

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: P648167

Luminaire Tested: **GALN-SA9A-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648167
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-SA9A-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32404.5 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

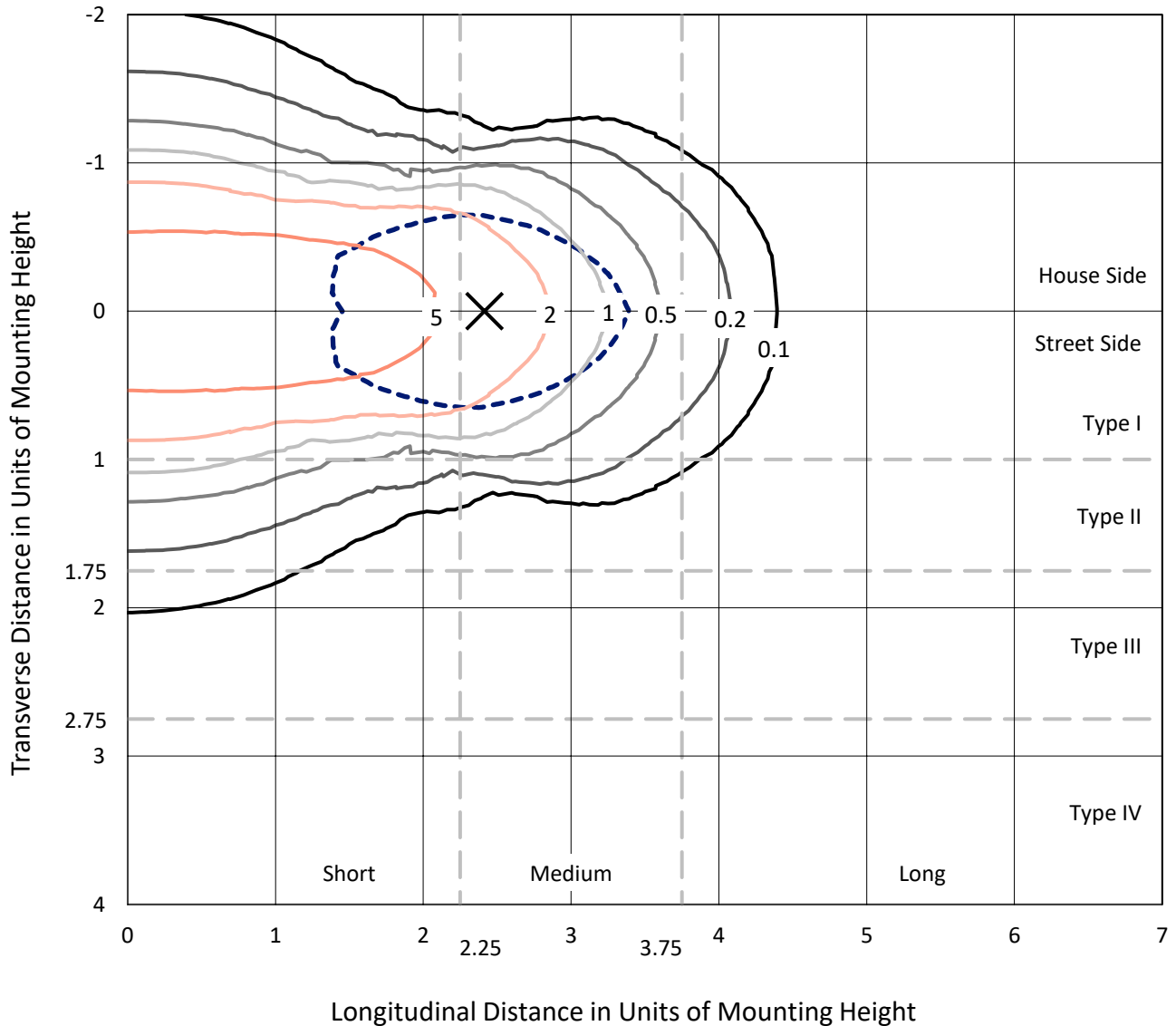
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

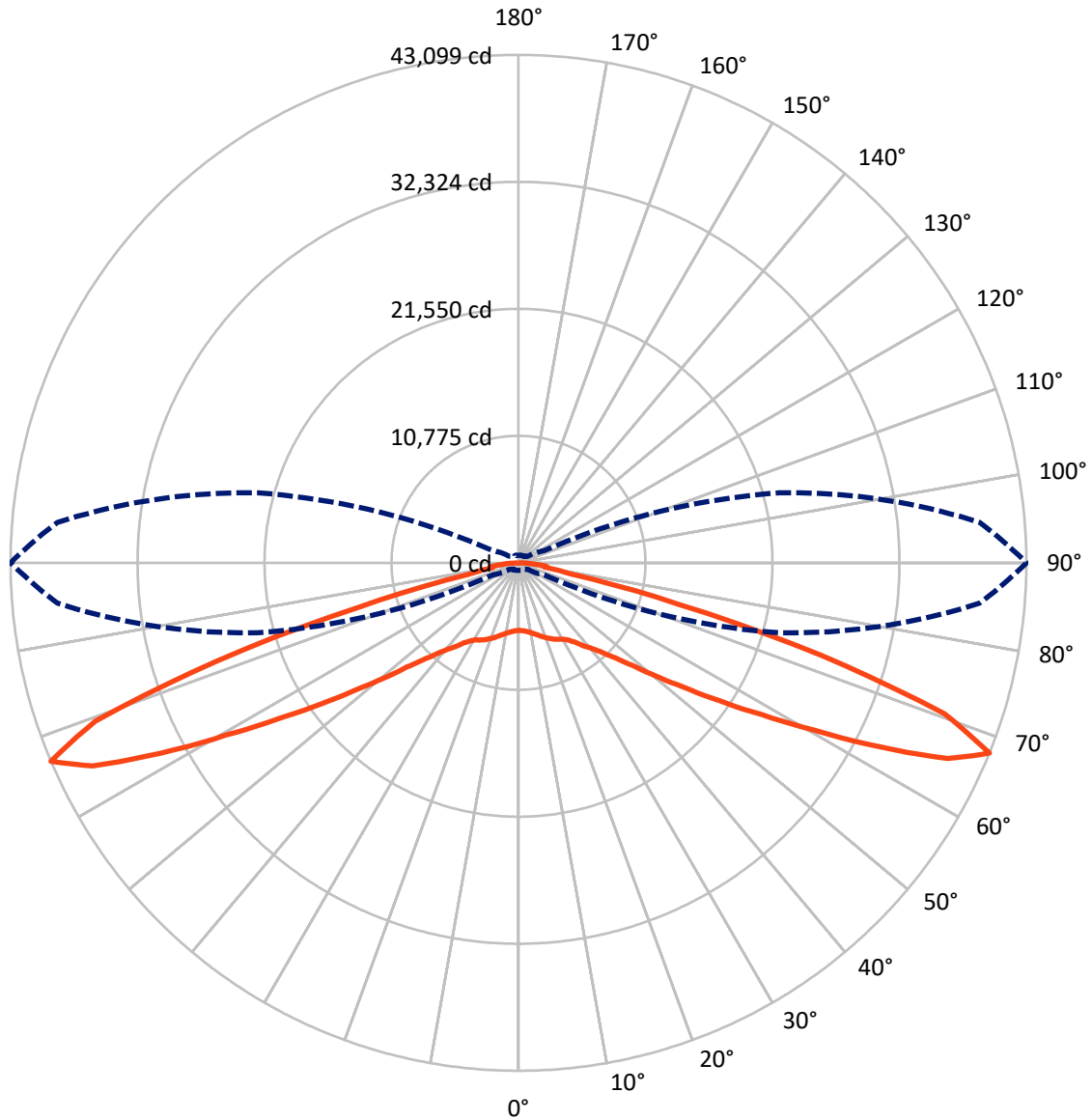
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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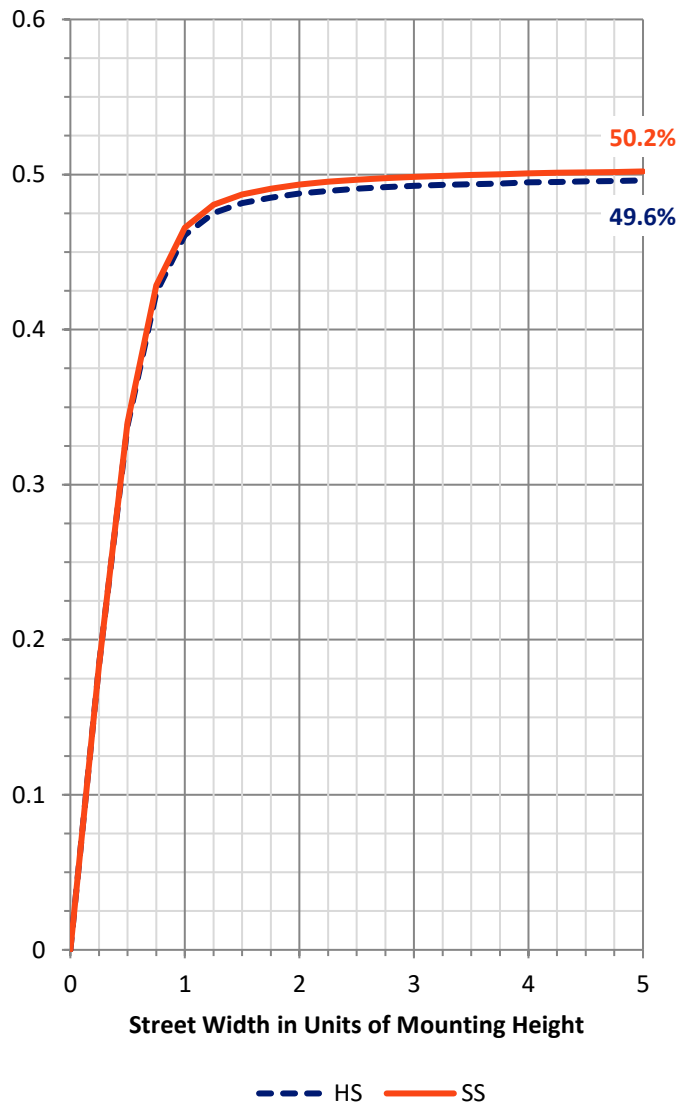
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16202.2	0.0	16202.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16202.2	0.0	16202.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	32404.5	0.0	32404.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.9	1.8
10°-20°	1829.9	5.6
20°-30°	3062.8	9.5
30°-40°	4149.3	12.8
40°-50°	5255.7	16.2
50°-60°	6565.7	20.3
60°-70°	7717.7	23.8
70°-80°	2952.4	9.1
80°-90°	299.1	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°	32404.5	100.0
0°-180°	32404.5	100.0

Coefficient of Utilization

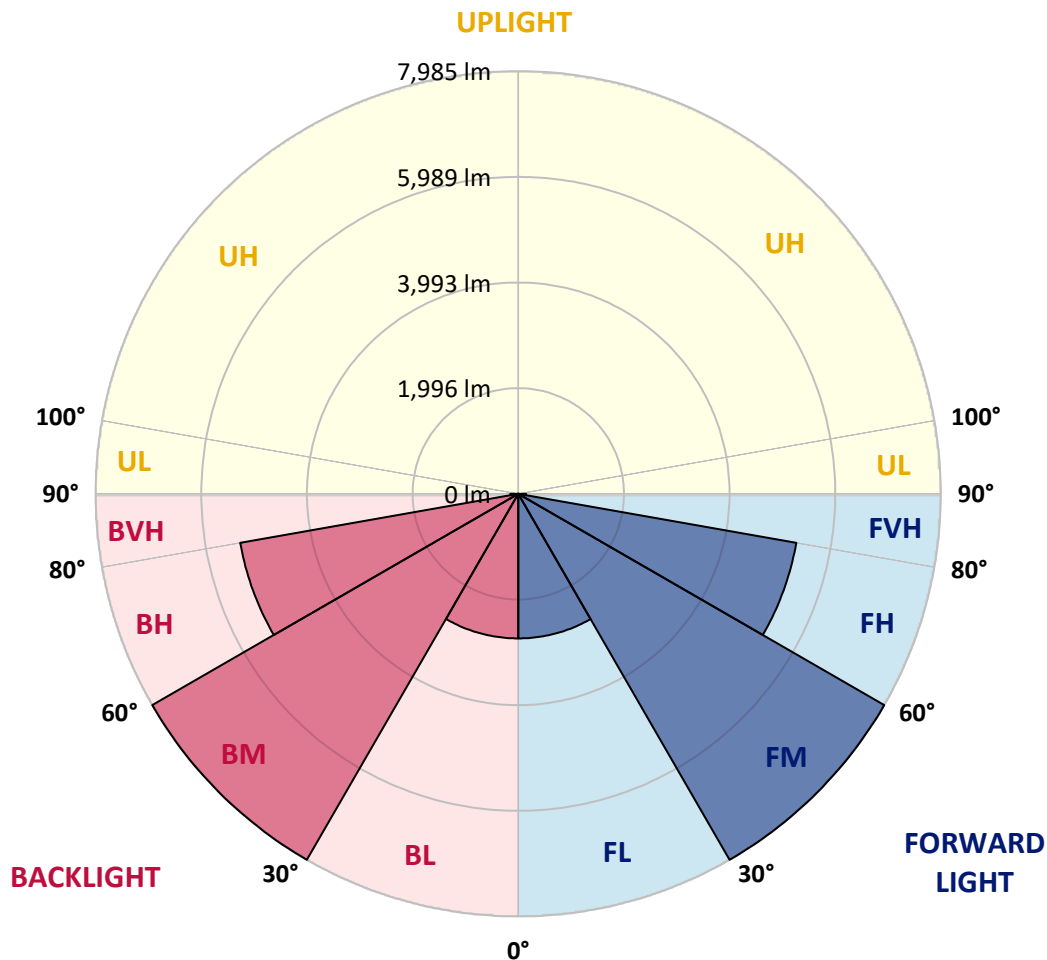


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2732.3	8.4			
FM (30°-60°)	7985.3	24.6			
FH (60°-80°)	5335.0	16.5			G3/7500
FVH (80°-90°)	149.6	0.5			G2/225
BL (0°-30°)	2732.3	8.4	B4/5000		
BM (30°-60°)	7985.3	24.6	B4/8500		
BH (60°-80°)	5335.0	16.5	B5		G5
BVH (80°-90°)	149.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6	5736.6
2.5°	5810.2	5806.6	5808.4	5806.6	5812.0	5808.4	5786.8	5768.9	5754.6	5756.3	5751.0
5°	5934.0	5935.8	5937.6	5928.6	5941.2	5934.0	5899.9	5871.2	5842.4	5831.7	5828.1
7.5°	6036.2	6045.2	6050.6	6059.6	6081.1	6081.1	6063.2	6021.9	5959.1	5923.2	5921.4
10°	6138.6	6145.7	6161.9	6190.6	6226.5	6260.6	6253.4	6197.8	6117.0	6056.0	6041.6
12.5°	6174.4	6183.4	6237.2	6319.7	6400.5	6466.9	6466.9	6422.0	6317.9	6224.7	6197.8
15°	6048.8	6065.0	6161.9	6337.7	6549.5	6694.8	6727.1	6664.3	6553.0	6409.5	6377.2
17.5°	5799.4	5838.9	5980.6	6240.8	6592.5	6894.0	6987.3	6956.8	6813.2	6630.2	6592.5
20°	5532.1	5575.1	5725.8	6070.4	6556.6	7010.6	7281.6	7288.7	7111.0	6845.5	6789.9
22.5°	5237.8	5270.1	5463.9	5867.6	6448.9	7037.5	7534.6	7658.4	7417.9	7060.9	6981.9
25°	4907.6	4943.5	5146.3	5582.3	6246.2	7007.0	7766.0	8038.7	7739.1	7290.5	7190.1
27.5°	4591.8	4606.2	4823.3	5266.5	5978.8	6928.1	7936.5	8388.7	8094.4	7480.7	7353.3
30°	4288.6	4322.6	4514.6	4952.5	5672.0	6773.7	8083.6	8787.1	8476.6	7679.9	7516.6
32.5°	3967.4	4008.6	4216.8	4659.9	5365.2	6542.3	8173.3	9223.0	9009.5	8002.9	7828.8
35°	3658.7	3685.7	3895.6	4326.2	5065.5	6273.1	8189.5	9714.7	9696.8	8492.7	8261.3
37.5°	3342.9	3382.4	3594.1	4006.8	4747.9	5987.8	8108.7	10236.9	10525.8	9172.8	8923.4
40°	3039.7	3073.7	3281.9	3698.2	4387.2	5639.7	7916.8	10714.2	11493.0	9872.6	9519.2
42.5°	2709.5	2718.5	2946.4	3369.8	4033.7	5236.0	7640.4	11139.4	12571.4	10811.0	10371.5
45°	2334.4	2357.8	2569.6	2985.8	3628.2	4783.8	7265.4	11491.2	13938.7	12112.0	11512.7
47.5°	1959.5	1979.2	2173.0	2583.9	3185.0	4265.2	6687.6	11799.7	15341.9	13764.6	12978.7
50°	1593.4	1604.1	1762.1	2126.3	2686.2	3719.7	5971.6	11898.5	16928.1	16104.4	15101.4
52.5°	1259.6	1275.8	1396.0	1681.3	2153.2	3075.5	5198.3	11654.4	18779.9	18878.5	17464.6
55°	1021.0	1026.4	1116.1	1326.0	1683.1	2400.8	4265.2	10974.4	20771.6	22433.2	20629.9
57.5°	879.2	882.8	933.1	1049.7	1295.6	1810.5	3308.8	9687.8	22560.6	26598.0	24279.6
60°	798.5	800.3	829.0	897.2	1026.4	1388.8	2370.4	7871.9	24326.2	31232.8	28815.8
62.5°	748.2	748.2	768.0	805.7	868.5	1065.8	1717.2	5679.2	25535.7	35935.9	34407.1
65°	699.8	699.8	714.2	741.1	775.2	872.0	1268.6	3703.6	25505.1	39361.3	40030.6
67.5°	644.2	644.2	655.0	681.8	701.6	750.0	979.7	2426.0	22910.5	39285.9	43099.0
70°	577.8	577.8	592.1	615.4	631.6	662.1	773.4	1659.8	16831.2	33544.0	38329.5
72.5°	511.4	513.2	522.2	545.5	558.0	576.0	642.4	1162.8	10324.8	22840.5	26800.7
75°	437.9	441.4	450.4	473.7	484.4	491.6	541.9	829.0	5223.4	12314.8	14021.2
77.5°	353.5	360.6	366.1	391.2	398.3	409.1	446.8	599.3	2293.2	4424.9	4464.4
80°	258.4	267.4	283.5	306.9	312.2	319.4	340.9	425.2	1039.0	2020.5	2194.5
82.5°	190.2	202.8	183.0	213.5	213.5	204.5	240.5	285.3	477.3	2000.7	2393.7
85°	104.1	105.9	95.1	109.5	116.7	114.9	127.4	139.9	231.5	1335.0	1376.3
87.5°	25.1	26.9	28.7	34.1	41.3	41.3	44.9	39.5	75.3	432.5	247.6
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)