

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: P531134

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23667 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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



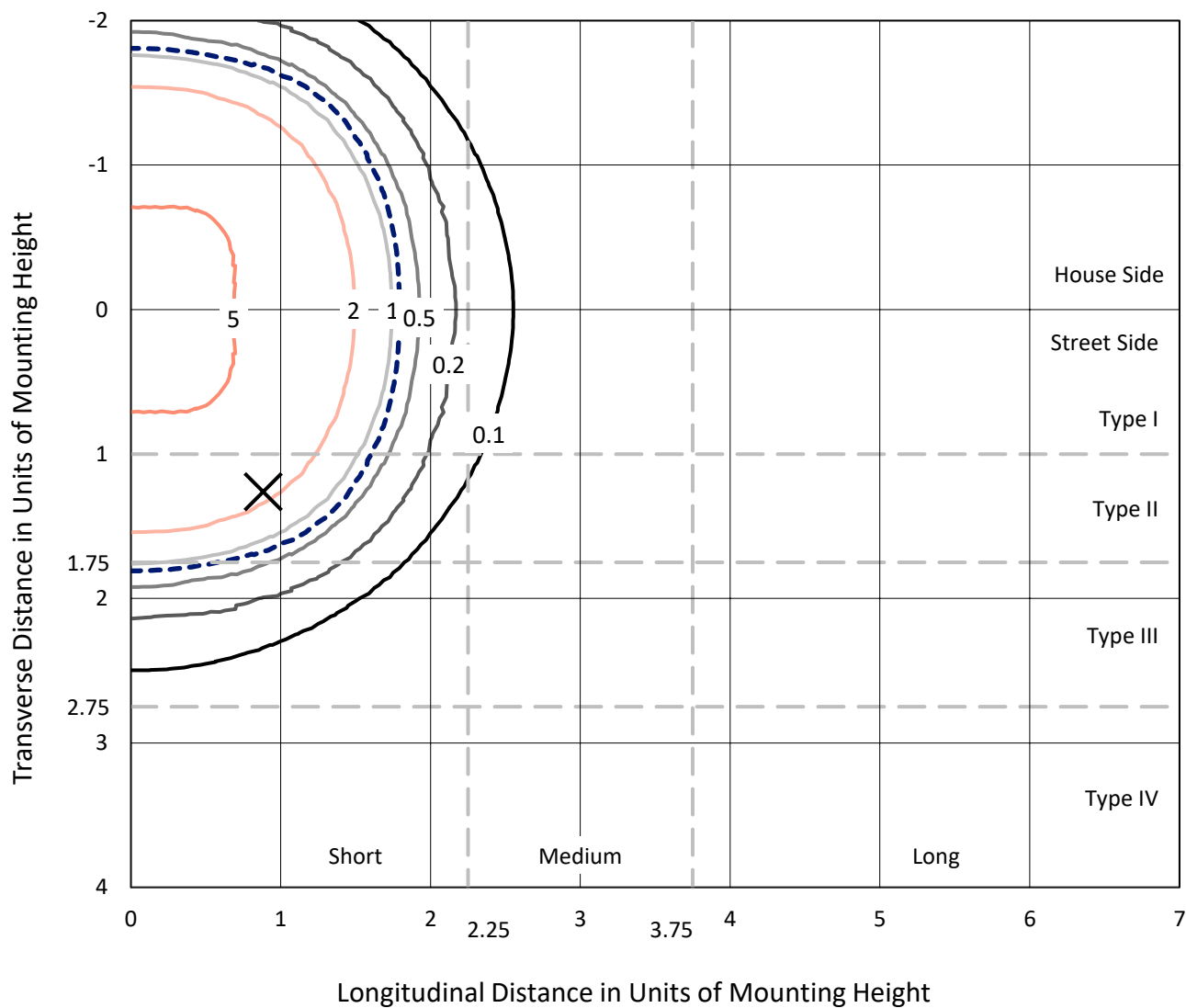
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

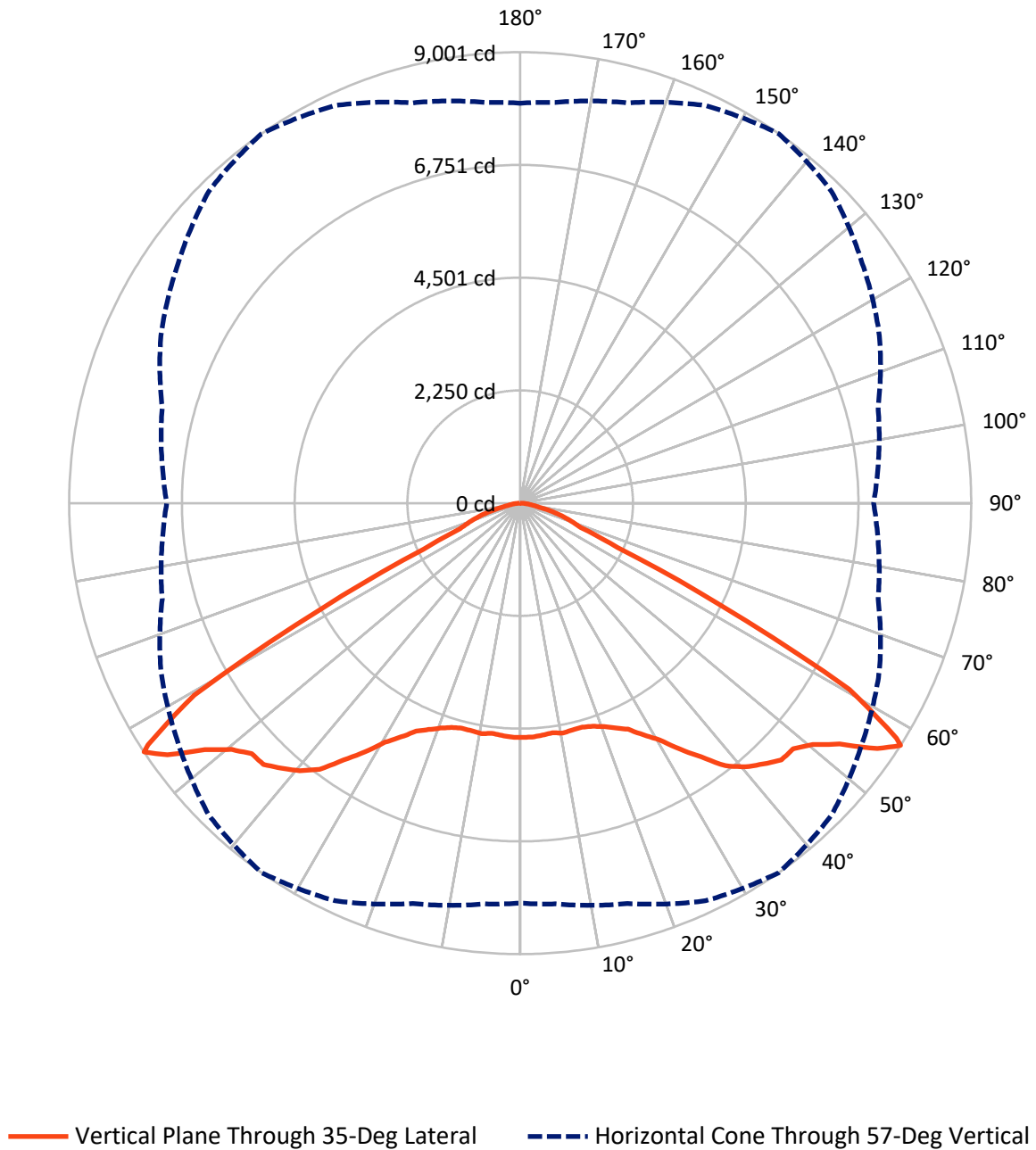


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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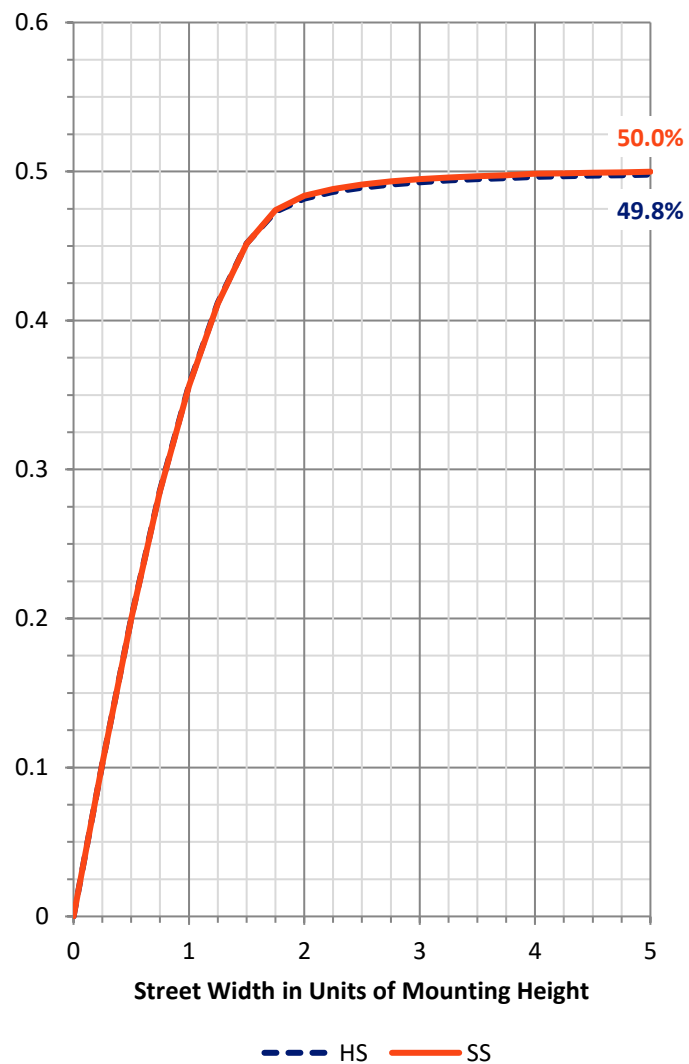
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11833.5	0.0	11833.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11833.5	0.0	11833.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23667.0	0.0	23667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.1	1.9
10°-20°	1312.4	5.5
20°-30°	2292.1	9.7
30°-40°	3755.6	15.9
40°-50°	5506.6	23.3
50°-60°	6936.0	29.3
60°-70°	2608.6	11.0
70°-80°	693.6	2.9
80°-90°	118.9	0.5
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°	23667.0	100.0
0°-180°	23667.0	100.0

Coefficient of Utilization



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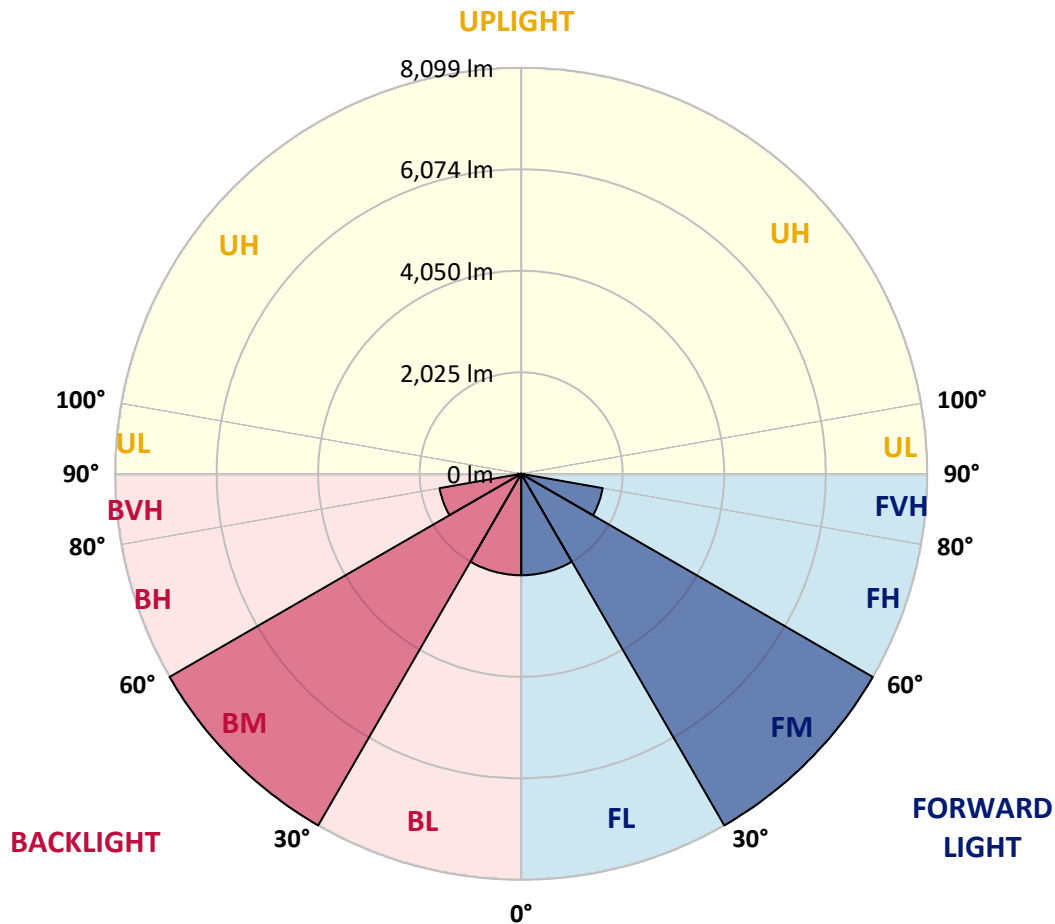
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2023.8	8.6			
FM	(30°-60°)	8099.2	34.2			
FH	(60°-80°)	1651.1	7.0			G1/1800
FVH	(80°-90°)	59.5	0.3			G1/100
BL	(0°-30°)	2023.8	8.6	B3/2500		
BM	(30°-60°)	8099.2	34.2	B4/8500		
BH	(60°-80°)	1651.1	7.0	B3/2500		G1/1800
BVH	(80°-90°)	59.5	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1	4674.1
2.5°	4650.7	4697.4	4677.0	4665.3	4674.1	4659.5	4636.2	4662.4	4656.6	4633.2	4624.5
5°	4639.1	4674.1	4650.7	4674.1	4650.7	4691.6	4679.9	4636.2	4688.6	4639.1	4656.6
7.5°	4630.3	4642.0	4647.8	4636.2	4627.4	4677.0	4650.7	4630.3	4601.2	4592.4	4607.0
10°	4609.9	4639.1	4595.3	4653.6	4665.3	4630.3	4630.3	4592.4	4569.1	4554.5	4604.1
12.5°	4662.4	4612.8	4607.0	4636.2	4644.9	4659.5	4618.7	4598.2	4554.5	4560.3	4551.6
15°	4601.2	4621.6	4624.5	4630.3	4639.1	4674.1	4636.2	4592.4	4574.9	4513.7	4519.5
17.5°	4624.5	4604.1	4624.5	4691.6	4679.9	4706.1	4665.3	4598.2	4557.4	4522.4	4569.1
20°	4665.3	4656.6	4665.3	4747.0	4761.5	4784.9	4749.9	4688.6	4609.9	4569.1	4592.4
22.5°	4709.0	4703.2	4709.0	4787.8	4872.3	4901.5	4866.5	4723.6	4682.8	4607.0	4580.8
25°	4787.8	4793.6	4854.8	4942.3	4997.7	5053.1	4989.0	4886.9	4755.7	4709.0	4653.6
27.5°	4962.7	4977.3	5012.3	5140.6	5236.8	5286.4	5196.0	5056.0	4974.4	4878.2	4863.6
30°	5178.5	5178.5	5239.7	5350.5	5481.7	5557.6	5446.8	5280.5	5181.4	5128.9	5096.9
32.5°	5464.2	5432.2	5455.5	5650.9	5855.0	5919.1	5770.4	5566.3	5408.8	5338.9	5315.5
35°	5709.2	5729.6	5782.1	5992.0	6219.4	6368.1	6134.9	5869.5	5709.2	5645.0	5633.4
37.5°	6027.0	6062.0	6088.2	6376.9	6651.0	6706.4	6481.9	6269.0	6073.7	6021.2	5992.0
40°	6476.0	6452.7	6461.5	6674.3	6922.2	6957.1	6735.5	6583.9	6423.5	6391.5	6391.5
42.5°	6846.3	6820.1	6849.3	6928.0	7117.5	7091.3	6968.8	6858.0	6790.9	6756.0	6790.9
45°	7070.9	7065.0	7117.5	7175.8	7310.0	7222.5	7126.3	7143.8	7079.6	7021.3	7018.4
47.5°	7315.8	7277.9	7342.0	7429.5	7327.5	7286.6	7280.8	7318.7	7298.3	7196.2	7164.2
50°	7435.3	7420.8	7522.8	7624.9	7569.5	7476.2	7496.6	7557.8	7295.4	7158.3	7079.6
52.5°	7756.1	7759.0	7954.4	8009.8	7986.4	7849.4	7893.1	7726.9	7417.8	7225.4	7234.1
55°	8260.5	8240.1	8458.8	8622.1	8648.3	8473.4	8263.4	8030.2	7642.4	7447.0	7388.7
57°	7983.5	8030.2	8272.2	8756.2	9001.1	8794.1	8336.3	7910.6	7394.5	7158.3	7053.4
57.5°	7613.2	7689.0	8108.9	8595.8	8852.4	8834.9	8245.9	7689.0	7228.3	6860.9	6869.7
60°	5578.0	5592.5	5971.6	6744.3	7546.1	7563.6	6846.3	6108.6	5595.5	5196.0	5251.4
62.5°	2942.1	3009.1	3160.7	3781.8	4475.8	4644.9	4210.4	3831.4	3388.2	3084.9	3114.1
65°	1557.0	1548.3	1621.2	1796.1	2137.3	2224.8	2166.5	1866.1	1711.6	1662.0	1664.9
67.5°	1265.5	1280.0	1271.3	1280.0	1303.4	1341.3	1332.5	1344.2	1352.9	1367.5	1364.6
70°	1073.0	1073.0	1078.9	1081.8	1081.8	1099.3	1119.7	1157.6	1160.5	1175.1	1180.9
72.5°	845.6	839.8	848.5	868.9	871.8	886.4	915.6	938.9	947.6	947.6	930.1
75°	574.4	580.2	591.9	609.4	626.9	653.1	676.5	691.0	696.9	688.1	679.4
77.5°	323.7	329.5	338.2	364.5	384.9	408.2	434.5	449.0	463.6	466.5	449.0
80°	192.4	192.4	207.0	227.4	250.8	274.1	297.4	314.9	320.7	320.7	312.0
82.5°	116.6	119.5	131.2	151.6	172.0	186.6	207.0	221.6	233.3	230.3	224.5
85°	61.2	61.2	72.9	90.4	105.0	119.5	119.5	110.8	105.0	90.4	84.6
87.5°	20.4	17.5	23.3	23.3	20.4	23.3	23.3	26.2	26.2	26.2	26.2
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)