

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: P532772

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532772
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-SA8A-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA 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: 25901 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

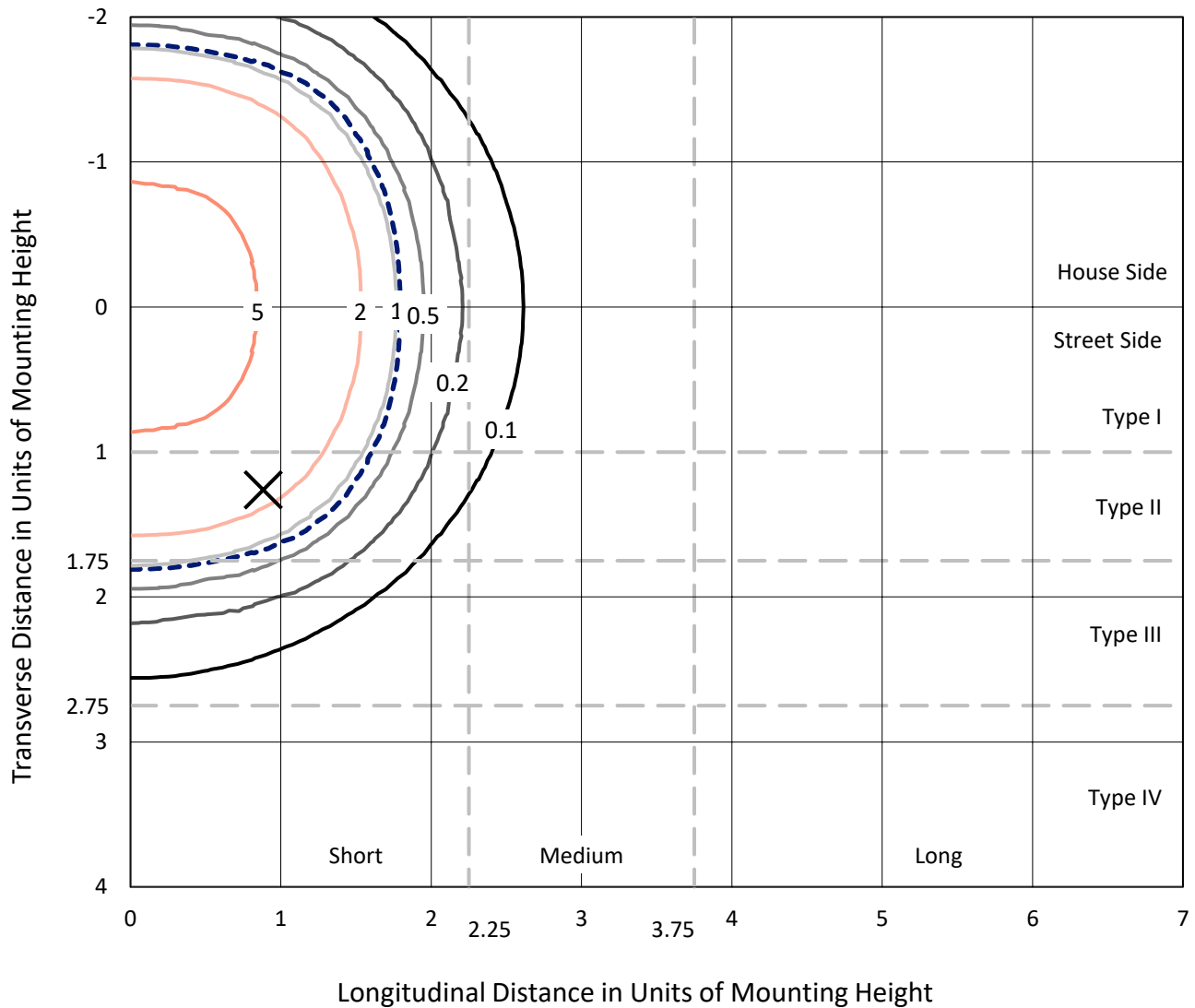


REPORT NUMBER: P532772

CATALOG NUMBER: GALN-SA8A-830-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

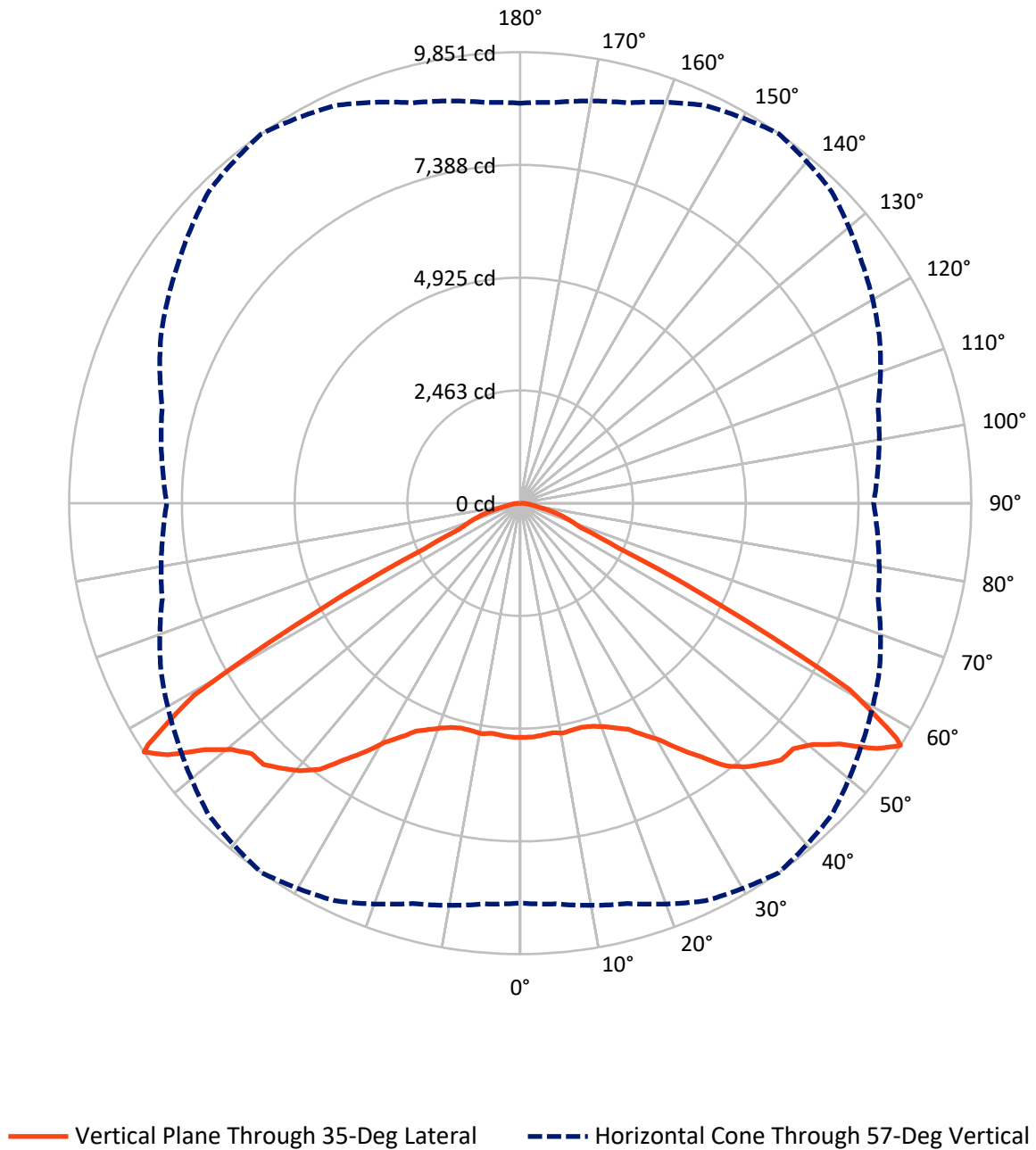


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P532772

CATALOG NUMBER: GALN-SA8A-830-U-5MQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P532772

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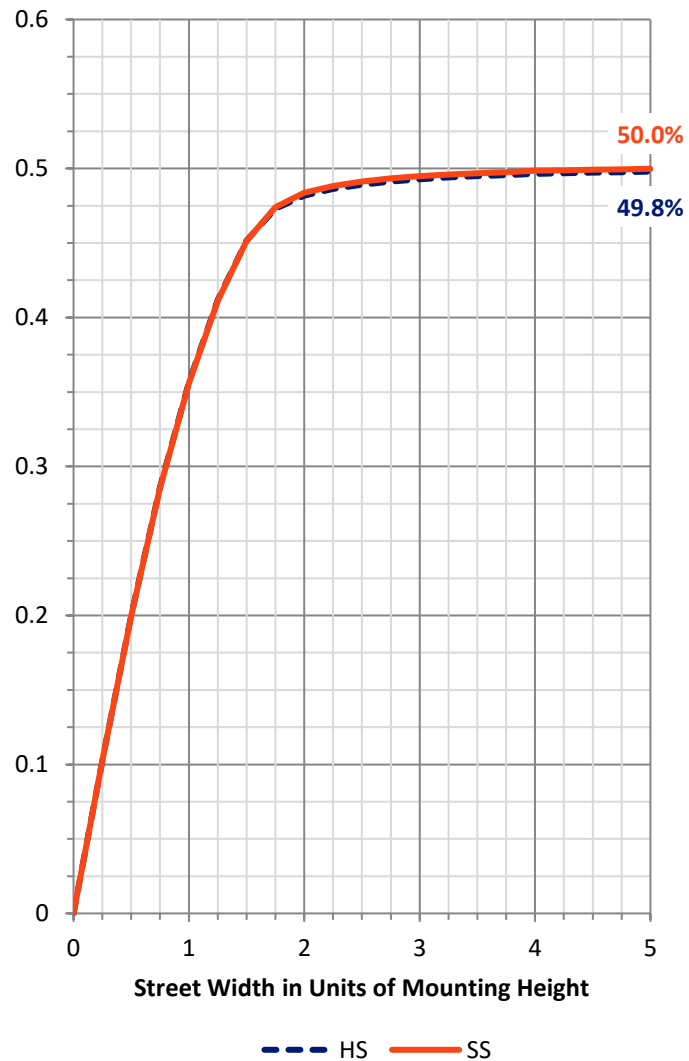
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12950.5	0.0	12950.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12950.5	0.0	12950.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25901.0	0.0	25901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.9	1.9
10°-20°	1436.3	5.5
20°-30°	2508.4	9.7
30°-40°	4110.1	15.9
40°-50°	6026.4	23.3
50°-60°	7590.8	29.3
60°-70°	2854.8	11.0
70°-80°	759.1	2.9
80°-90°	130.1	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°	25901.0	100.0
0°-180°	25901.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532772

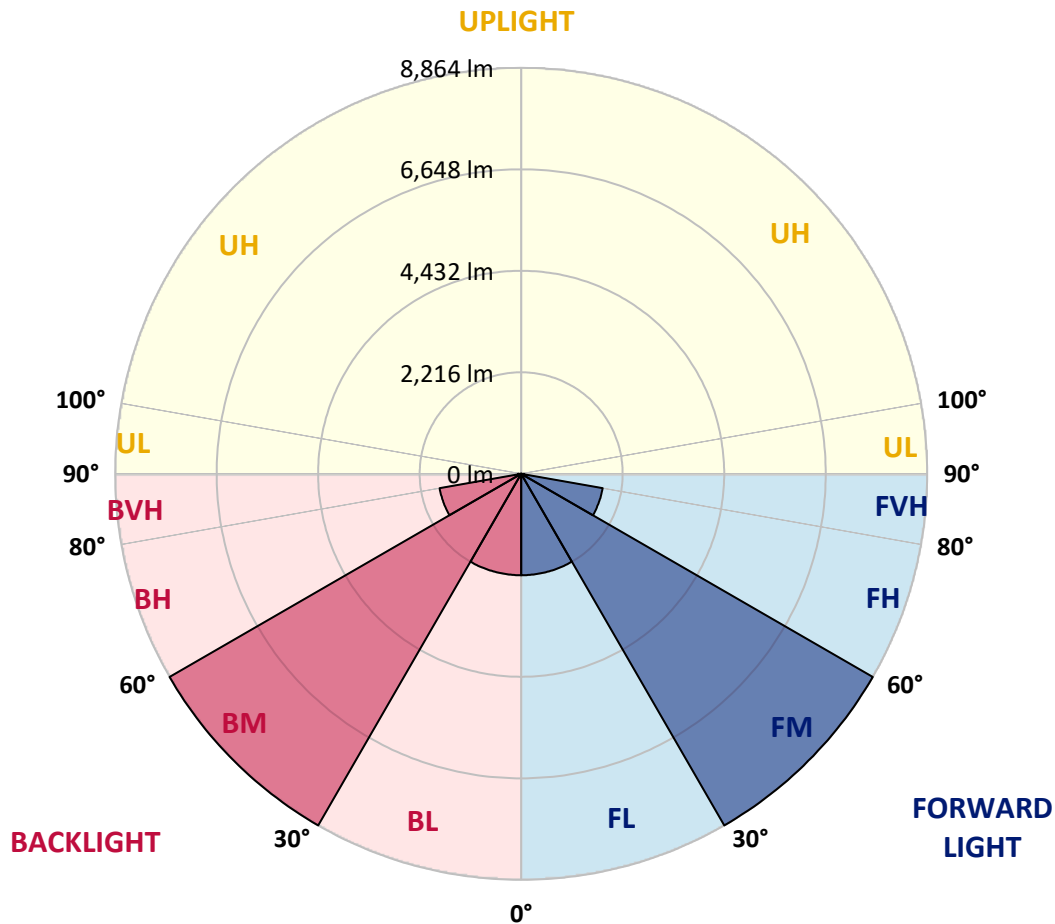
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2214.8	8.6			
FM	(30°-60°)	8863.7	34.2			
FH	(60°-80°)	1806.9	7.0			G2/5000
FVH	(80°-90°)	65.1	0.3			G1/100
BL	(0°-30°)	2214.8	8.6	B3/2500		
BM	(30°-60°)	8863.7	34.2	B5		
BH	(60°-80°)	1806.9	7.0	B3/2500		G2/5000
BVH	(80°-90°)	65.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3	5115.3
2.5°	5089.7	5140.8	5118.4	5105.7	5115.3	5099.3	5073.8	5102.5	5096.1	5070.6	5061.0
5°	5077.0	5115.3	5089.7	5115.3	5089.7	5134.4	5121.6	5073.8	5131.2	5077.0	5096.1
7.5°	5067.4	5080.2	5086.5	5073.8	5064.2	5118.4	5089.7	5067.4	5035.5	5025.9	5041.9
10°	5045.1	5077.0	5029.1	5092.9	5105.7	5067.4	5067.4	5025.9	5000.4	4984.4	5038.7
12.5°	5102.5	5048.2	5041.9	5073.8	5083.3	5099.3	5054.6	5032.3	4984.4	4990.8	4981.2
15°	5035.5	5057.8	5061.0	5067.4	5077.0	5115.3	5073.8	5025.9	5006.8	4939.7	4946.1
17.5°	5061.0	5038.7	5061.0	5134.4	5121.6	5150.4	5105.7	5032.3	4987.6	4949.3	5000.4
20°	5105.7	5096.1	5105.7	5195.0	5211.0	5236.5	5198.2	5131.2	5045.1	5000.4	5025.9
22.5°	5153.5	5147.2	5153.5	5239.7	5332.2	5364.2	5325.9	5169.5	5124.8	5041.9	5013.1
25°	5239.7	5246.1	5313.1	5408.8	5469.5	5530.1	5459.9	5348.2	5204.6	5153.5	5092.9
27.5°	5431.2	5447.1	5485.4	5625.8	5731.1	5785.4	5686.5	5533.3	5443.9	5338.6	5322.7
30°	5667.3	5667.3	5734.3	5855.6	5999.2	6082.1	5960.9	5779.0	5670.5	5613.1	5578.0
32.5°	5980.0	5944.9	5970.5	6184.3	6407.6	6477.8	6315.1	6091.7	5919.4	5842.8	5817.3
35°	6248.1	6270.4	6327.9	6557.6	6806.5	6969.3	6714.0	6423.6	6248.1	6177.9	6165.1
37.5°	6595.9	6634.2	6662.9	6978.8	7278.8	7339.4	7093.7	6860.8	6647.0	6589.5	6557.6
40°	7087.3	7061.8	7071.4	7304.3	7575.6	7613.9	7371.3	7205.4	7029.9	6994.8	6994.8
42.5°	7492.6	7463.9	7495.8	7581.9	7789.4	7760.6	7626.6	7505.4	7432.0	7393.7	7432.0
45°	7738.3	7731.9	7789.4	7853.2	8000.0	7904.2	7798.9	7818.1	7747.9	7684.1	7680.9
47.5°	8006.3	7964.9	8035.1	8130.8	8019.1	7974.4	7968.1	8009.5	7987.2	7875.5	7840.4
50°	8137.2	8121.2	8232.9	8344.6	8284.0	8181.9	8204.2	8271.2	7984.0	7834.0	7747.9
52.5°	8488.2	8491.4	8705.2	8765.8	8740.3	8590.3	8638.2	8456.3	8118.0	7907.4	7917.0
55°	9040.3	9017.9	9257.2	9435.9	9464.7	9273.2	9043.4	8788.2	8363.7	8149.9	8086.1
57°	8737.1	8788.2	9053.0	9582.7	9850.8	9624.2	9123.2	8657.3	8092.5	7834.0	7719.2
57.5°	8331.8	8414.8	8874.3	9407.2	9688.0	9668.9	9024.3	8414.8	7910.6	7508.5	7518.1
60°	6104.5	6120.4	6535.3	7380.9	8258.4	8277.6	7492.6	6685.3	6123.6	5686.5	5747.1
62.5°	3219.8	3293.2	3459.1	4138.8	4898.3	5083.3	4607.9	4193.0	3708.0	3376.1	3408.0
65°	1704.0	1694.4	1774.2	1965.7	2339.0	2434.8	2371.0	2042.3	1873.1	1818.9	1822.1
67.5°	1384.9	1400.9	1391.3	1400.9	1426.4	1467.9	1458.3	1471.1	1480.6	1496.6	1493.4
70°	1174.3	1174.3	1180.7	1183.9	1183.9	1203.0	1225.4	1266.8	1270.0	1286.0	1292.4
72.5°	925.4	919.0	928.6	950.9	954.1	970.1	1002.0	1027.5	1037.1	1037.1	1017.9
75°	628.6	635.0	647.8	666.9	686.1	714.8	740.3	756.3	762.7	753.1	743.5
77.5°	354.2	360.6	370.2	398.9	421.2	446.7	475.5	491.4	507.4	510.6	491.4
80°	210.6	210.6	226.6	248.9	274.4	300.0	325.5	344.6	351.0	351.0	341.4
82.5°	127.6	130.8	143.6	165.9	188.3	204.2	226.6	242.5	255.3	252.1	245.7
85°	67.0	67.0	79.8	98.9	114.9	130.8	130.8	121.3	114.9	98.9	92.5
87.5°	22.3	19.1	25.5	25.5	22.3	25.5	25.5	28.7	28.7	28.7	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)