

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: P533716

Luminaire Tested: **GALN-SA9A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28867 lumens
Efficiency: N/A
Efficacy: 105.4 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): 274
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



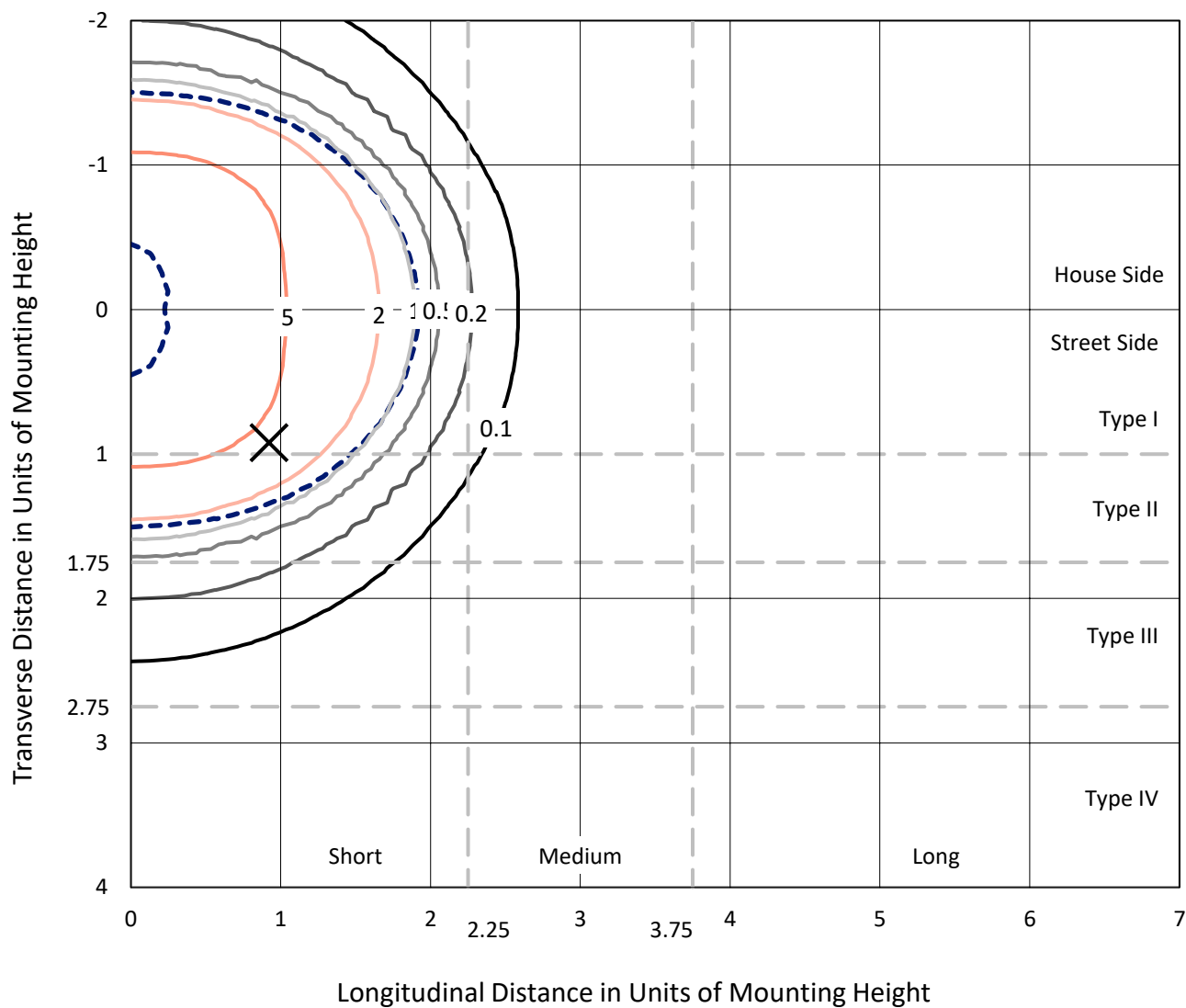
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

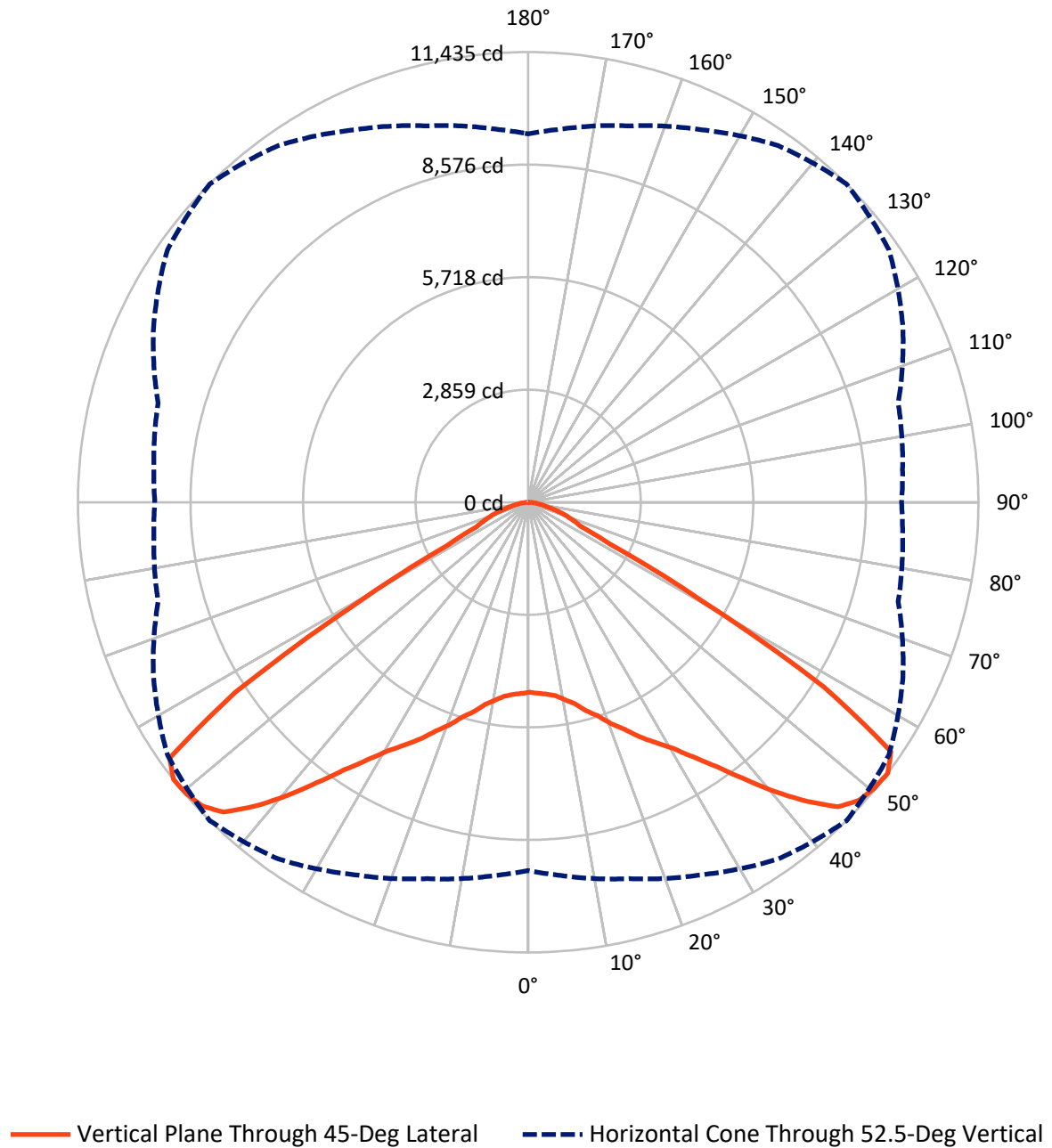


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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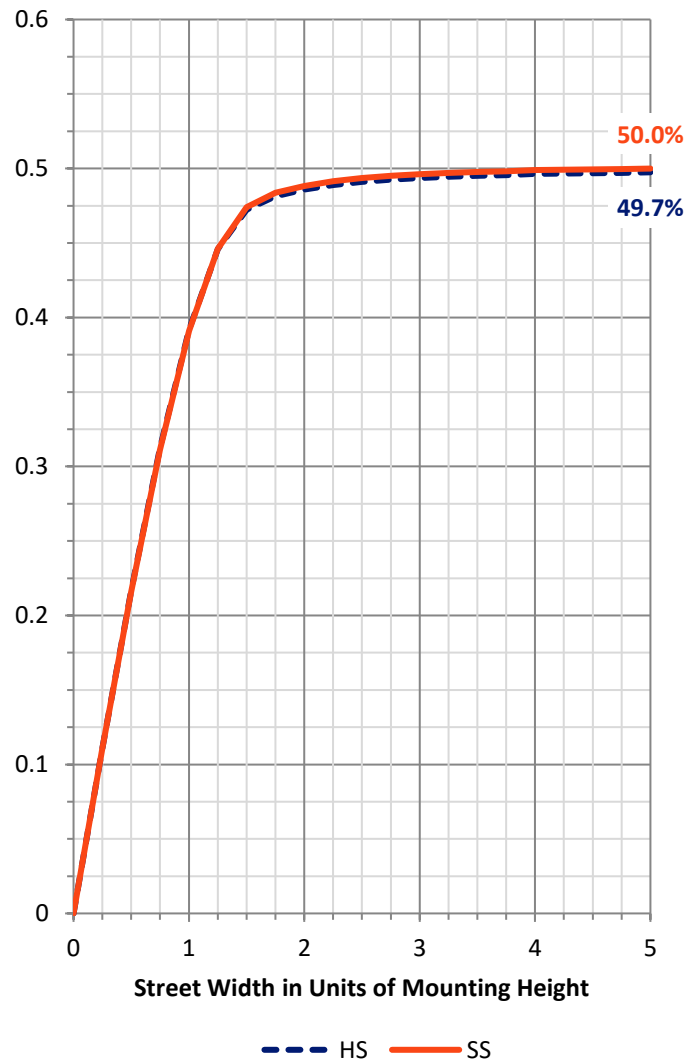
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14433.5	0.0	14433.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14433.5	0.0	14433.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28867.0	0.0	28867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.1	1.6
10°-20°	1557.8	5.4
20°-30°	2965.9	10.3
30°-40°	5092.6	17.6
40°-50°	7827.5	27.1
50°-60°	7948.7	27.5
60°-70°	2215.2	7.7
70°-80°	653.5	2.3
80°-90°	131.6	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°	28867.0	100.0
0°-180°	28867.0	100.0

Coefficient of Utilization



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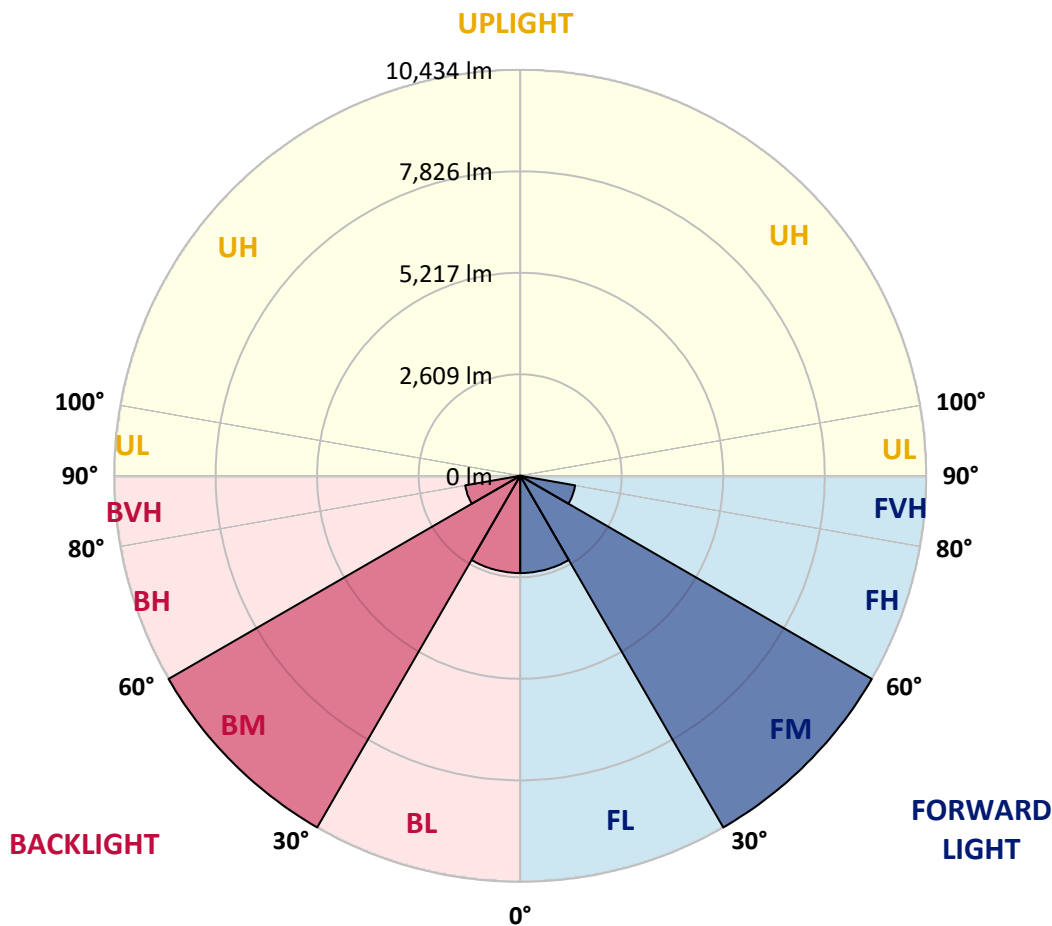
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2498.9	8.7			
FM	(30°-60°)	10434.4	36.1			
FH	(60°-80°)	1434.3	5.0			G1/1800
FVH	(80°-90°)	65.8	0.2			G1/100
BL	(0°-30°)	2498.9	8.7	B3/2500		
BM	(30°-60°)	10434.4	36.1	B5		
BH	(60°-80°)	1434.3	5.0	B3/2500		G1/1800
BVH	(80°-90°)	65.8	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°	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5	4825.5
2.5°	4836.2	4786.1	4804.0	4814.8	4861.3	4857.7	4847.0	4861.3	4875.7	4879.2	4872.1
5°	4832.7	4796.8	4811.2	4821.9	4868.5	4893.6	4886.4	4947.3	4990.3	4979.5	5033.3
7.5°	4804.0	4825.5	4807.6	4861.3	4900.7	4961.6	5026.1	5083.4	5137.2	5198.1	5208.8
10°	4868.5	4868.5	4900.7	4943.7	5047.6	5094.2	5187.3	5269.7	5373.6	5445.3	5416.6
12.5°	4936.6	4947.3	4947.3	5058.4	5144.3	5248.2	5334.2	5445.3	5592.1	5678.1	5721.1
15°	5004.6	5011.8	5047.6	5198.1	5327.0	5491.8	5570.6	5670.9	5753.3	5914.6	5918.1
17.5°	5065.5	5104.9	5212.4	5380.8	5542.0	5699.6	5825.0	5928.9	6000.5	6065.0	6050.7
20°	5294.8	5323.5	5434.5	5602.9	5842.9	5996.9	6039.9	6057.8	6104.4	6233.4	6194.0
22.5°	5516.9	5527.7	5631.5	5889.5	6057.8	6262.0	6308.6	6297.9	6315.8	6348.0	6405.3
25°	5746.2	5764.1	5907.4	6125.9	6362.4	6606.0	6645.4	6563.0	6537.9	6573.7	6577.3
27.5°	6039.9	6043.5	6226.2	6416.1	6684.8	6914.0	6974.9	6910.5	6792.2	6820.9	6867.5
30°	6412.5	6387.4	6570.1	6842.4	7125.4	7254.4	7358.3	7326.0	7197.1	7172.0	7132.6
32.5°	6842.4	6849.6	7014.3	7311.7	7498.0	7712.9	7824.0	7770.2	7687.8	7644.9	7669.9
35°	7447.8	7480.1	7591.1	7838.3	8139.2	8246.7	8422.2	8307.6	8092.7	8146.4	8193.0
37.5°	7945.8	8038.9	8246.7	8540.5	8719.6	8916.6	8981.1	8827.0	8669.4	8604.9	8759.0
40°	8708.8	8680.2	8909.4	9203.2	9468.3	9665.3	9582.9	9428.9	9038.4	9042.0	9085.0
42.5°	9364.4	9378.7	9554.3	9905.3	10267.2	10389.0	10127.5	9751.3	9317.8	9271.3	9364.4
45°	9916.1	9973.4	10073.7	10543.0	10897.7	11030.2	10546.6	10102.4	9522.0	9328.6	9482.6
47.5°	10113.1	10206.3	10424.8	10854.7	11205.8	11313.2	10926.3	10288.7	9711.9	9396.6	9479.0
50°	10141.8	10109.5	10467.8	10861.9	11169.9	11402.8	11062.5	10424.8	9665.3	9500.5	9475.5
52.5°	9357.2	9514.9	9898.2	10439.1	11062.5	11435.0	11184.3	10500.0	9729.8	9543.5	9482.6
55°	7573.2	7386.9	8085.5	8995.4	10141.8	11177.1	11141.3	10539.4	9769.2	9615.2	9532.8
57.5°	4227.2	4281.0	4675.0	5663.8	7143.3	8862.9	9905.3	10123.9	9751.3	9661.7	9704.7
60°	1956.0	1973.9	2142.3	2604.4	3521.5	5026.1	6398.2	7791.7	8433.0	8561.9	8561.9
62.5°	1458.0	1450.9	1493.9	1576.3	1769.7	2310.7	3084.5	4191.4	5072.7	5688.9	5850.1
65°	1318.3	1314.7	1336.2	1364.9	1379.2	1454.5	1626.4	1966.7	2253.3	2418.1	2389.5
67.5°	1153.5	1150.0	1157.1	1175.0	1200.1	1239.5	1282.5	1354.1	1454.5	1447.3	1429.4
70°	931.4	931.4	942.2	956.5	985.2	1031.7	1081.9	1132.0	1218.0	1235.9	1232.3
72.5°	687.8	677.1	698.6	727.2	755.9	813.2	866.9	913.5	974.4	992.3	985.2
75°	437.1	444.2	458.5	490.8	540.9	580.3	637.7	677.1	716.5	730.8	734.4
77.5°	243.6	250.8	275.8	315.3	365.4	408.4	458.5	490.8	515.9	519.4	523.0
80°	146.9	150.5	175.5	211.4	254.4	300.9	340.3	372.6	394.1	383.3	379.7
82.5°	89.6	93.1	114.6	146.9	182.7	218.5	261.5	290.2	311.7	297.3	283.0
85°	46.6	50.2	68.1	89.6	118.2	136.1	136.1	121.8	118.2	111.1	107.5
87.5°	14.3	14.3	17.9	21.5	17.9	21.5	25.1	28.7	28.7	32.2	28.7
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)