

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: P531138

Luminaire Tested: **GALN-SA6B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22748 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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



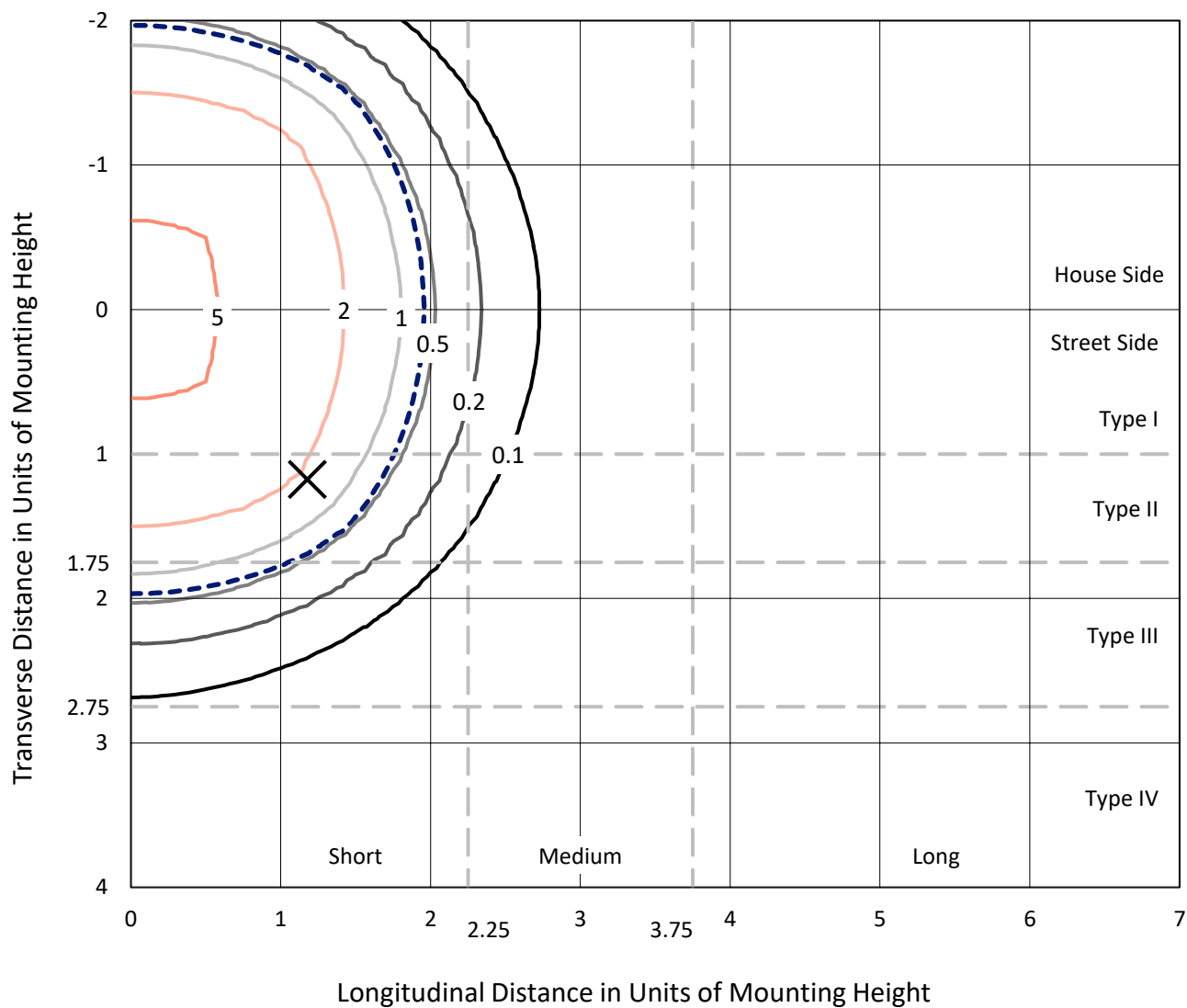
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



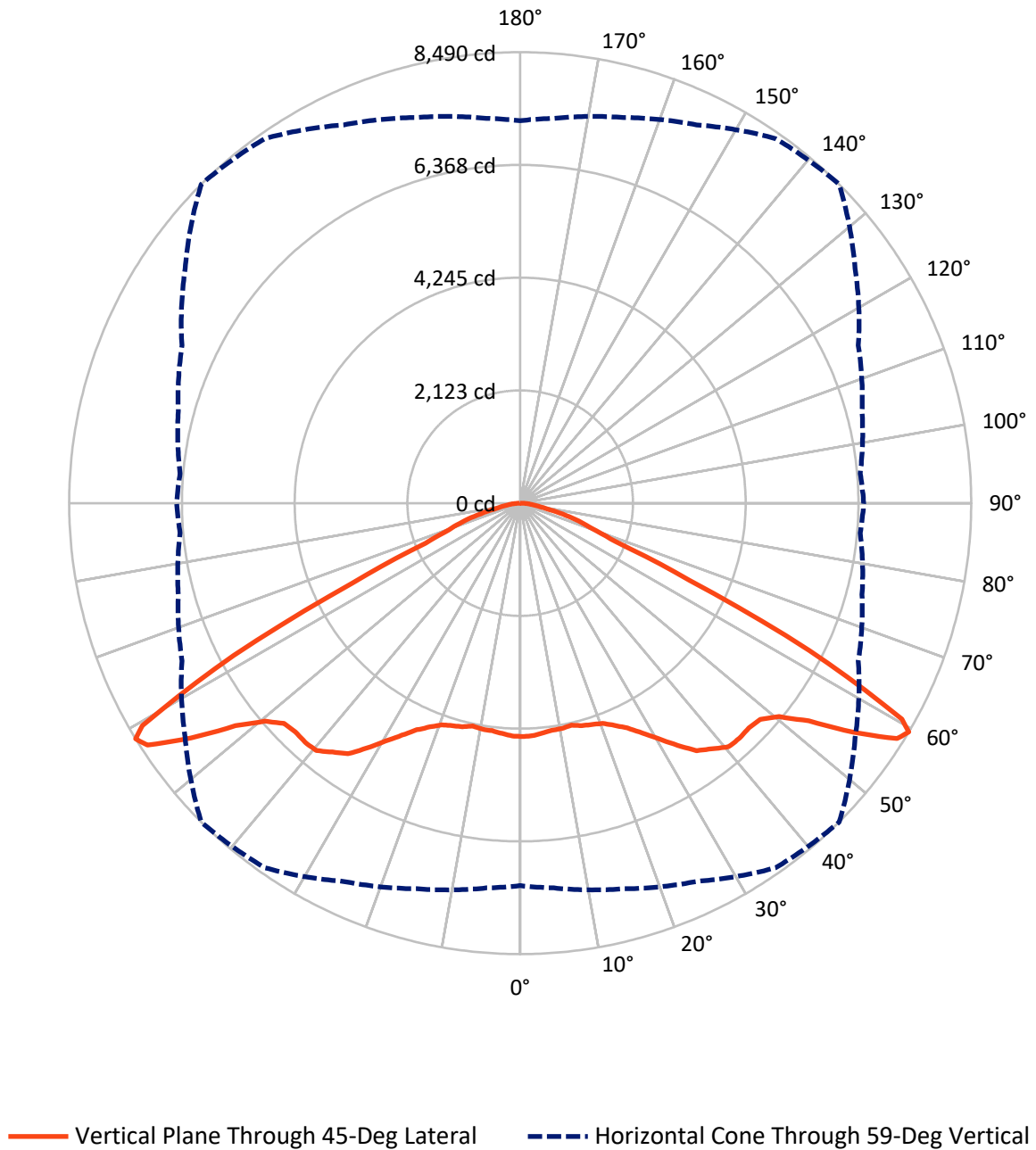
Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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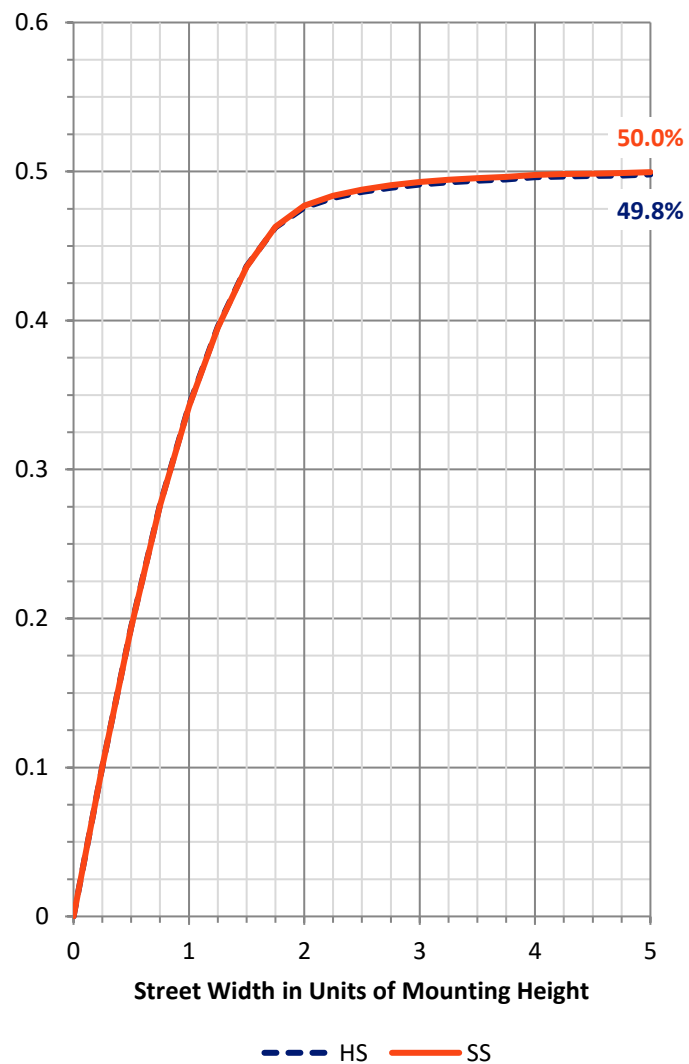
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11374.0	0.0	11374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11374.0	0.0	11374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22748.0	0.0	22748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.2	1.8
10°-20°	1231.7	5.4
20°-30°	2150.8	9.5
30°-40°	3435.1	15.1
40°-50°	4679.3	20.6
50°-60°	6327.6	27.8
60°-70°	3470.1	15.3
70°-80°	887.8	3.9
80°-90°	151.4	0.7
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°	22748.0	100.0
0°-180°	22748.0	100.0

Coefficient of Utilization



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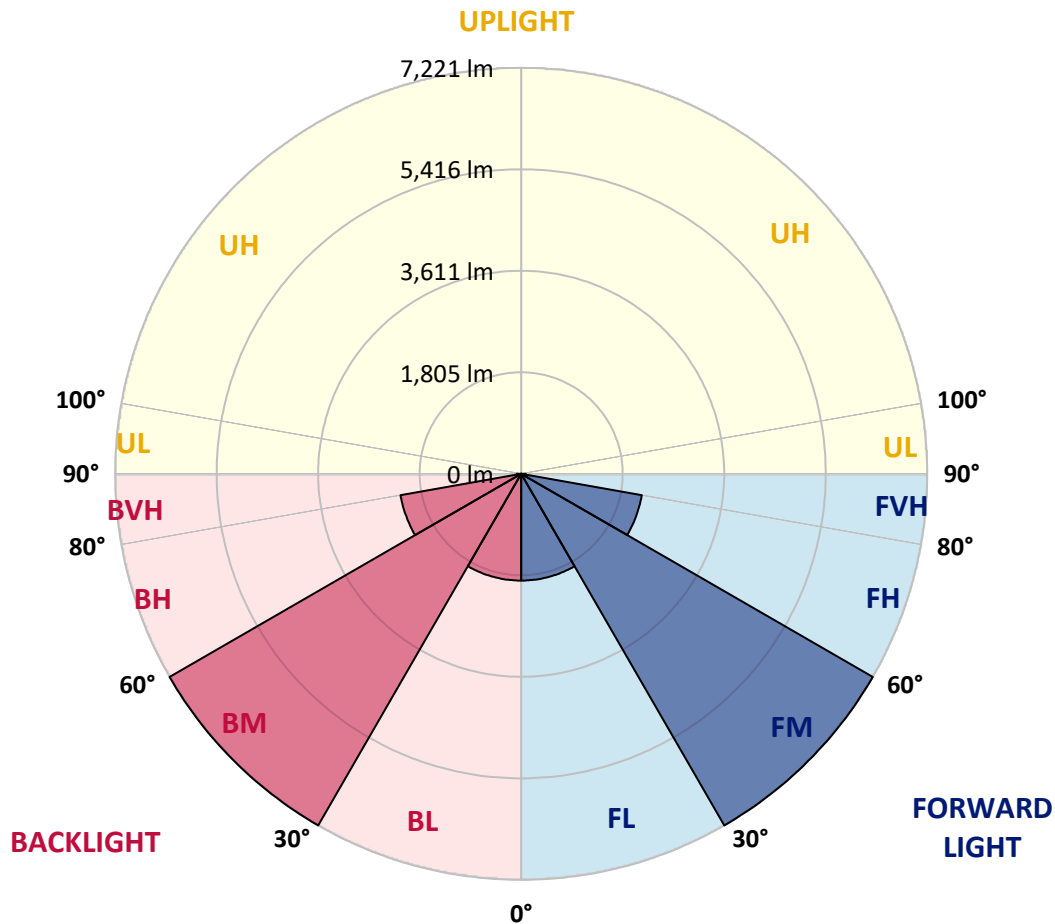
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1898.4	8.3			
FM	(30°-60°)	7221.0	31.7			
FH	(60°-80°)	2178.9	9.6			G2/5000
FVH	(80°-90°)	75.7	0.3			G1/100
BL	(0°-30°)	1898.4	8.3	B3/2500		
BM	(30°-60°)	7221.0	31.7	B4/8500		
BH	(60°-80°)	2178.9	9.6	B3/2500		G2/5000
BVH	(80°-90°)	75.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8	4393.8
2.5°	4367.6	4399.7	4376.3	4396.7	4393.8	4385.1	4370.5	4361.8	4350.1	4367.6	4338.4
5°	4350.1	4376.3	4402.6	4367.6	4367.6	4350.1	4341.3	4323.9	4323.9	4320.9	4318.0
7.5°	4379.2	4353.0	4341.3	4347.2	4353.0	4315.1	4341.3	4306.4	4277.2	4297.6	4320.9
10°	4353.0	4364.7	4320.9	4341.3	4309.3	4315.1	4297.6	4320.9	4288.9	4288.9	4288.9
12.5°	4379.2	4347.2	4361.8	4347.2	4338.4	4288.9	4312.2	4285.9	4283.0	4312.2	4285.9
15°	4431.7	4379.2	4367.6	4338.4	4347.2	4347.2	4323.9	4326.8	4294.7	4312.2	4318.0
17.5°	4414.2	4385.1	4376.3	4341.3	4370.5	4379.2	4335.5	4306.4	4326.8	4323.9	4320.9
20°	4428.8	4440.5	4431.7	4437.6	4449.2	4425.9	4385.1	4344.3	4318.0	4355.9	4353.0
22.5°	4522.1	4510.5	4504.6	4498.8	4519.2	4542.5	4487.1	4423.0	4423.0	4449.2	4460.9
25°	4597.9	4595.0	4592.1	4618.3	4688.3	4688.3	4618.3	4536.7	4516.3	4533.8	4519.2
27.5°	4708.7	4740.8	4729.1	4775.8	4877.8	4901.1	4807.8	4711.6	4656.2	4635.8	4662.1
30°	4962.4	4924.5	4933.2	4982.8	5073.2	5149.0	5006.1	4904.1	4828.3	4825.3	4837.0
32.5°	5131.5	5160.6	5186.9	5233.5	5376.4	5434.7	5262.7	5096.5	5049.8	5023.6	5032.3
35°	5469.7	5443.4	5437.6	5484.3	5627.1	5723.3	5507.6	5361.8	5300.6	5358.9	5358.9
37.5°	5790.4	5717.5	5662.1	5723.3	5854.5	5866.2	5682.5	5603.8	5571.7	5638.8	5635.9
40°	5942.0	5936.2	5807.9	5842.9	6017.8	6035.3	5863.3	5770.0	5764.2	5851.6	5939.1
42.5°	6099.5	6044.1	5915.8	5939.1	6047.0	6052.8	5889.5	5863.3	5927.4	6012.0	6017.8
45°	6125.7	6079.0	5997.4	5939.1	6017.8	6035.3	5939.1	5956.6	5962.4	6064.5	6064.5
47.5°	6178.2	6172.3	6125.7	6082.0	6096.5	6082.0	6020.7	6047.0	6134.4	6184.0	6160.7
50°	6324.0	6262.7	6309.4	6271.5	6274.4	6315.2	6259.8	6286.1	6268.6	6224.8	6195.7
52.5°	6644.7	6615.5	6656.3	6682.6	6711.7	6805.0	6740.9	6600.9	6469.7	6353.1	6350.2
55°	7114.1	7134.5	7213.2	7347.3	7461.0	7609.7	7300.7	6965.4	6755.5	6571.8	6583.4
57.5°	7557.3	7542.7	7650.6	7956.7	8289.1	8364.9	7758.4	7280.3	6939.2	6822.5	6773.0
59°	7201.6	7271.5	7516.4	7857.6	8379.5	8490.3	7697.2	7023.7	6662.2	6426.0	6466.8
60°	6641.8	6668.0	6886.7	7361.9	8067.5	8257.0	7286.1	6627.2	6146.1	6009.1	6070.3
62.5°	4694.1	4673.7	4831.2	5218.9	5851.6	6108.2	5417.2	4953.6	4650.4	4498.8	4533.8
65°	2495.8	2589.1	2653.2	2895.2	3230.5	3501.6	3215.9	3014.7	2845.6	2720.3	2717.3
67.5°	1685.2	1673.6	1688.1	1743.5	1857.2	1933.1	1927.2	1825.2	1810.6	1787.3	1813.5
70°	1419.9	1414.1	1387.8	1387.8	1411.2	1428.6	1449.1	1460.7	1484.0	1513.2	1510.3
72.5°	1151.7	1137.1	1119.6	1110.8	1140.0	1148.8	1175.0	1186.7	1207.1	1204.1	1230.4
75°	761.0	761.0	781.4	804.7	813.5	830.9	833.9	868.9	868.9	874.7	851.4
77.5°	425.7	414.0	428.6	451.9	472.3	504.4	536.5	562.7	577.3	571.5	571.5
80°	247.8	247.8	262.4	288.6	314.9	344.0	367.4	387.8	402.4	396.5	384.9
82.5°	154.5	154.5	169.1	195.3	215.8	233.2	265.3	291.6	309.1	303.2	288.6
85°	78.7	78.7	96.2	113.7	139.9	151.6	148.7	137.0	134.1	119.5	119.5
87.5°	20.4	20.4	29.2	32.1	26.2	29.2	29.2	29.2	29.2	29.2	32.1
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)