

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: P652602

Luminaire Tested: **GALN-SA9B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652602
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-SA9B-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA 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: 38014.1 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

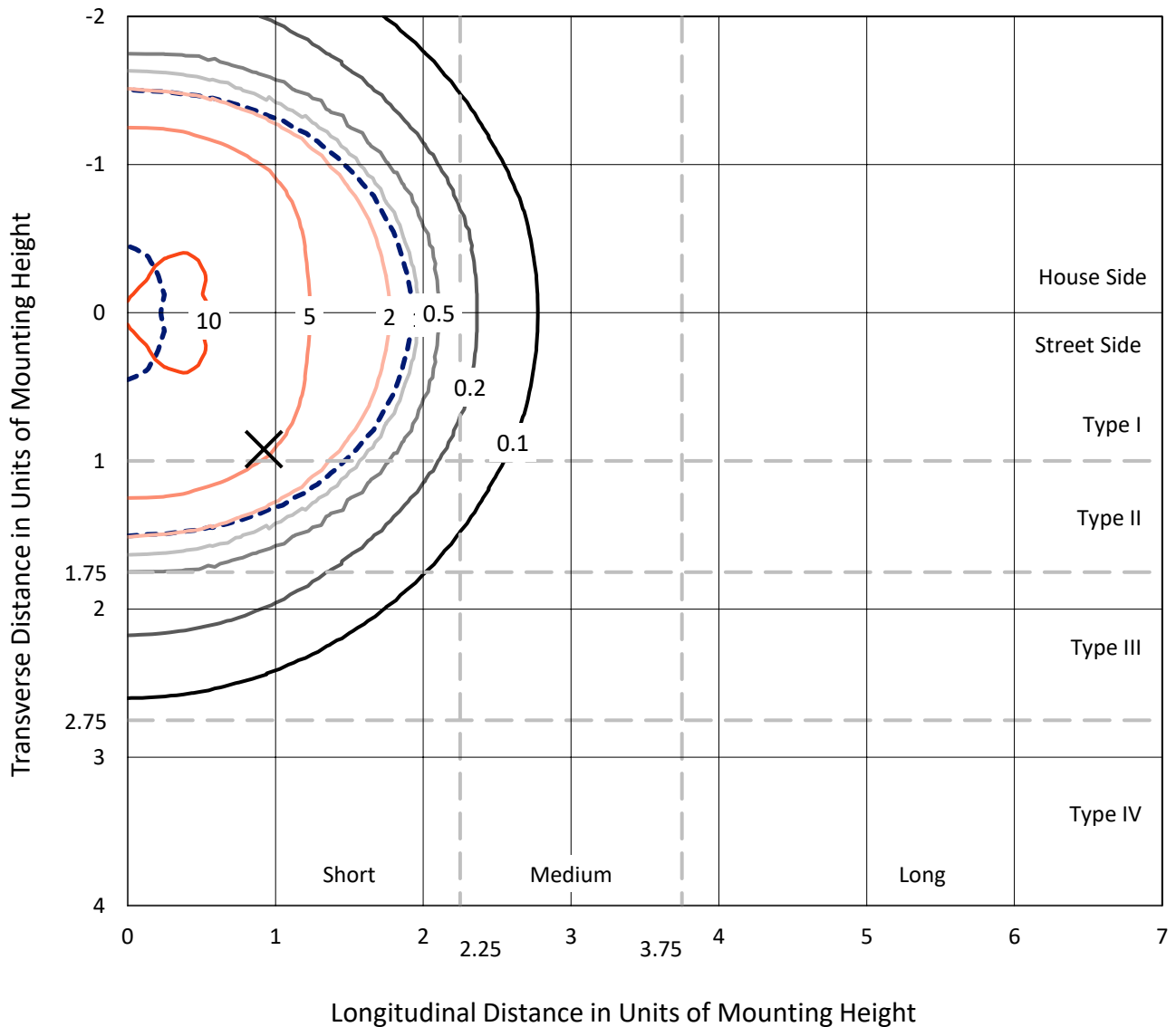
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

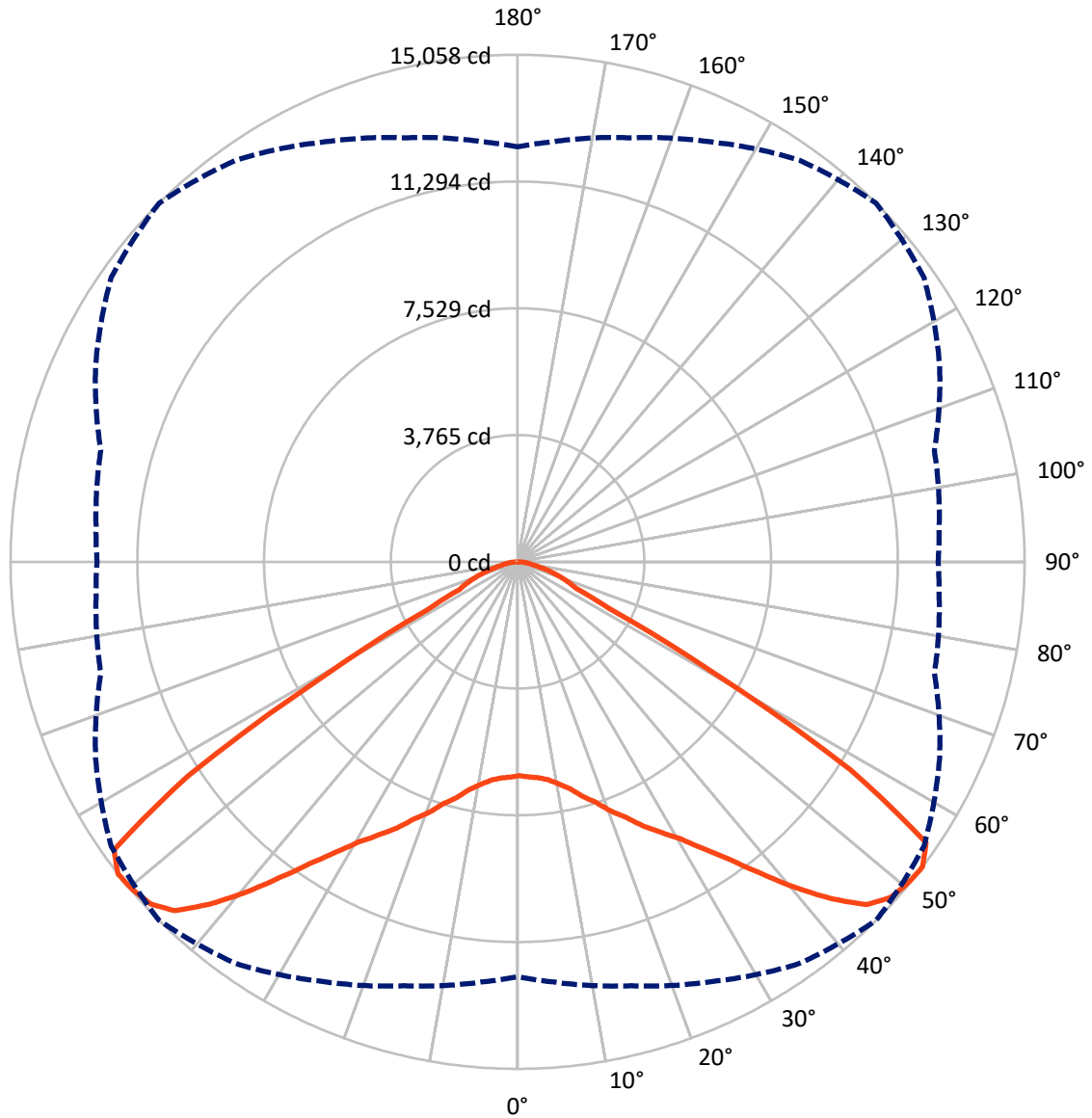
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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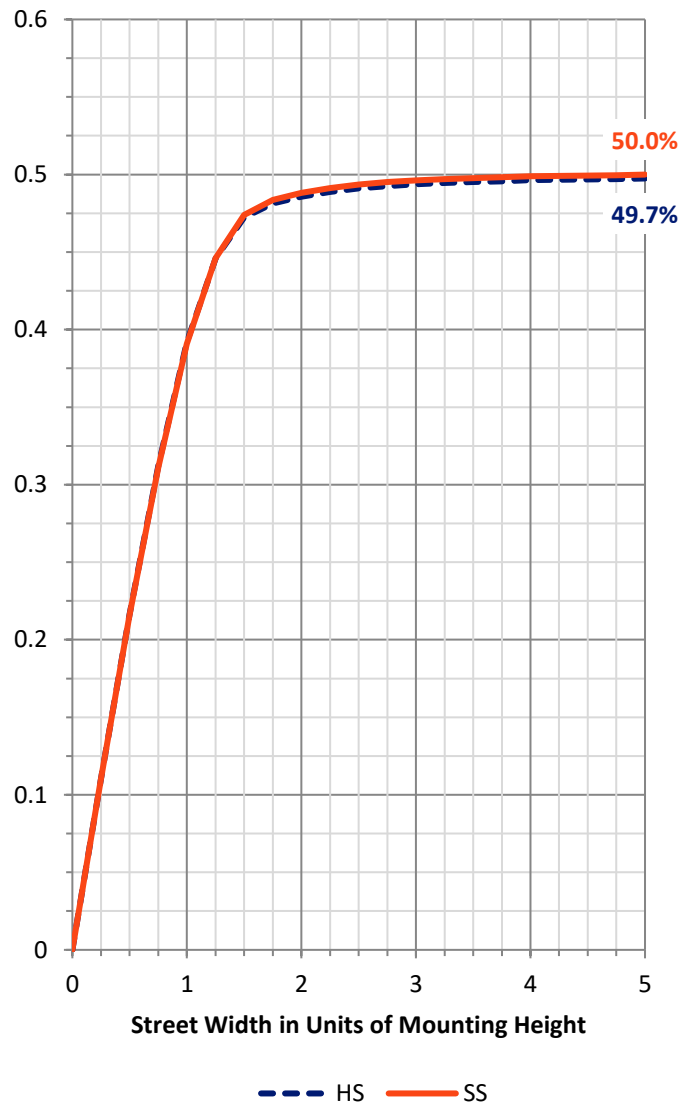
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19007.0	0.0	19007.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19007.0	0.0	19007.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38014.1	0.0	38014.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.3	1.6
10°-20°	2051.5	5.4
20°-30°	3905.7	10.3
30°-40°	6706.3	17.6
40°-50°	10307.8	27.1
50°-60°	10467.4	27.5
60°-70°	2917.1	7.7
70°-80°	860.5	2.3
80°-90°	173.3	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°	38014.1	100.0
0°-180°	38014.1	100.0

Coefficient of Utilization



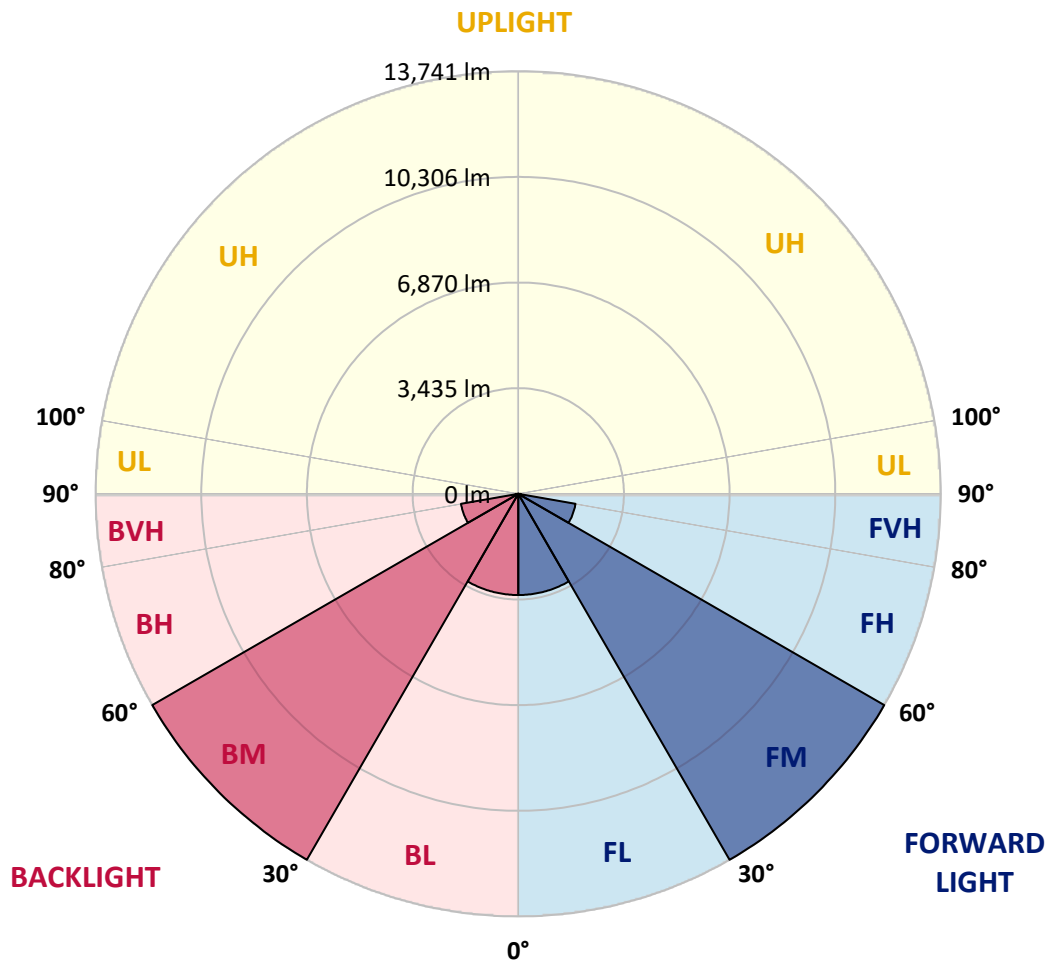
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3290.7	8.7			
FM (30°-60°)	13740.8	36.1			
FH (60°-80°)	1888.8	5.0			G2/5000
FVH (80°-90°)	86.7	0.2			G1/100
BL (0°-30°)	3290.7	8.7	B4/5000		
BM (30°-60°)	13740.8	36.1	B5		
BH (60°-80°)	1888.8	5.0	B3/2500		G2/5000
BVH (80°-90°)	86.7	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5	6354.5
2.5°	6368.7	6302.6	6326.3	6340.4	6401.7	6397.0	6382.9	6401.7	6420.6	6425.3	6415.9
5°	6364.0	6316.8	6335.7	6349.8	6411.2	6444.2	6434.7	6515.0	6571.6	6557.4	6628.2
7.5°	6326.3	6354.5	6331.0	6401.7	6453.6	6533.8	6618.8	6694.2	6765.0	6845.2	6859.4
10°	6411.2	6411.2	6453.6	6510.3	6647.0	6708.4	6831.0	6939.5	7076.3	7170.7	7132.9
12.5°	6500.8	6515.0	6515.0	6661.2	6774.4	6911.3	7024.5	7170.7	7364.1	7477.3	7533.9
15°	6590.4	6599.8	6647.0	6845.2	7015.0	7232.0	7335.8	7467.9	7576.4	7788.7	7793.4
17.5°	6670.6	6722.5	6864.1	7085.8	7298.0	7505.7	7670.8	7807.6	7901.9	7986.8	7968.0
20°	6972.6	7010.3	7156.6	7378.3	7694.3	7897.2	7953.8	7977.4	8038.7	8208.6	8156.7
22.5°	7265.1	7279.2	7416.0	7755.7	7977.4	8246.3	8307.7	8293.4	8317.1	8359.5	8435.0
25°	7567.0	7590.5	7779.2	8067.0	8378.4	8699.1	8751.0	8642.5	8609.6	8656.7	8661.5
27.5°	7953.8	7958.6	8199.1	8449.1	8803.0	9104.9	9185.1	9100.1	8944.5	8982.2	9043.5
30°	8444.4	8411.4	8652.0	9010.6	9383.2	9553.1	9689.8	9647.4	9477.6	9444.5	9392.6
32.5°	9010.6	9020.0	9237.0	9628.5	9873.8	10156.9	10303.2	10232.4	10123.9	10067.3	10100.3
35°	9807.8	9850.3	9996.5	10322.0	10718.3	10859.8	11090.9	10940.0	10657.0	10727.7	10789.0
37.5°	10463.6	10586.2	10859.8	11246.7	11482.5	11742.0	11826.9	11624.0	11416.5	11331.5	11534.4
40°	11468.4	11430.6	11732.5	12119.4	12468.5	12727.9	12619.5	12416.6	11902.4	11907.1	11963.7
42.5°	12331.7	12350.6	12581.7	13044.1	13520.5	13680.9	13336.5	12841.2	12270.4	12209.0	12331.7
45°	13058.2	13133.6	13265.8	13883.7	14350.8	14525.3	13888.5	13303.5	12539.2	12284.5	12487.3
47.5°	13317.7	13440.4	13728.1	14294.2	14756.5	14898.1	14388.6	13548.8	12789.3	12374.1	12482.6
50°	13355.4	13312.9	13784.7	14303.6	14709.3	15016.0	14567.8	13728.1	12727.9	12511.0	12477.9
52.5°	12322.2	12529.8	13034.6	13747.0	14567.8	15058.4	14728.2	13827.1	12812.9	12567.6	12487.3
55°	9972.9	9727.6	10647.6	11845.8	13355.4	14718.8	14671.6	13879.0	12864.8	12661.9	12553.4
57.5°	5566.7	5637.5	6156.4	7458.5	9406.8	11671.2	13044.1	13331.8	12841.2	12723.2	12779.8
60°	2575.8	2599.4	2821.1	3429.7	4637.4	6618.8	8425.6	10260.7	11105.2	11275.0	11275.0
62.5°	1920.1	1910.6	1967.2	2075.8	2330.5	3042.8	4061.8	5519.6	6680.1	7491.5	7703.7
65°	1736.1	1731.4	1759.6	1797.4	1816.2	1915.3	2141.8	2589.9	2967.4	3184.4	3146.6
67.5°	1519.0	1514.3	1523.8	1547.4	1580.4	1632.3	1688.9	1783.3	1915.3	1905.9	1882.3
70°	1226.6	1226.6	1240.7	1259.6	1297.3	1358.6	1424.7	1490.8	1604.0	1627.6	1622.9
72.5°	905.8	891.6	919.9	957.6	995.4	1070.8	1141.7	1203.0	1283.2	1306.7	1297.3
75°	575.6	585.0	603.8	646.3	712.3	764.2	839.7	891.6	943.5	962.4	967.1
77.5°	320.8	330.3	363.2	415.1	481.2	537.8	603.8	646.3	679.4	684.1	688.8
80°	193.4	198.1	231.2	278.4	335.0	396.3	448.2	490.6	518.9	504.8	500.1
82.5°	117.9	122.6	151.0	193.4	240.6	287.8	344.4	382.2	410.4	391.6	372.6
85°	61.3	66.0	89.7	117.9	155.7	179.3	179.3	160.4	155.7	146.2	141.5
87.5°	18.8	18.8	23.5	28.3	23.5	28.3	33.1	37.8	37.8	42.5	37.8
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)