

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: P532774

Luminaire Tested: **GALN-SA8A-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26432 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244
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



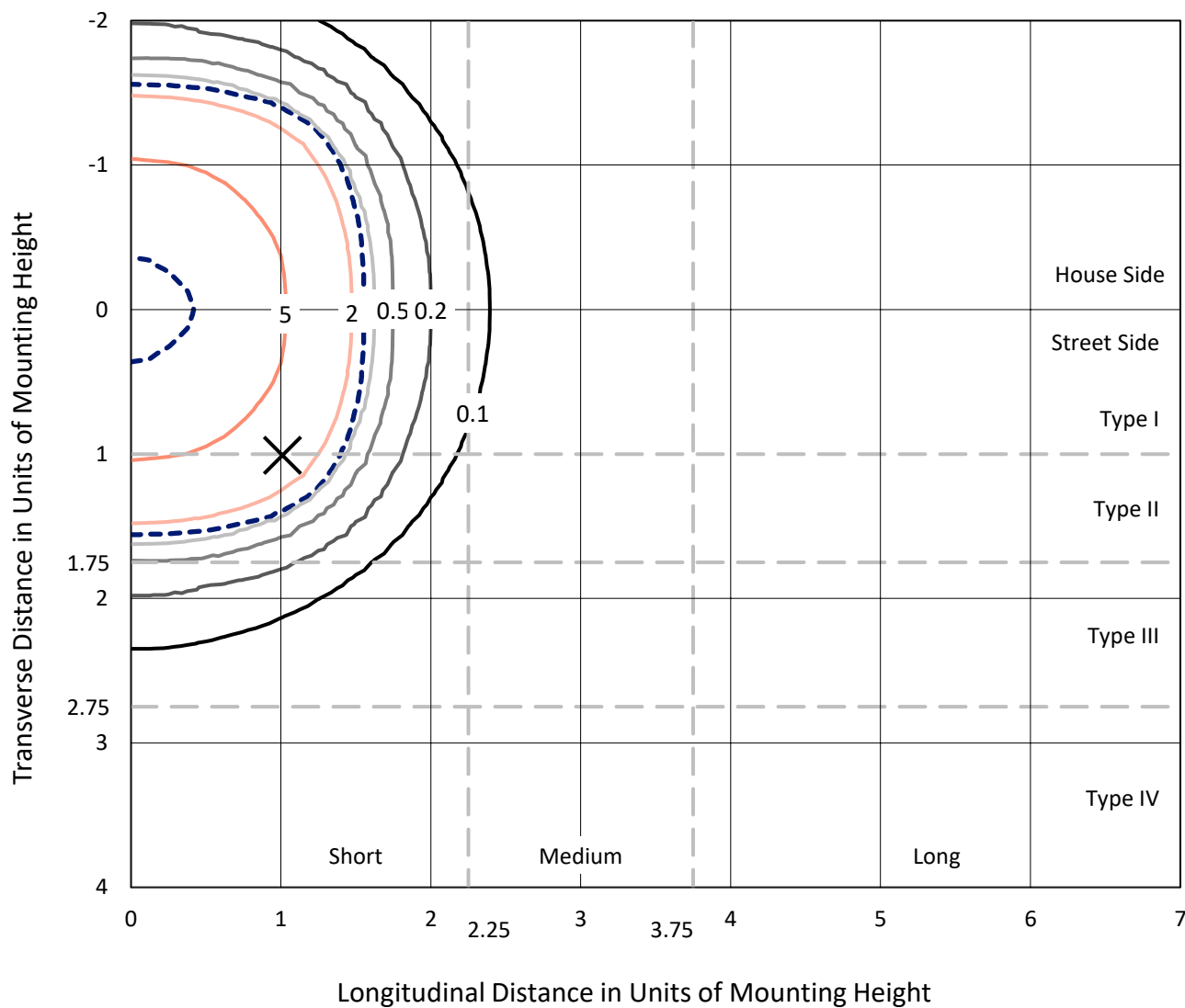
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



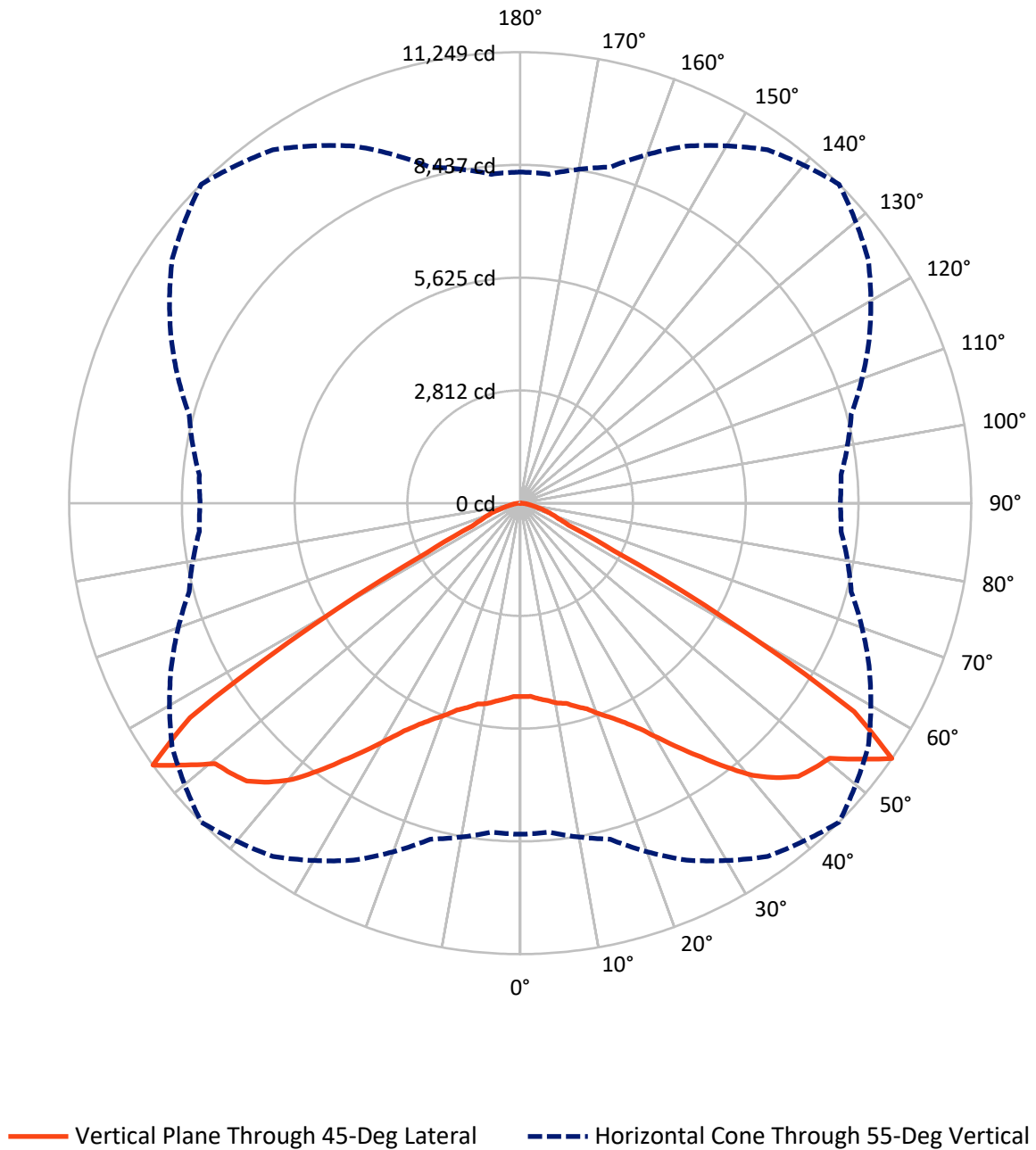
Based on 25 foot mounting height. Maximum calculated value = 7.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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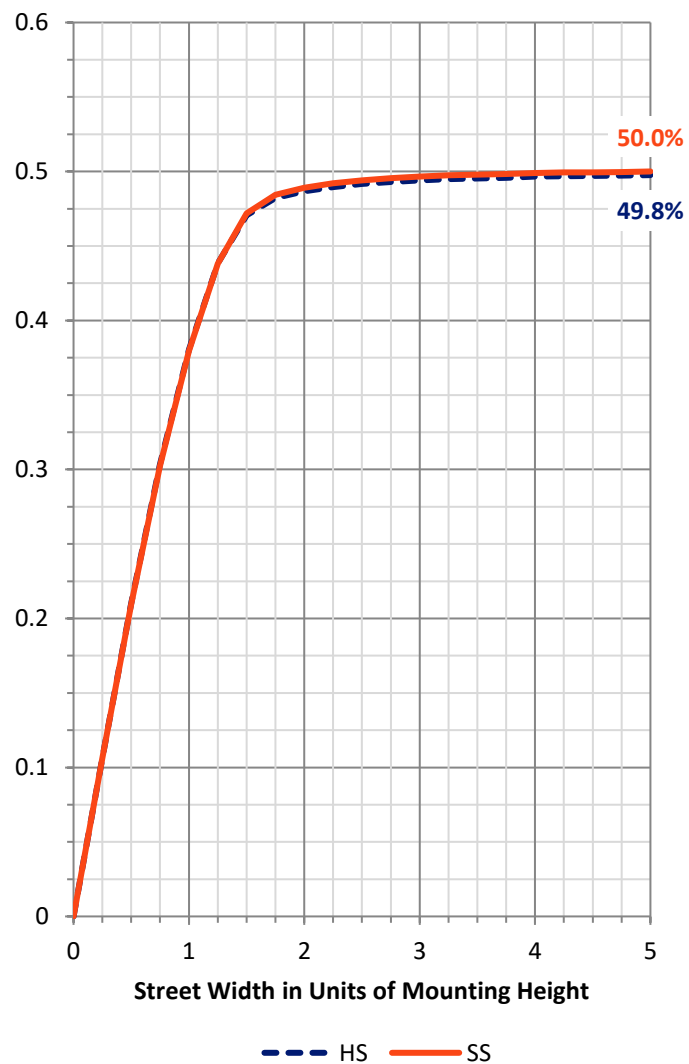
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13216.0	0.0	13216.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13216.0	0.0	13216.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26432.0	0.0	26432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.5	1.8
10°-20°	1493.8	5.7
20°-30°	2785.5	10.5
30°-40°	4663.9	17.6
40°-50°	7257.4	27.5
50°-60°	7535.4	28.5
60°-70°	1598.0	6.0
70°-80°	526.3	2.0
80°-90°	100.2	0.4
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°	26432.0	100.0
0°-180°	26432.0	100.0

Coefficient of Utilization



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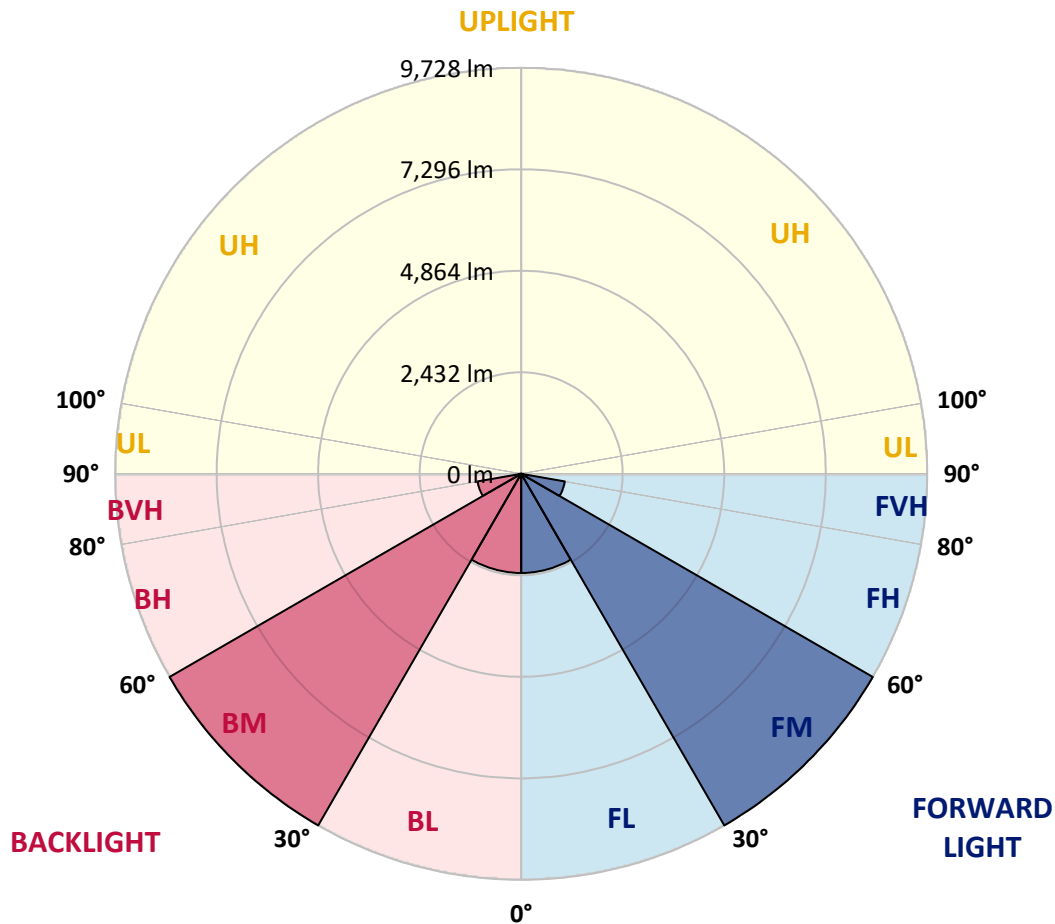
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2375.4	9.0			
FM	(30°-60°)	9728.3	36.8			
FH	(60°-80°)	1062.1	4.0			G1/1800
FVH	(80°-90°)	50.1	0.2			G1/100
BL	(0°-30°)	2375.4	9.0	B3/2500		
BM	(30°-60°)	9728.3	36.8	B5		
BH	(60°-80°)	1062.1	4.0	B3/2500		G1/1800
BVH	(80°-90°)	50.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1	4826.1
2.5°	4883.6	4861.2	4822.9	4851.6	4874.0	4826.1	4845.3	4854.8	4848.4	4822.9	4832.5
5°	4953.8	4941.1	4909.1	4931.5	4902.7	4902.7	4883.6	4858.0	4896.4	4890.0	4905.9
7.5°	4953.8	4937.9	5001.8	4960.2	4973.0	4973.0	4941.1	4915.5	4934.7	4905.9	4890.0
10°	5052.9	5075.2	5046.5	5056.1	5049.7	5072.0	5024.1	5008.1	4992.2	4982.6	4963.4
12.5°	5171.0	5155.1	5164.6	5158.3	5180.6	5123.1	5094.4	5059.2	5088.0	5046.5	5075.2
15°	5266.9	5257.3	5266.9	5292.4	5270.1	5266.9	5215.8	5180.6	5135.9	5145.5	5100.8
17.5°	5397.8	5388.2	5391.4	5413.8	5410.6	5394.6	5356.3	5289.2	5273.2	5247.7	5218.9
20°	5592.6	5576.7	5570.3	5579.9	5595.8	5608.6	5532.0	5506.4	5452.1	5410.6	5362.7
22.5°	5758.7	5752.3	5777.9	5736.4	5771.5	5809.8	5736.4	5723.6	5589.4	5567.1	5516.0
25°	5988.7	5979.1	5963.1	6023.8	6065.3	6062.2	5991.9	5921.6	5819.4	5793.9	5793.9
27.5°	6231.4	6177.1	6260.2	6276.2	6349.6	6372.0	6311.3	6209.1	6113.3	6059.0	6071.7
30°	6534.9	6483.8	6502.9	6617.9	6713.7	6796.8	6643.5	6493.3	6359.2	6263.4	6247.4
32.5°	6838.3	6787.2	6844.7	6956.5	7148.1	7272.7	7122.6	6860.6	6704.1	6563.6	6592.4
35°	7084.2	7122.6	7215.2	7384.5	7582.5	7783.7	7544.2	7342.9	7119.4	6962.9	6985.2
37.5°	7480.3	7598.5	7671.9	7866.7	8147.8	8355.4	8106.3	7844.4	7604.8	7400.4	7330.2
40°	7997.7	8077.6	8160.6	8390.6	8722.7	8930.3	8694.0	8352.2	8115.9	7905.1	7895.5
42.5°	8566.2	8642.9	8729.1	9010.2	9208.2	9364.7	9147.5	8965.5	8703.6	8537.5	8527.9
45°	9227.4	9173.1	9268.9	9454.2	9620.2	9722.4	9581.9	9492.5	9304.0	9150.7	9134.8
47.5°	9668.1	9620.2	9792.7	9958.8	9984.4	9872.6	9901.3	9984.4	9786.3	9534.0	9613.9
50°	9923.7	9923.7	10038.6	10192.0	10144.0	10000.3	10227.1	10233.5	10035.5	9811.9	9811.9
52.5°	9479.7	9578.7	9904.5	10406.0	10565.7	10607.2	10556.1	10338.9	9821.5	9364.7	9342.4
55°	8259.6	8237.2	8678.0	9827.8	10757.3	11249.2	10597.6	9597.9	8547.1	8032.8	7981.7
57.5°	5372.3	5397.8	6055.8	7228.0	8904.8	9821.5	8722.7	7317.4	6055.8	5346.7	5413.8
60°	2417.8	2504.1	2903.3	3778.5	5218.9	5966.3	5231.7	3970.1	3047.0	2644.6	2679.7
62.5°	1389.4	1405.3	1421.3	1686.4	2223.0	2628.6	2309.2	1782.2	1571.4	1501.2	1501.2
65°	1172.2	1162.6	1165.8	1188.2	1245.6	1328.7	1293.6	1245.6	1252.0	1245.6	1236.1
67.5°	996.5	1009.3	999.7	1015.7	1018.9	1031.7	1054.0	1073.2	1076.4	1082.8	1076.4
70°	817.7	820.9	827.2	840.0	843.2	852.8	884.7	900.7	910.3	910.3	923.1
72.5°	626.0	622.8	629.2	642.0	658.0	661.2	689.9	712.3	725.0	709.1	712.3
75°	412.0	415.2	424.8	434.4	456.7	479.1	488.7	511.0	514.2	520.6	504.6
77.5°	245.9	252.3	261.9	281.1	300.2	319.4	341.8	357.7	364.1	357.7	338.6
80°	159.7	159.7	172.5	188.4	210.8	226.8	239.5	252.3	261.9	252.3	245.9
82.5°	99.0	99.0	115.0	134.1	150.1	159.7	178.9	194.8	204.4	198.0	188.4
85°	51.1	54.3	67.1	83.0	95.8	102.2	99.0	89.4	79.8	76.7	70.3
87.5°	16.0	16.0	19.2	19.2	16.0	16.0	19.2	16.0	19.2	19.2	19.2
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)