

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: P648497

Luminaire Tested: **GALN-SA6B-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648497
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-SA6B-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 26373.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

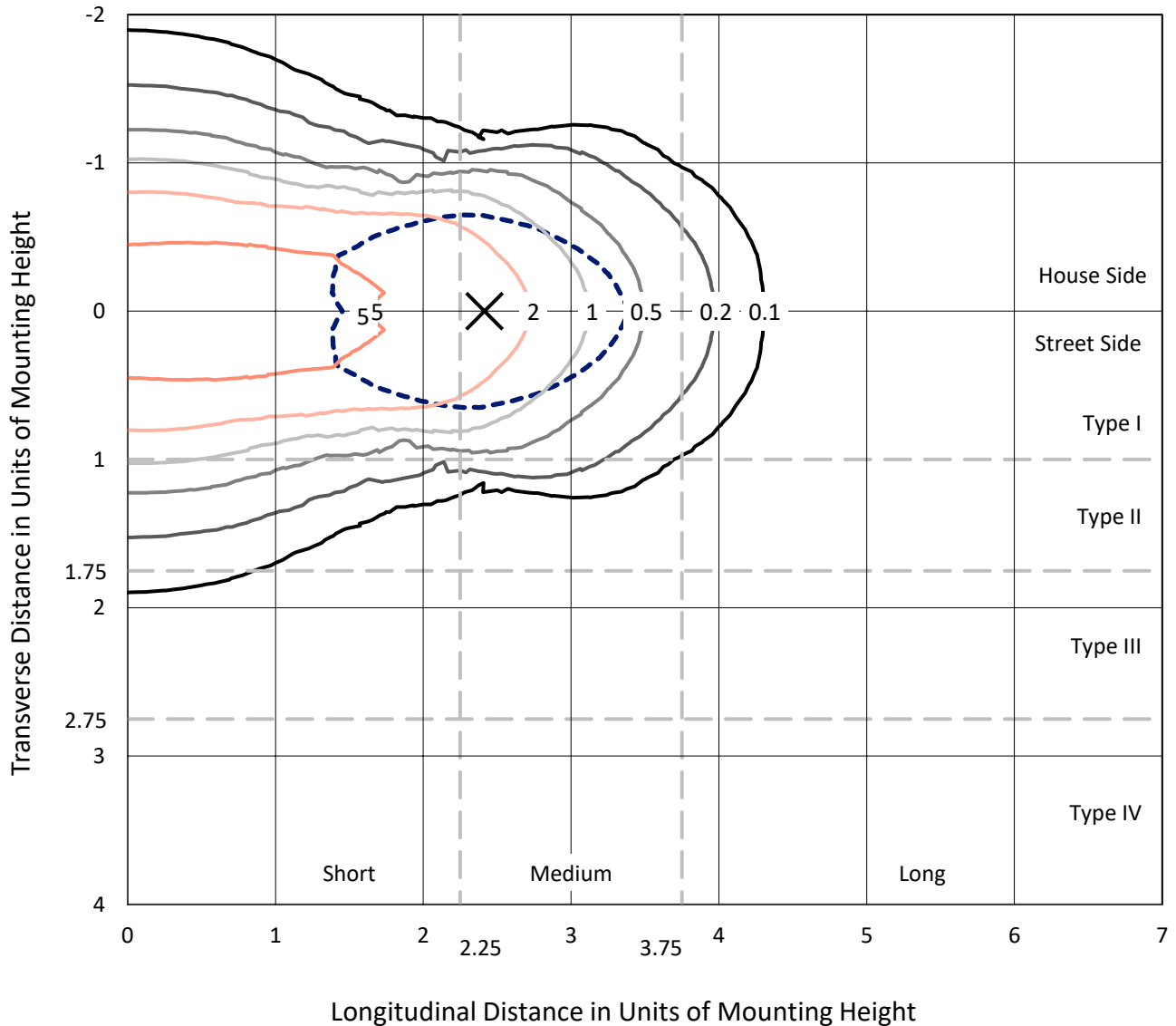
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

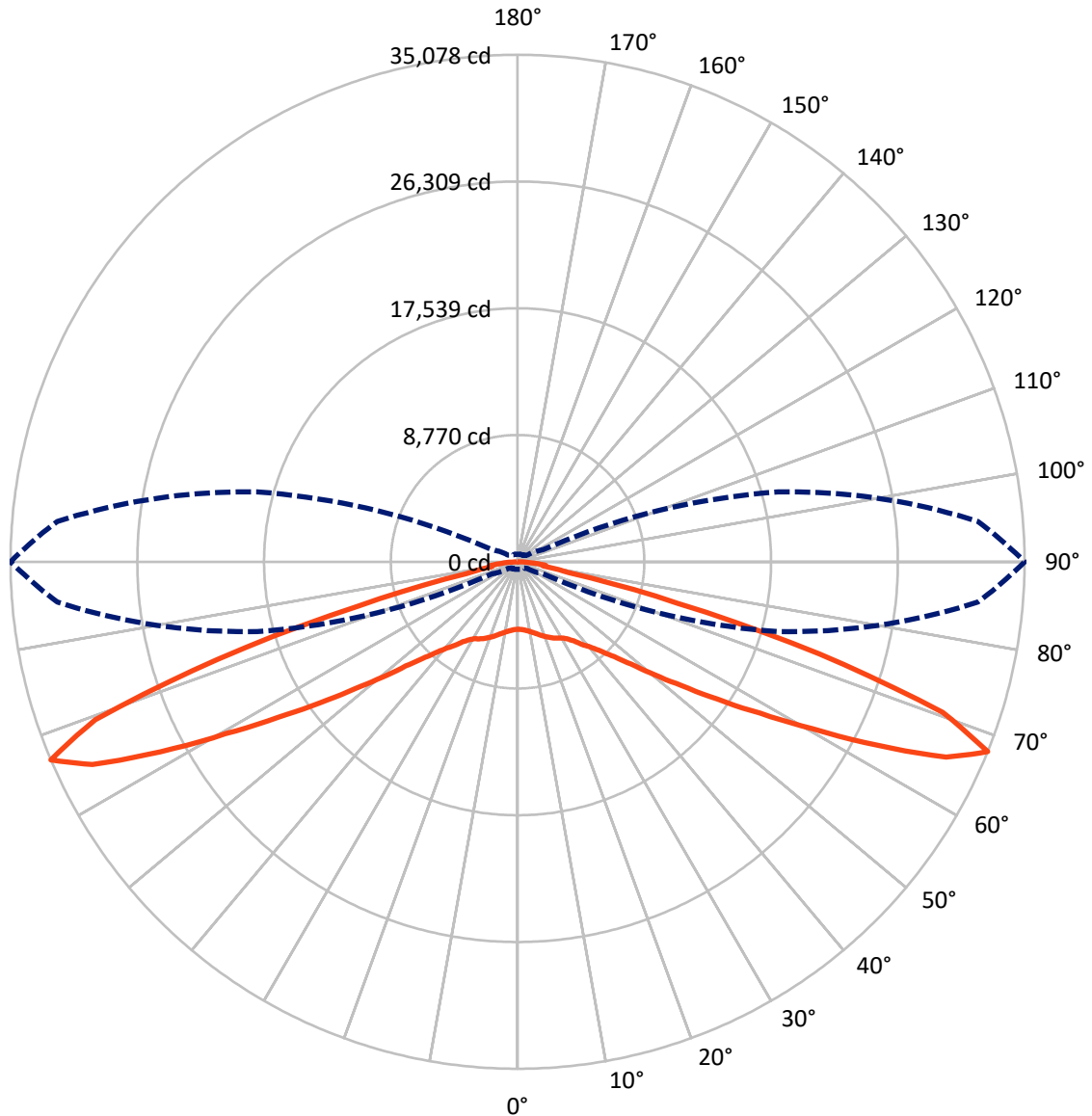
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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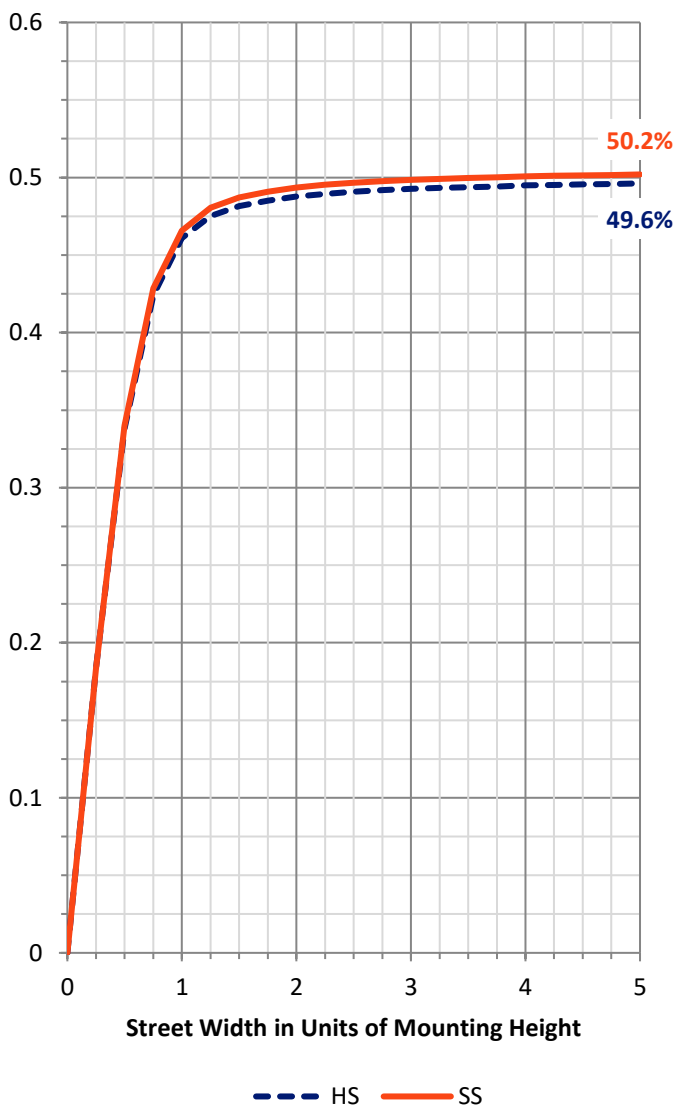
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13186.9	0.0	13186.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13186.9	0.0	13186.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	26373.8	0.0	26373.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.5	1.8
10°-20°	1489.3	5.6
20°-30°	2492.8	9.5
30°-40°	3377.1	12.8
40°-50°	4277.6	16.2
50°-60°	5343.8	20.3
60°-70°	6281.4	23.8
70°-80°	2402.9	9.1
80°-90°	243.4	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°	26373.8	100.0
0°-180°	26373.8	100.0

Coefficient of Utilization

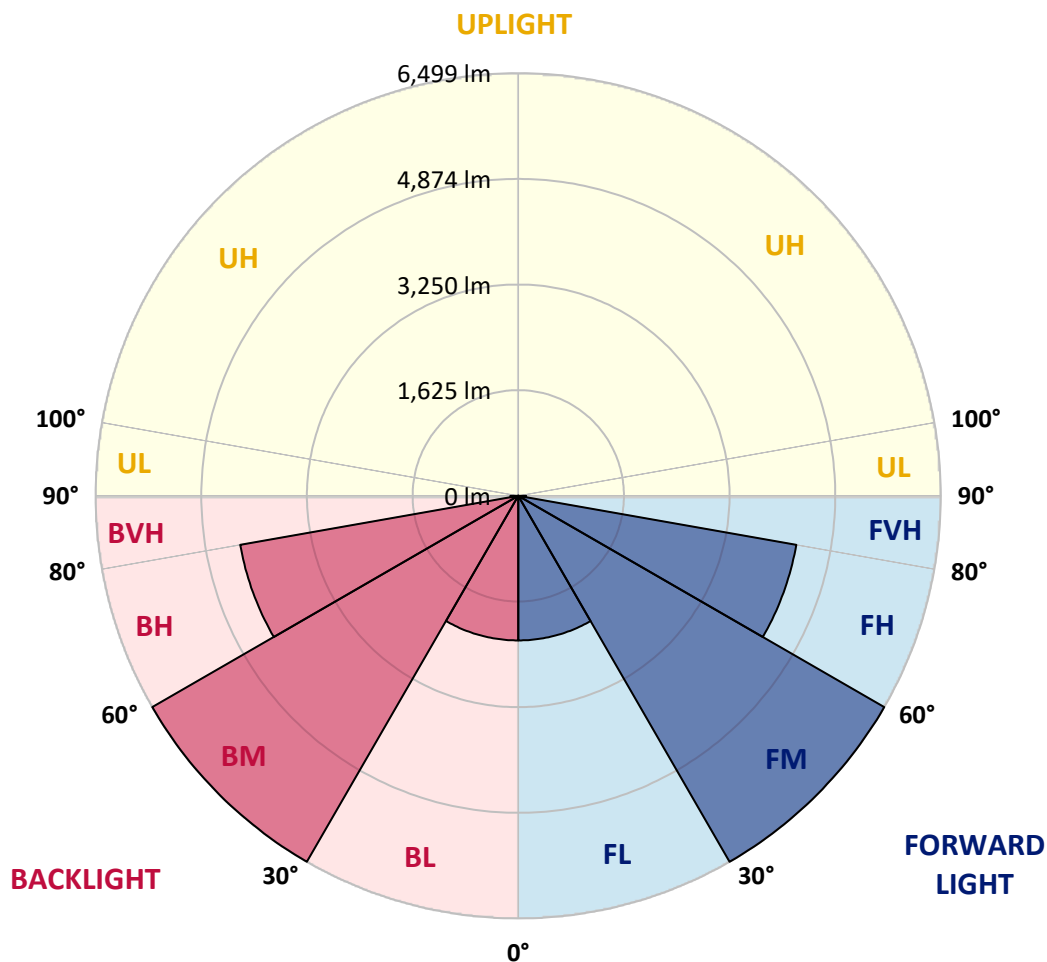


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2223.8	8.4			
FM (30°-60°)	6499.2	24.6			
FH (60°-80°)	4342.2	16.5			G2/5000
FVH (80°-90°)	121.7	0.5			G2/225
BL (0°-30°)	2223.8	8.4	B3/2500		
BM (30°-60°)	6499.2	24.6	B4/8500		
BH (60°-80°)	4342.2	16.5	B4/5000		G4/5000
BVH (80°-90°)	121.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0	4669.0
2.5°	4728.9	4726.0	4727.4	4726.0	4730.3	4727.4	4709.9	4695.3	4683.6	4685.1	4680.7
5°	4829.6	4831.1	4832.5	4825.2	4835.5	4829.6	4801.9	4778.5	4755.2	4746.4	4743.5
7.5°	4912.9	4920.1	4924.5	4931.9	4949.4	4949.4	4934.8	4901.2	4850.1	4820.9	4819.4
10°	4996.1	5002.0	5015.1	5038.4	5067.7	5095.5	5089.6	5044.3	4978.6	4928.9	4917.2
12.5°	5025.3	5032.7	5076.4	5143.6	5209.4	5263.4	5263.4	5226.8	5142.2	5066.2	5044.3
15°	4923.1	4936.3	5015.1	5158.2	5330.6	5448.8	5475.1	5424.0	5333.5	5216.7	5190.4
17.5°	4720.1	4752.3	4867.6	5079.4	5365.6	5611.0	5686.9	5662.1	5545.2	5396.3	5365.6
20°	4502.5	4537.6	4660.2	4940.7	5336.4	5705.9	5926.4	5932.2	5787.7	5571.5	5526.3
22.5°	4263.0	4289.3	4447.0	4775.6	5248.8	5727.8	6132.3	6233.1	6037.4	5746.8	5682.5
25°	3994.2	4023.4	4188.5	4543.4	5083.7	5703.0	6320.7	6542.7	6298.8	5933.7	5851.9
27.5°	3737.3	3748.9	3925.6	4286.4	4866.1	5638.7	6459.4	6827.5	6588.0	6088.5	5984.9
30°	3490.4	3518.2	3674.5	4030.8	4616.4	5513.1	6579.2	7151.7	6899.1	6250.6	6117.7
32.5°	3229.0	3262.6	3432.0	3792.7	4366.7	5324.7	6652.2	7506.6	7332.8	6513.5	6371.8
35°	2977.8	2999.8	3170.6	3521.1	4122.8	5105.6	6665.4	7906.7	7892.2	6912.2	6723.8
37.5°	2720.8	2752.9	2925.2	3261.1	3864.3	4873.5	6599.7	8331.7	8566.9	7465.7	7262.7
40°	2474.0	2501.7	2671.1	3009.9	3570.7	4590.1	6443.4	8720.2	9354.0	8035.3	7747.6
42.5°	2205.2	2212.5	2398.0	2742.7	3283.0	4261.6	6218.5	9066.4	10231.8	8799.0	8441.3
45°	1900.0	1919.0	2091.3	2430.1	2953.0	3893.5	5913.3	9352.5	11344.6	9857.9	9370.1
47.5°	1594.8	1610.9	1768.6	2103.0	2592.3	3471.4	5443.0	9603.7	12486.7	11202.9	10563.3
50°	1296.9	1305.7	1434.1	1730.6	2186.3	3027.5	4860.3	9684.1	13777.7	13107.3	12290.9
52.5°	1025.2	1038.3	1136.2	1368.4	1752.5	2503.2	4230.9	9485.5	15284.8	15365.1	14214.3
55°	831.0	835.4	908.4	1079.3	1369.9	1954.1	3471.4	8932.0	16905.9	18258.2	16790.5
57.5°	715.6	718.6	759.4	854.3	1054.5	1473.6	2693.1	7884.8	18361.9	21647.9	19761.0
60°	649.9	651.4	674.7	730.2	835.4	1130.3	1929.2	6406.9	19799.0	25420.2	23453.0
62.5°	609.0	609.0	625.1	655.8	706.8	867.5	1397.7	4622.3	20783.3	29247.9	28003.7
65°	569.6	569.6	581.2	603.1	630.9	709.8	1032.5	3014.3	20758.5	32035.9	32580.6
67.5°	524.3	524.3	533.1	555.0	571.0	610.4	797.4	1974.5	18646.8	31974.6	35078.0
70°	470.3	470.3	481.9	501.0	514.0	538.9	629.5	1350.9	13698.8	27301.2	31196.1
72.5°	416.2	417.7	425.0	444.0	454.2	468.8	522.8	946.3	8403.3	18589.8	21812.9
75°	356.3	359.2	366.6	385.5	394.3	400.2	441.1	674.7	4251.3	10022.9	11411.8
77.5°	287.7	293.5	297.9	318.4	324.2	333.0	363.6	487.8	1866.4	3601.4	3633.5
80°	210.3	217.6	230.8	249.7	254.1	260.0	277.5	346.1	845.6	1644.5	1786.1
82.5°	154.8	165.1	148.9	173.8	173.8	166.5	195.7	232.2	388.4	1628.4	1948.2
85°	84.7	86.1	77.4	89.1	94.9	93.5	103.7	113.9	188.4	1086.6	1120.2
87.5°	20.4	21.9	23.3	27.7	33.6	33.6	36.5	32.1	61.3	352.0	201.5
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)