

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: P455252

Luminaire Tested: **GALN-SA6B-830-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455252
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-830-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26766 lumens
Efficiency: N/A
Efficacy: 110.1 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



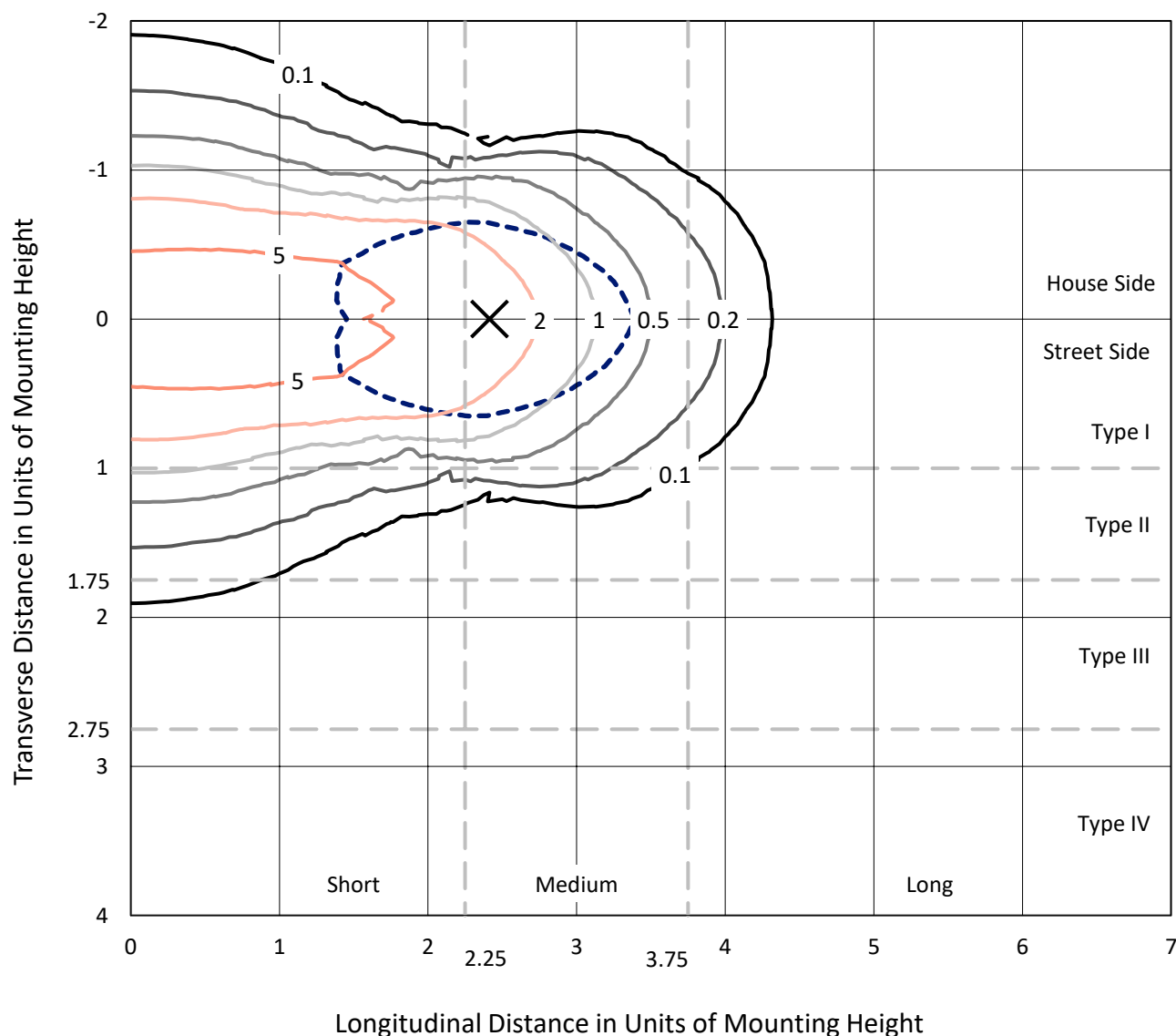
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

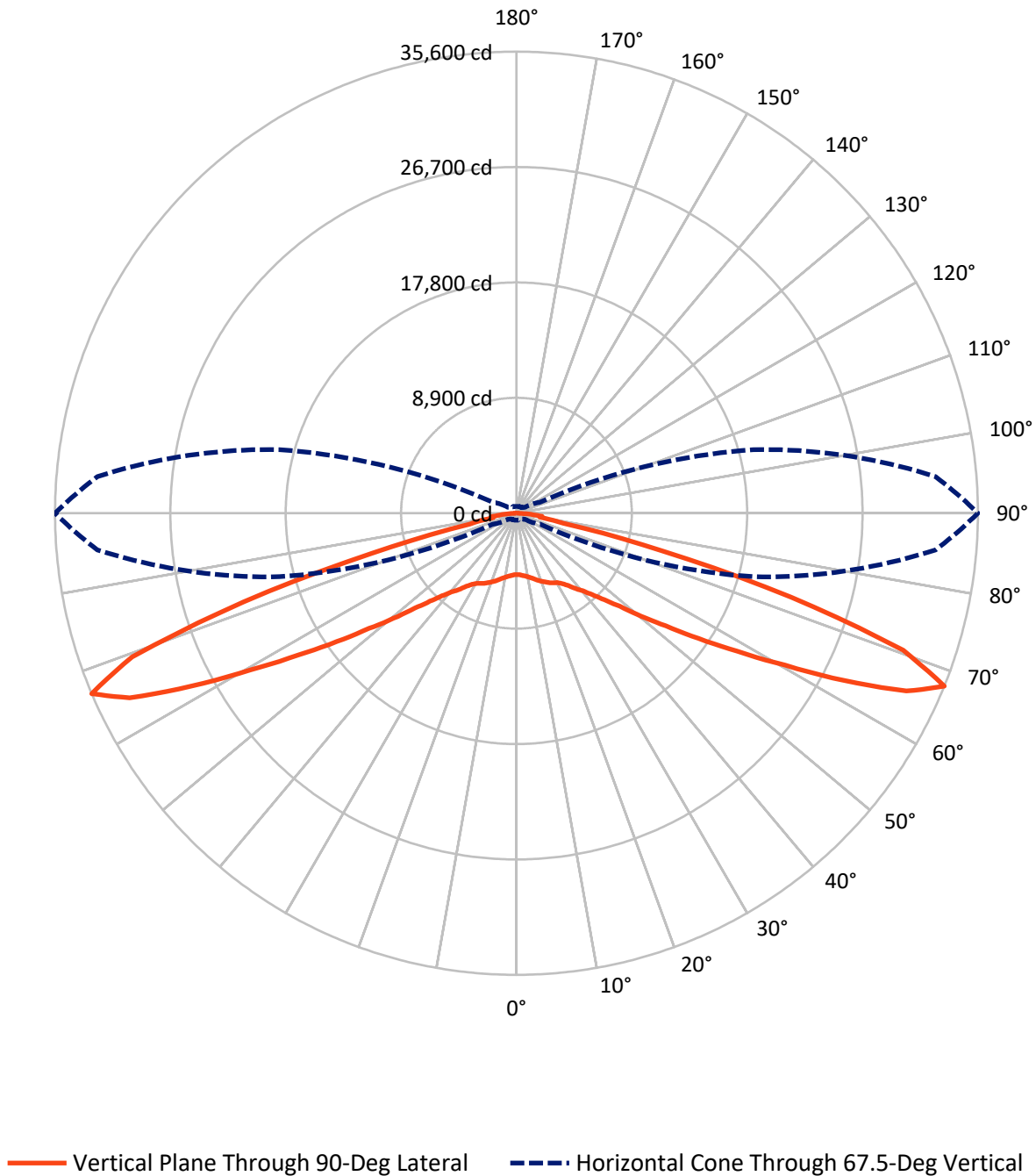


Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13383.0	0.0	13383.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13383.0	0.0	13383.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26766.0	0.0	26766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.4	1.8
10°-20°	1511.5	5.6
20°-30°	2529.8	9.5
30°-40°	3427.3	12.8
40°-50°	4341.2	16.2
50°-60°	5423.3	20.3
60°-70°	6374.8	23.8
70°-80°	2438.7	9.1
80°-90°	247.1	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°	26766.0	100.0
0°-180°	26766.0	100.0

Coefficient of Utilization



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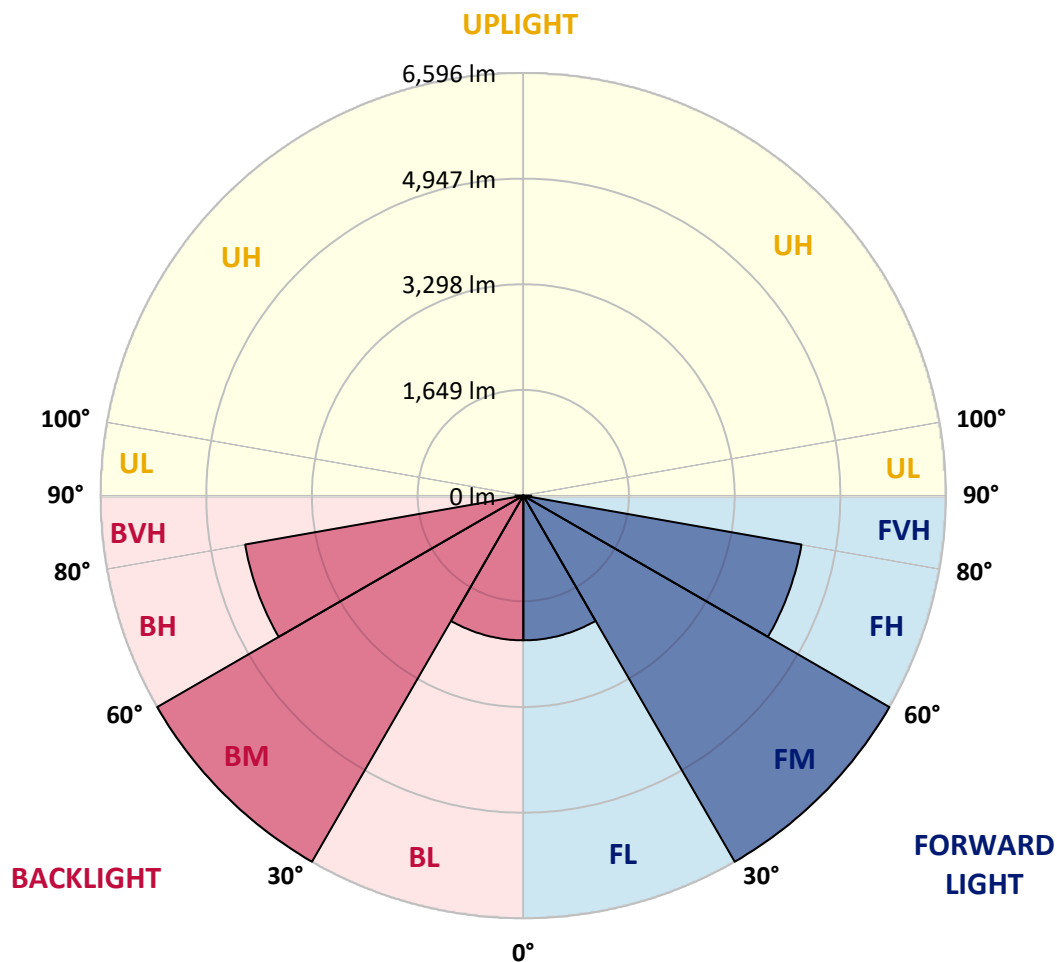
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2256.9	8.4			
FM	(30°-60°)	6595.9	24.6			
FH	(60°-80°)	4406.7	16.5			G2/5000
FVH	(80°-90°)	123.5	0.5			G2/225
BL	(0°-30°)	2256.9	8.4	B3/2500		
BM	(30°-60°)	6595.9	24.6	B4/8500		
BH	(60°-80°)	4406.7	16.5	B4/5000		G4/5000
BVH	(80°-90°)	123.5	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°	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4	4738.4
2.5°	4799.2	4796.2	4797.7	4796.2	4800.7	4797.7	4779.9	4765.1	4753.2	4754.7	4750.3
5°	4901.5	4902.9	4904.4	4897.0	4907.4	4901.5	4873.3	4849.6	4825.9	4817.0	4814.0
7.5°	4985.9	4993.3	4997.8	5005.2	5023.0	5023.0	5008.2	4974.1	4922.2	4892.6	4891.1
10°	5070.4	5076.3	5089.7	5113.4	5143.0	5171.2	5165.3	5119.3	5052.6	5002.2	4990.4
12.5°	5100.1	5107.5	5151.9	5220.1	5286.8	5341.6	5341.6	5304.6	5218.6	5141.6	5119.3
15°	4996.3	5009.6	5089.7	5234.9	5409.8	5529.9	5556.6	5504.7	5412.8	5294.2	5267.5
17.5°	4790.3	4822.9	4940.0	5154.9	5445.4	5694.4	5771.5	5746.3	5627.7	5476.5	5445.4
20°	4569.5	4605.0	4729.5	5014.1	5415.8	5790.7	6014.5	6020.5	5873.7	5654.4	5608.4
22.5°	4326.4	4353.1	4513.1	4846.6	5326.8	5813.0	6223.5	6325.8	6127.2	5832.2	5767.0
25°	4053.7	4083.3	4250.8	4611.0	5159.3	5787.8	6414.7	6640.0	6392.5	6022.0	5939.0
27.5°	3792.8	3804.7	3984.0	4350.1	4938.5	5722.6	6555.5	6929.0	6686.0	6179.1	6073.8
30°	3542.3	3570.5	3729.1	4090.7	4685.1	5595.1	6677.1	7258.1	7001.6	6343.6	6208.7
32.5°	3277.0	3311.1	3483.0	3849.1	4431.6	5403.9	6751.2	7618.2	7441.8	6610.4	6466.6
35°	3022.1	3044.3	3217.7	3573.4	4184.1	5181.6	6764.5	8024.3	8009.5	7015.0	6823.8
37.5°	2761.2	2793.8	2968.7	3309.6	3921.8	4945.9	6697.8	8455.6	8694.3	7576.7	7370.7
40°	2510.8	2538.9	2710.8	3054.7	3623.8	4658.4	6539.2	8849.9	9493.1	8154.8	7862.8
42.5°	2238.0	2245.4	2433.7	2783.5	3331.9	4324.9	6311.0	9201.2	10383.9	8929.9	8566.8
45°	1928.3	1947.5	2122.4	2466.3	2996.9	3951.4	6001.2	9491.7	11513.3	10004.5	9509.4
47.5°	1618.5	1634.8	1794.9	2134.3	2630.8	3523.1	5524.0	9746.6	12672.3	11369.5	10720.3
50°	1316.1	1325.0	1455.5	1756.3	2218.8	3072.5	4932.6	9828.1	13982.5	13302.2	12473.7
52.5°	1040.5	1053.8	1153.1	1388.8	1778.6	2540.4	4293.8	9626.5	15512.1	15593.6	14425.7
55°	843.3	847.8	921.9	1095.3	1390.3	1983.1	3523.1	9064.8	17157.3	18529.8	17040.2
57.5°	726.3	729.2	770.7	867.1	1070.1	1495.5	2733.1	8002.1	18635.0	21969.8	20054.9
60°	659.6	661.0	684.8	741.1	847.8	1147.2	1957.9	6502.2	20093.4	25798.2	23801.8
62.5°	618.1	618.1	634.4	665.5	717.4	880.4	1418.4	4691.0	21092.4	29682.9	28420.1
65°	578.0	578.0	589.9	612.1	640.3	720.3	1047.9	3059.1	21067.2	32512.3	33065.2
67.5°	532.1	532.1	541.0	563.2	579.5	619.5	809.3	2003.9	18924.0	32450.1	35599.6
70°	477.3	477.3	489.1	508.4	521.7	546.9	638.8	1371.0	13902.5	27707.2	31660.1
72.5°	422.4	423.9	431.3	450.6	460.9	475.8	530.6	960.4	8528.3	18866.2	22137.3
75°	361.6	364.6	372.0	391.3	400.2	406.1	447.6	684.8	4314.5	10172.0	11581.5
77.5°	292.0	297.9	302.4	323.1	329.0	337.9	369.1	495.0	1894.2	3655.0	3687.6
80°	213.4	220.8	234.2	253.4	257.9	263.8	281.6	351.3	858.2	1668.9	1812.7
82.5°	157.1	167.5	151.2	176.4	176.4	169.0	198.6	235.7	394.3	1652.6	1977.2
85°	86.0	87.4	78.6	90.4	96.3	94.9	105.2	115.6	191.2	1102.7	1136.8
87.5°	20.8	22.2	23.7	28.2	34.1	34.1	37.1	32.6	62.3	357.2	204.5
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)