

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: P648607

Luminaire Tested: **GALN-SA8B-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648607
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-SA8B-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 35913.9 lumens
Efficiency: N/A
Efficacy: 110.5 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

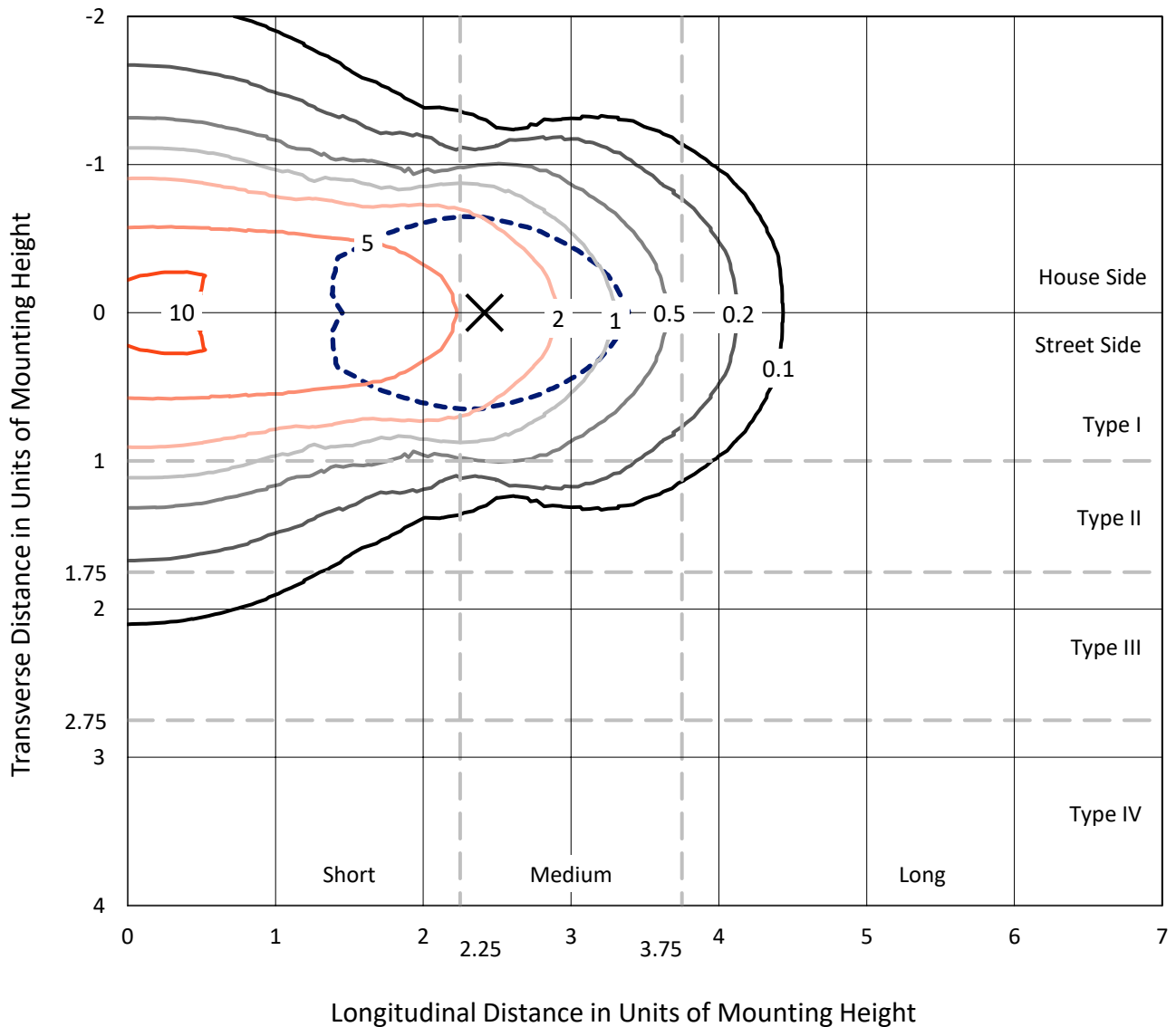
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

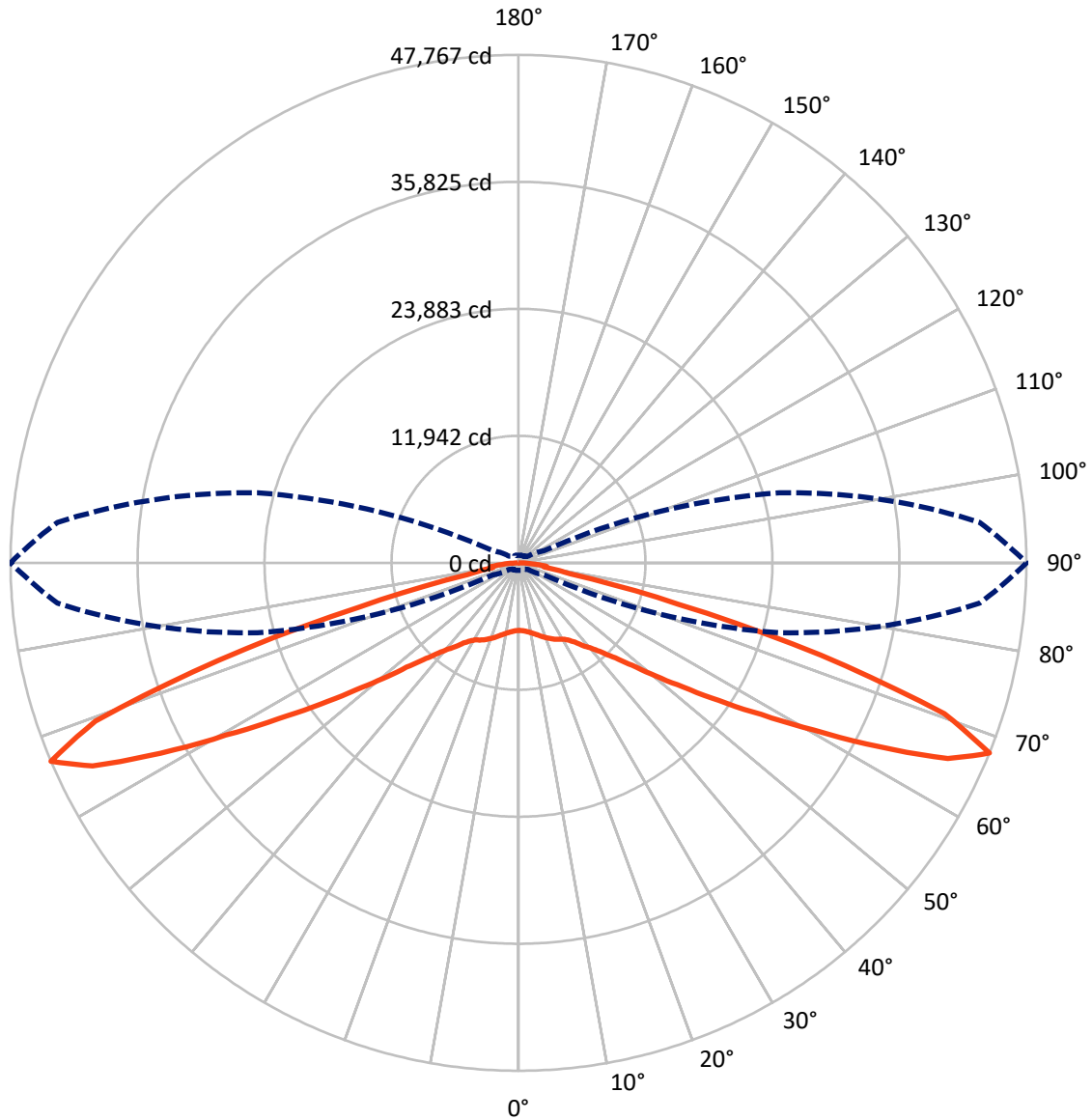
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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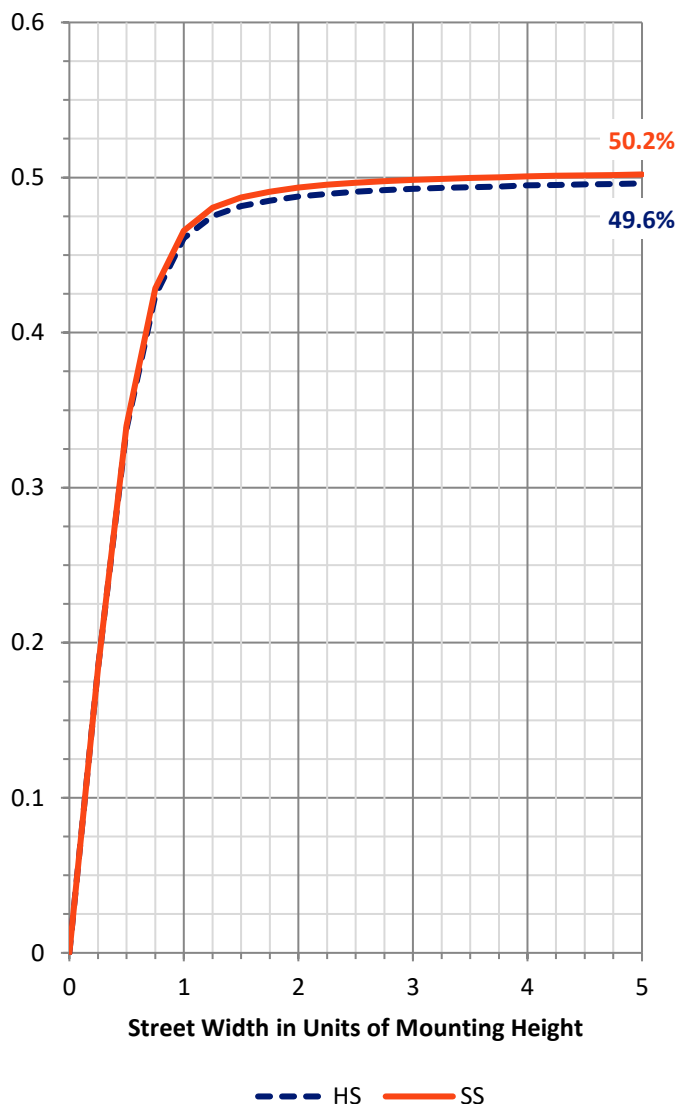
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17956.9	0.0	17956.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17956.9	0.0	17956.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	35913.9	0.0	35913.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.9	1.8
10°-20°	2028.1	5.6
20°-30°	3394.5	9.5
30°-40°	4598.6	12.8
40°-50°	5824.9	16.2
50°-60°	7276.8	20.3
60°-70°	8553.5	23.8
70°-80°	3272.1	9.1
80°-90°	331.5	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°	35913.9	100.0
0°-180°	35913.9	100.0

Coefficient of Utilization

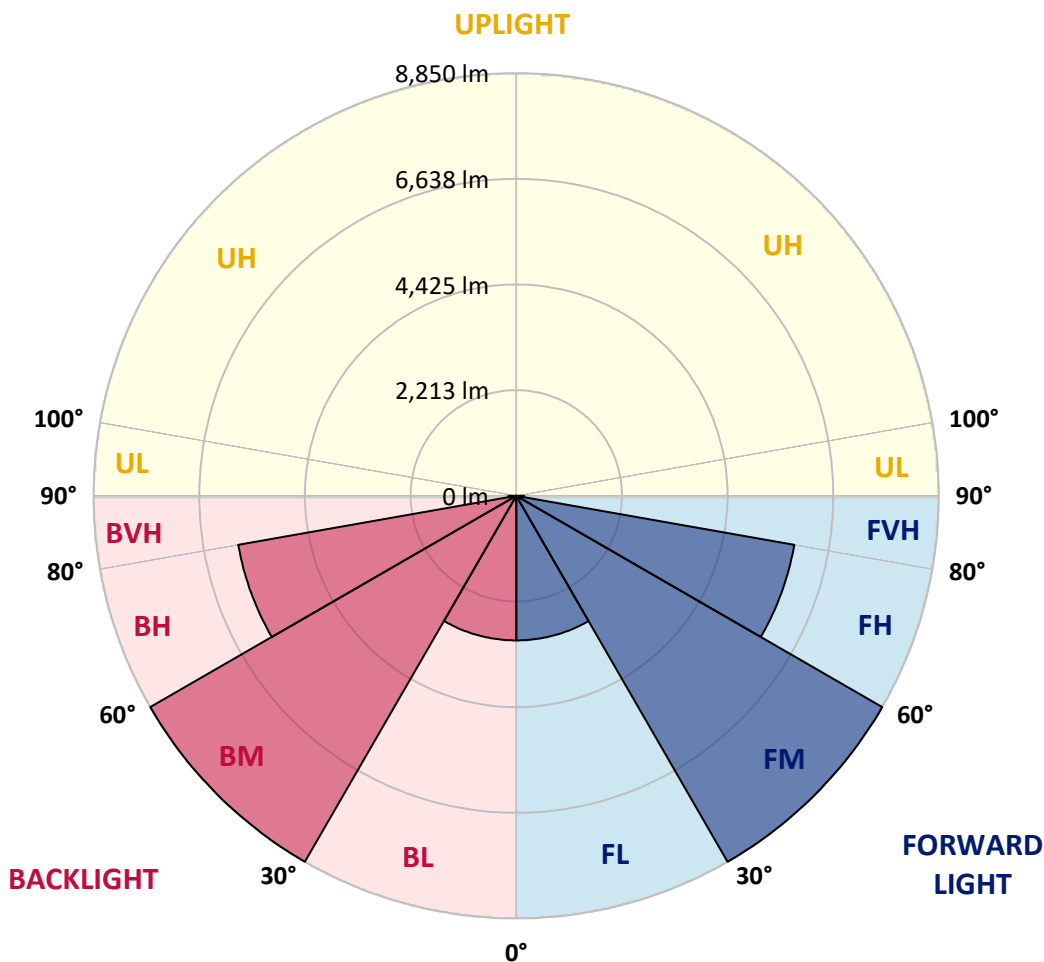


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3028.2	8.4			
FM (30°-60°)	8850.2	24.6			
FH (60°-80°)	5912.8	16.5			G3/7500
FVH (80°-90°)	165.7	0.5			G2/225
BL (0°-30°)	3028.2	8.4	B4/5000		
BM (30°-60°)	8850.2	24.6	B5		
BH (60°-80°)	5912.8	16.5	B5		G5
BVH (80°-90°)	165.7	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°	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9	6357.9
2.5°	6439.4	6435.4	6437.4	6435.4	6441.4	6437.4	6413.6	6393.7	6377.8	6379.7	6373.8
5°	6576.7	6578.6	6580.6	6570.7	6584.6	6576.7	6538.8	6507.0	6475.2	6463.3	6459.3
7.5°	6690.0	6699.9	6705.9	6715.9	6739.7	6739.7	6719.8	6674.1	6604.4	6564.7	6562.7
10°	6803.3	6811.3	6829.2	6861.0	6900.8	6938.6	6930.6	6868.9	6779.4	6711.9	6696.0
12.5°	6843.1	6853.1	6912.7	7004.2	7093.7	7167.3	7167.3	7117.5	7002.2	6898.8	6868.9
15°	6703.9	6721.8	6829.2	7024.1	7258.7	7419.9	7455.6	7386.0	7262.7	7103.6	7067.8
17.5°	6427.5	6471.3	6628.3	6916.7	7306.5	7640.6	7744.0	7710.2	7551.1	7348.2	7306.5
20°	6131.1	6178.9	6345.9	6727.8	7266.7	7769.9	8070.1	8078.1	7881.2	7586.9	7525.3
22.5°	5805.0	5840.8	6055.6	6503.0	7147.4	7799.7	8350.5	8487.8	8221.3	7825.5	7738.0
25°	5439.1	5478.9	5703.6	6186.9	6922.7	7765.9	8607.1	8909.4	8577.3	8080.1	7968.7
27.5°	5089.1	5105.0	5345.6	5836.8	6626.4	7678.3	8796.0	9297.2	8971.0	8290.9	8149.7
30°	4753.0	4790.8	5003.6	5488.8	6286.3	7507.3	8959.1	9738.6	9394.6	8511.6	8330.7
32.5°	4397.0	4442.7	4673.4	5164.7	5946.2	7250.8	9058.5	10221.9	9985.3	8869.6	8676.7
35°	4054.9	4084.8	4317.5	4794.8	5614.1	6952.5	9076.5	10766.8	10746.9	9412.5	9156.0
37.5°	3704.9	3748.7	3983.4	4440.8	5262.1	6636.3	8987.0	11345.5	11665.7	10166.2	9889.8
40°	3368.9	3406.7	3637.3	4098.7	4862.4	6250.5	8774.1	11874.5	12737.6	10941.8	10550.1
42.5°	3003.0	3012.9	3265.4	3734.8	4470.6	5803.0	8467.9	12345.9	13932.9	11981.9	11494.7
45°	2587.3	2613.2	2847.8	3309.2	4021.2	5301.8	8052.2	12735.7	15448.2	13423.8	12759.5
47.5°	2171.7	2193.5	2408.4	2863.7	3529.9	4727.1	7411.9	13077.7	17003.4	15255.3	14384.3
50°	1766.0	1777.9	1952.9	2356.6	2977.0	4122.6	6618.4	13187.1	18761.4	17848.6	16736.9
52.5°	1396.1	1413.9	1547.2	1863.4	2386.4	3408.6	5761.2	12916.6	20813.7	20923.1	19356.0
55°	1131.6	1137.5	1237.0	1469.6	1865.4	2660.9	4727.1	12162.9	23021.2	24862.8	22864.1
57.5°	974.4	978.4	1034.1	1163.4	1435.9	2006.6	3667.2	10737.0	25003.9	29478.5	26909.1
60°	884.9	887.0	918.8	994.3	1137.5	1539.2	2627.0	8724.4	26960.8	34615.3	31936.5
62.5°	829.3	829.3	851.2	892.9	962.5	1181.3	1903.2	6294.2	28301.1	39827.7	38133.3
65°	775.6	775.6	791.5	821.4	859.1	966.5	1406.0	4104.6	28267.4	43624.1	44365.9
67.5°	713.9	713.9	725.8	755.7	777.6	831.3	1085.9	2688.7	25391.8	43540.6	47766.6
70°	640.3	640.3	656.2	682.1	700.0	733.8	857.2	1839.6	18654.0	37176.8	42480.6
72.5°	566.8	568.8	578.7	604.6	618.5	638.4	712.0	1288.7	11443.0	25314.2	29703.2
75°	485.2	489.2	499.2	525.0	537.0	544.9	600.6	918.8	5789.1	13648.5	15539.7
77.5°	391.7	399.7	405.7	433.5	441.5	453.4	495.2	664.2	2541.5	4904.2	4947.9
80°	286.3	296.3	314.2	340.1	346.0	354.0	377.9	471.3	1151.5	2239.3	2432.2
82.5°	210.8	224.7	202.9	236.6	236.6	226.7	266.5	316.2	529.0	2217.4	2653.0
85°	115.3	117.4	105.4	121.3	129.3	127.3	141.2	155.1	256.5	1479.6	1525.4
87.5°	27.9	29.8	31.8	37.8	45.7	45.7	49.7	43.8	83.5	479.3	274.4
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)