8	6656.8	6670.5
10°	6234.7	6234.7	6276.0	6331.0	6464.1	6523.7	6643.0	6748.5	6881.6	6973.3	6936.6
12.5°	6321.9	6335.6	6335.6	6477.8	6587.9	6721.0	6831.1	6973.3	7161.4	7271.6	7326.6
15°	6409.0	6418.3	6464.1	6656.8	6822.0	7033.0	7133.9	7262.3	7367.9	7574.4	7578.9
17.5°	6487.0	6537.5	6675.2	6890.7	7097.2	7299.0	7459.6	7592.7	7684.4	7767.0	7748.6
20°	6780.6	6817.3	6959.5	7175.2	7482.6	7679.8	7734.9	7757.8	7817.5	7982.6	7932.2
22.5°	7065.1	7078.9	7211.9	7542.2	7757.8	8019.3	8079.0	8065.2	8088.2	8129.4	8202.9
25°	7358.7	7381.7	7565.1	7845.0	8147.8	8459.8	8510.2	8404.7	8372.5	8418.4	8423.0
27.5°	7734.9	7739.5	7973.4	8216.6	8560.7	8854.3	8932.3	8849.7	8698.3	8735.0	8794.7
30°	8212.0	8179.9	8413.9	8762.6	9124.9	9290.1	9423.2	9381.9	9216.7	9184.6	9134.2
32.5°	8762.6	8771.7	8982.7	9363.5	9602.1	9877.4	10019.6	9950.8	9845.2	9790.2	9822.3
35°	9537.9	9579.1	9721.3	10037.9	10423.3	10560.9	10785.7	10638.9	10363.6	10432.5	10492.1
37.5°	10175.6	10294.8	10560.9	10937.1	11166.5	11418.8	11501.4	11304.1	11102.2	11019.7	11216.9
40°	11152.7	11116.0	11409.6	11785.9	12125.3	12377.7	12272.1	12074.9	11574.8	11579.4	11634.4
42.5°	11992.3	12010.7	12235.5	12685.0	13148.4	13304.3	12969.5	12487.8	11932.6	11873.0	11992.3
45°	12698.8	12772.2	12900.6	13501.7	13955.8	14125.6	13506.2	12937.4	12194.1	11946.4	12143.7
47.5°	12951.1	13070.4	13350.2	13900.8	14350.4	14488.0	13992.5	13175.9	12437.3	12033.6	12139.1
50°	12987.9	12946.5	13405.3	13909.9	14304.5	14602.7	14166.9	13350.2	12377.7	12166.6	12134.5
52.5°	11983.1	12185.0	12675.8	13368.6	14166.9	14644.0	14322.9	13446.6	12460.3	12221.7	12143.7
55°	9698.4	9459.9	10354.5	11519.7	12987.9	14313.6	14267.8	13497.0	12510.7	12313.5	12207.9
57.5°	5413.5	5482.3	5987.0	7253.2	9147.9	11350.0	12685.0	12964.9	12487.8	12373.0	12428.1
60°	2504.9	2527.8	2743.5	3335.3	4509.7	6436.6	8193.6	9978.3	10799.4	10964.7	10964.7
62.5°	1867.2	1858.1	1913.1	2018.6	2266.3	2959.1	3950.0	5367.6	6496.2	7285.3	7491.7
65°	1688.3	1683.7	1711.2	1747.9	1766.3	1862.6	2082.9	2518.7	2885.7	3096.7	3060.0
67.5°	1477.2	1472.7	1481.8	1504.8	1536.9	1587.4	1642.4	1734.2	1862.6	1853.4	1830.5
70°	1192.8	1192.8	1206.6	1224.9	1261.6	1321.2	1385.5	1449.7	1559.8	1582.8	1578.1
72.5°	880.9	867.1	894.6	931.3	968.0	1041.4	1110.2	1169.9	1247.9	1270.8	1261.6
75°	559.7	568.8	587.2	628.5	692.7	743.2	816.6	867.1	917.5	935.9	940.5
77.5°	311.9	321.1	353.3	403.7	467.9	523.0	587.2	628.5	660.6	665.2	669.8
80°	188.1	192.7	224.8	270.7	325.7	385.4	435.8	477.2	504.6	490.9	486.3
82.5°	114.7	119.3	146.8	188.1	234.0	279.8	334.9	371.6	399.1	380.8	362.5
85°	59.7	64.2	87.1	114.7	151.4	174.3	174.3	156.0	151.4	142.2	137.7
87.5°	18.3	18.3	22.9	27.6	22.9	27.6	32.1	36.7	36.7	41.3	36.7
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)