

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: P533481

Luminaire Tested: **GALN-SA8D-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8D-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32080 lumens
Efficiency: N/A
Efficacy: 65.1 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): 493
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

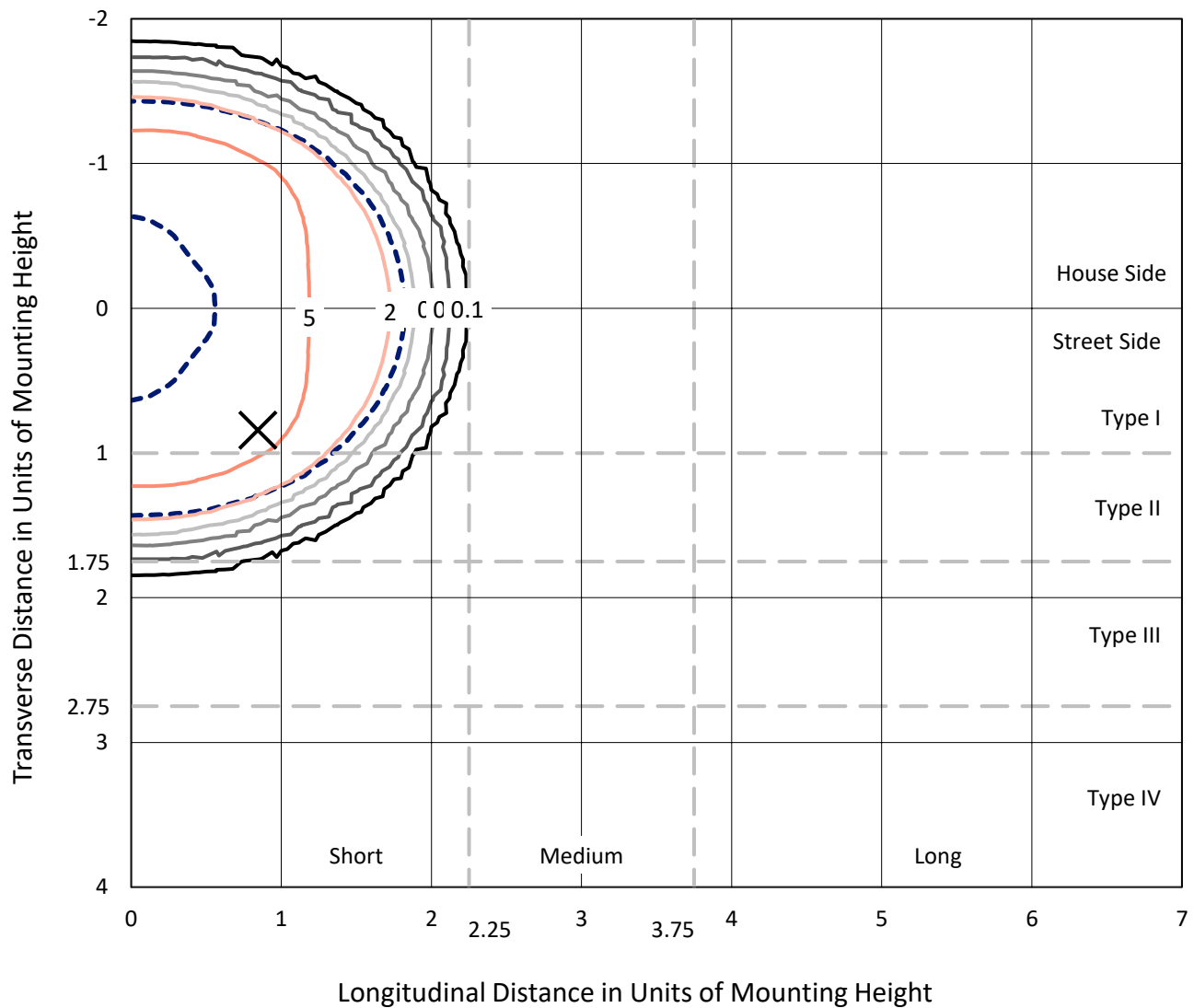


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

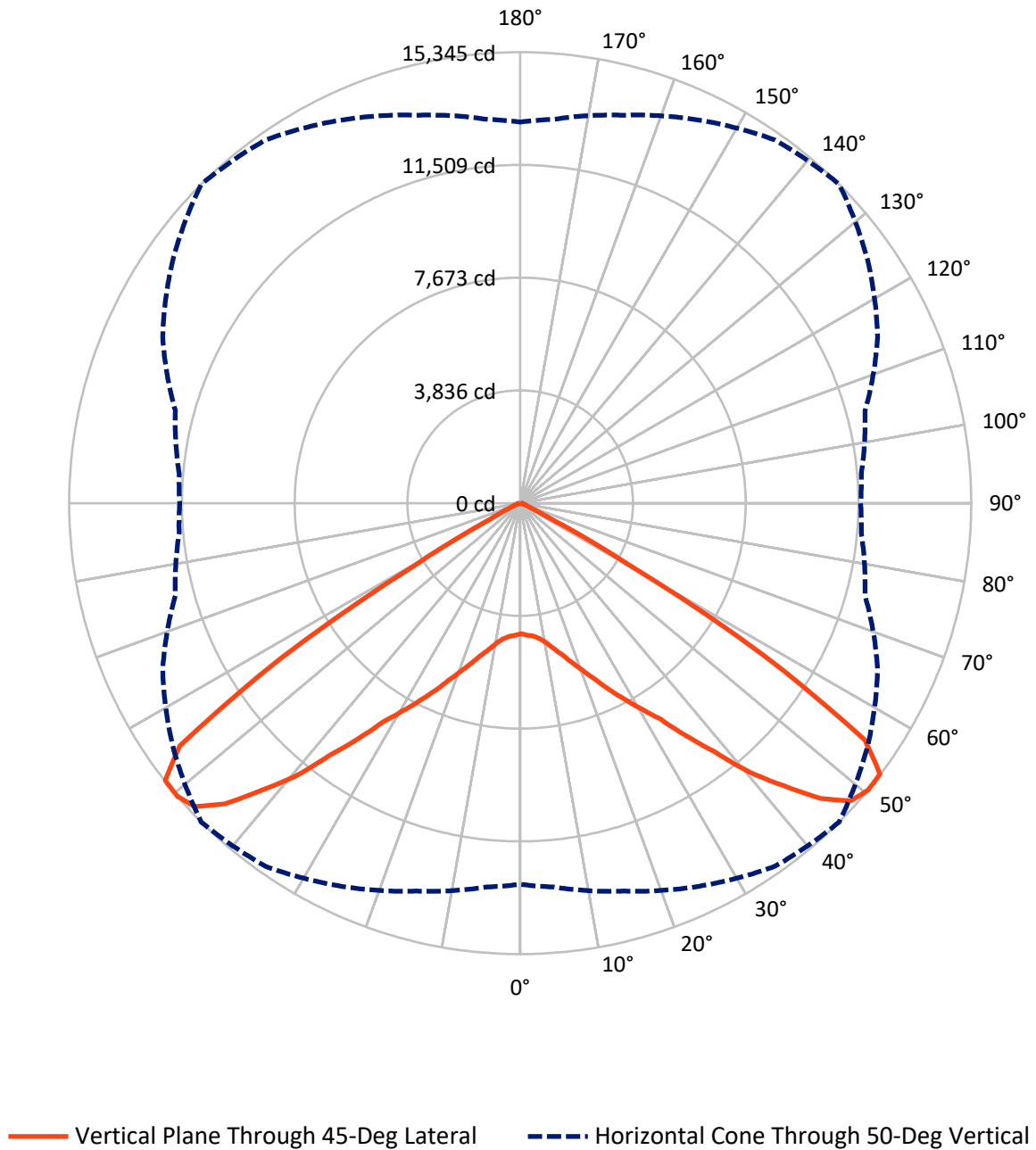


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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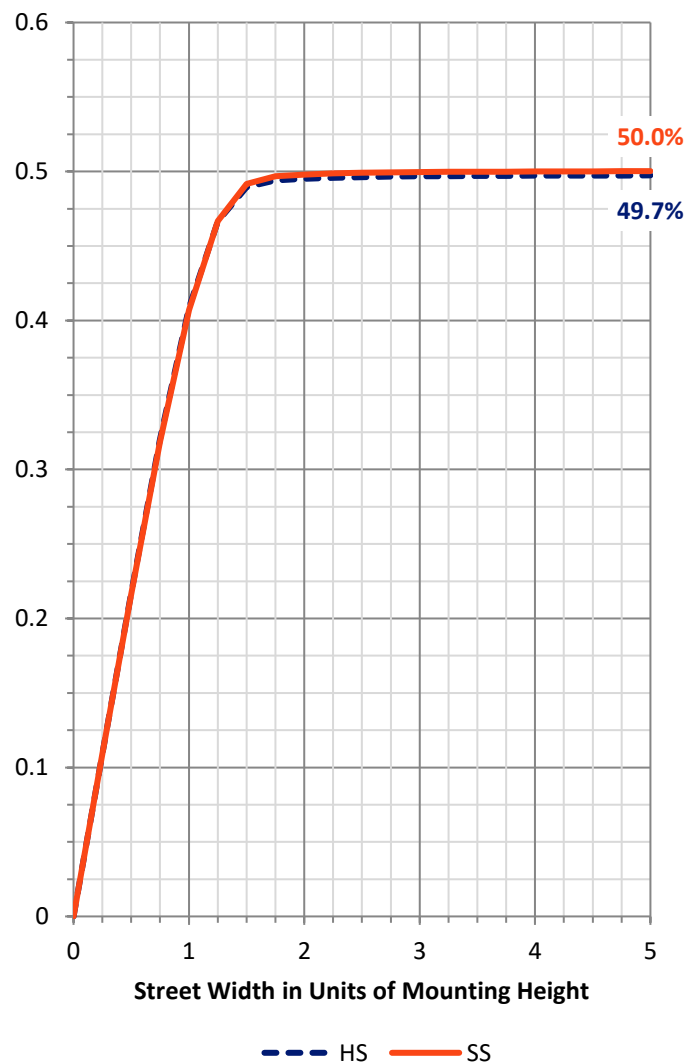
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16040.0	0.0	16040.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16040.0	0.0	16040.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32080.0	0.0	32080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.5	1.4
10°-20°	1525.0	4.8
20°-30°	3114.6	9.7
30°-40°	5939.6	18.5
40°-50°	10009.0	31.2
50°-60°	9545.4	29.8
60°-70°	1332.5	4.2
70°-80°	127.4	0.4
80°-90°	44.0	0.1
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°	32080.0	100.0
0°-180°	32080.0	100.0

Coefficient of Utilization



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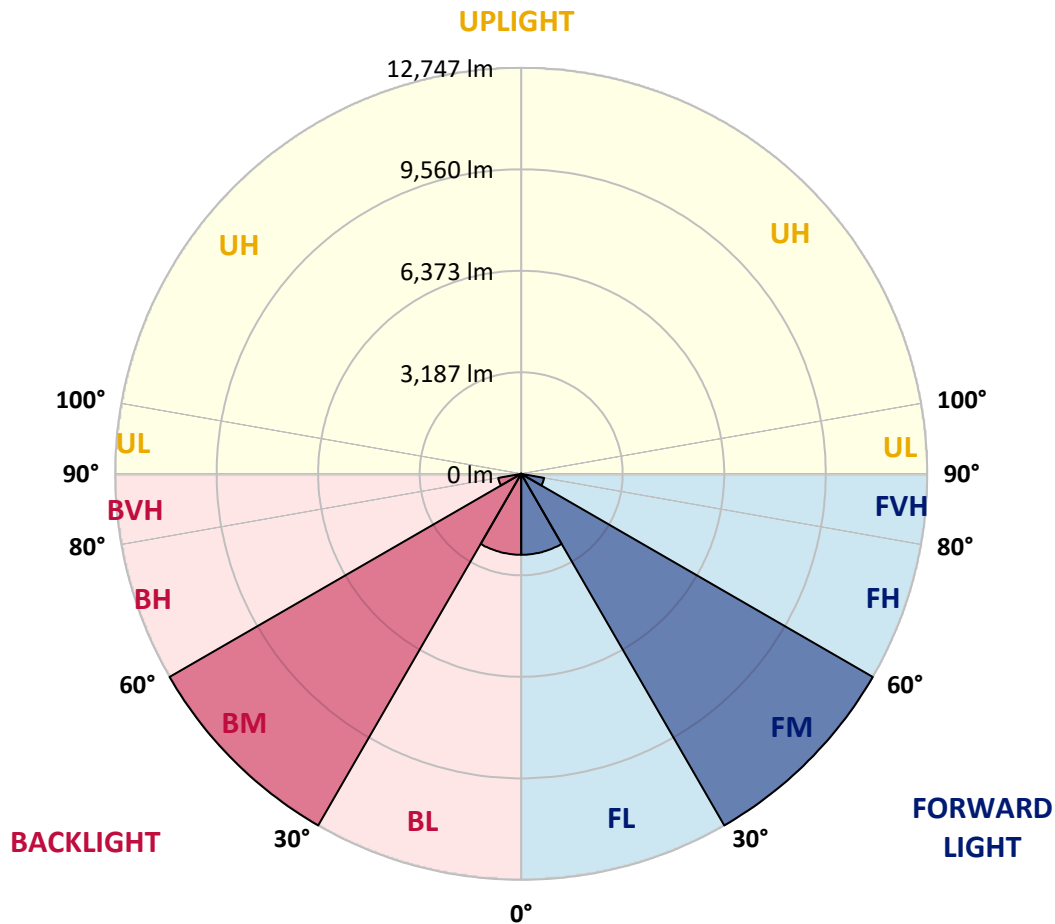
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2541.0	7.9			
FM	(30°-60°)	12747.0	39.7			
FH	(60°-80°)	730.0	2.3			G1/1800
FVH	(80°-90°)	22.0	0.1			G1/100
BL	(0°-30°)	2541.0	7.9	B4/5000		
BM	(30°-60°)	12747.0	39.7	B5		
BH	(60°-80°)	730.0	2.3	B2/1000		G1/1800
BVH	(80°-90°)	22.0	0.1			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°	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5	4447.5
2.5°	4431.3	4431.3	4425.9	4469.1	4447.5	4496.1	4490.7	4506.9	4523.1	4517.7	4560.9
5°	4393.6	4388.2	4388.2	4436.7	4485.3	4539.3	4587.9	4620.3	4674.2	4674.2	4728.2
7.5°	4431.3	4404.4	4442.1	4463.7	4555.5	4647.2	4728.2	4793.0	4917.1	4960.3	4944.1
10°	4442.1	4474.5	4501.5	4566.3	4679.6	4820.0	4890.1	5052.1	5192.4	5289.5	5311.1
12.5°	4512.3	4560.9	4636.5	4793.0	4895.5	5079.0	5176.2	5332.7	5527.0	5635.0	5710.6
15°	4647.2	4663.4	4760.6	4960.3	5181.6	5348.9	5500.1	5613.4	5802.3	5926.5	5931.9
17.5°	4820.0	4890.1	5025.1	5214.0	5446.1	5694.4	5813.1	5937.2	6007.4	6174.7	6212.5
20°	5165.4	5176.2	5305.7	5554.0	5845.5	6072.2	6158.5	6223.3	6196.3	6369.0	6401.4
22.5°	5489.3	5500.1	5662.0	5996.6	6309.7	6504.0	6541.8	6504.0	6423.0	6547.2	6558.0
25°	5818.5	5915.7	6034.4	6369.0	6757.7	7016.7	7022.1	6919.6	6752.3	6773.9	6827.8
27.5°	6331.3	6401.4	6525.6	6833.2	7259.6	7551.1	7502.5	7378.4	7162.5	7178.7	7162.5
30°	6930.4	6995.2	7097.7	7491.7	7804.8	8123.2	8193.4	8074.7	7750.8	7680.6	7761.6
32.5°	7653.7	7745.4	7934.3	8296.0	8560.4	8754.7	8803.3	8760.1	8457.9	8430.9	8484.9
35°	8533.4	8657.6	8830.3	9148.8	9364.7	9715.5	9715.5	9569.8	9294.5	9326.9	9321.5
37.5°	9461.8	9645.3	9915.2	10239.1	10530.5	10719.4	10660.1	10535.9	10260.6	10190.5	10260.6
40°	10627.7	10719.4	11059.5	11480.5	11836.7	12052.6	11798.9	11529.1	10870.6	10973.1	11162.0
42.5°	11691.0	11836.7	12095.8	12560.0	12964.8	13142.9	12840.6	12306.3	11512.9	11431.9	11572.2
45°	12597.8	12754.3	13094.3	13758.2	14184.6	14341.2	13671.9	12808.3	11901.5	11696.4	11755.8
47.5°	13202.3	13283.2	13758.2	14389.7	14778.4	15134.6	14173.8	13153.7	12085.0	11696.4	11674.8
50°	12970.2	13110.5	13666.5	14384.3	15091.4	15345.1	14427.5	13418.2	12144.4	11647.8	11583.0
52.5°	11518.3	11761.2	12381.9	13348.0	14416.7	15323.5	14778.4	13331.8	12122.8	11696.4	11793.5
55°	8015.3	8020.7	8776.3	10201.3	12090.4	14227.8	14265.6	13429.0	12263.1	11998.6	12004.0
57.5°	3222.3	3384.2	3961.8	5392.1	7135.5	9769.5	11615.4	12457.4	12279.3	12214.5	12381.9
60°	815.0	820.4	998.5	1522.1	2509.8	4188.5	6083.0	8231.2	9478.0	9904.4	9963.8
62.5°	415.6	421.0	464.2	539.7	685.5	1122.7	1997.1	3168.3	4506.9	5187.0	5365.1
65°	340.0	340.0	367.0	404.8	410.2	431.8	518.2	739.5	1074.1	1219.8	1236.0
67.5°	259.1	259.1	280.7	302.3	313.1	307.7	296.9	307.7	372.4	356.2	345.4
70°	161.9	167.3	178.1	199.7	210.5	215.9	221.3	232.1	264.5	275.3	264.5
72.5°	97.2	97.2	102.6	118.7	134.9	145.7	161.9	172.7	188.9	215.9	210.5
75°	43.2	43.2	54.0	70.2	86.4	102.6	118.7	134.9	145.7	161.9	167.3
77.5°	10.8	16.2	27.0	48.6	64.8	86.4	107.9	124.1	134.9	134.9	129.5
80°	5.4	5.4	21.6	37.8	70.2	91.8	118.7	129.5	145.7	134.9	118.7
82.5°	5.4	5.4	21.6	37.8	64.8	91.8	124.1	140.3	151.1	134.9	113.3
85°	0.0	5.4	16.2	32.4	54.0	64.8	54.0	37.8	21.6	21.6	16.2
87.5°	0.0	0.0	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)