

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: P532982

Luminaire Tested: **GALN-SA8B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532982
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-SA8B-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 800mA 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: 30424 lumens
Efficiency: N/A
Efficacy: 93.6 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

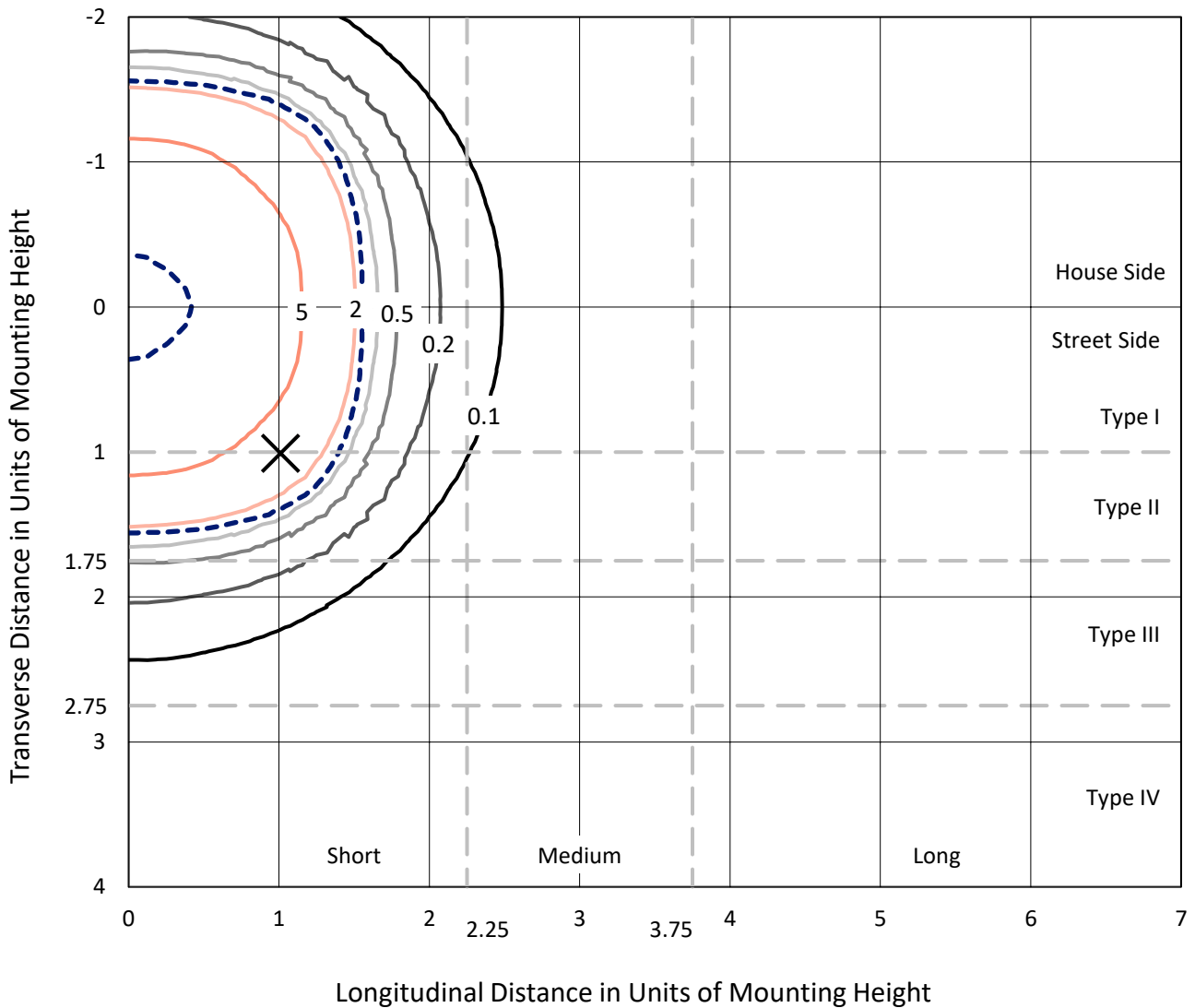
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

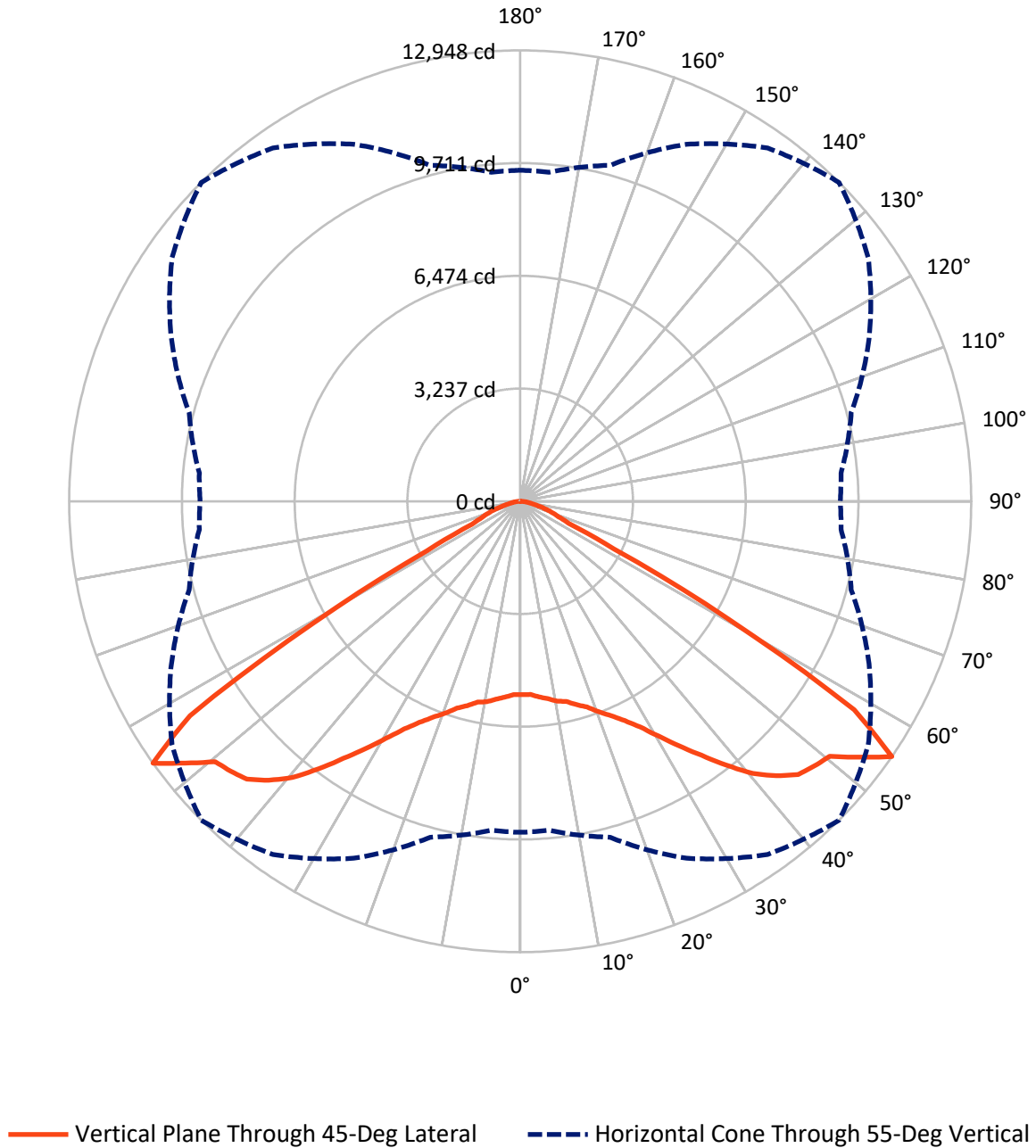
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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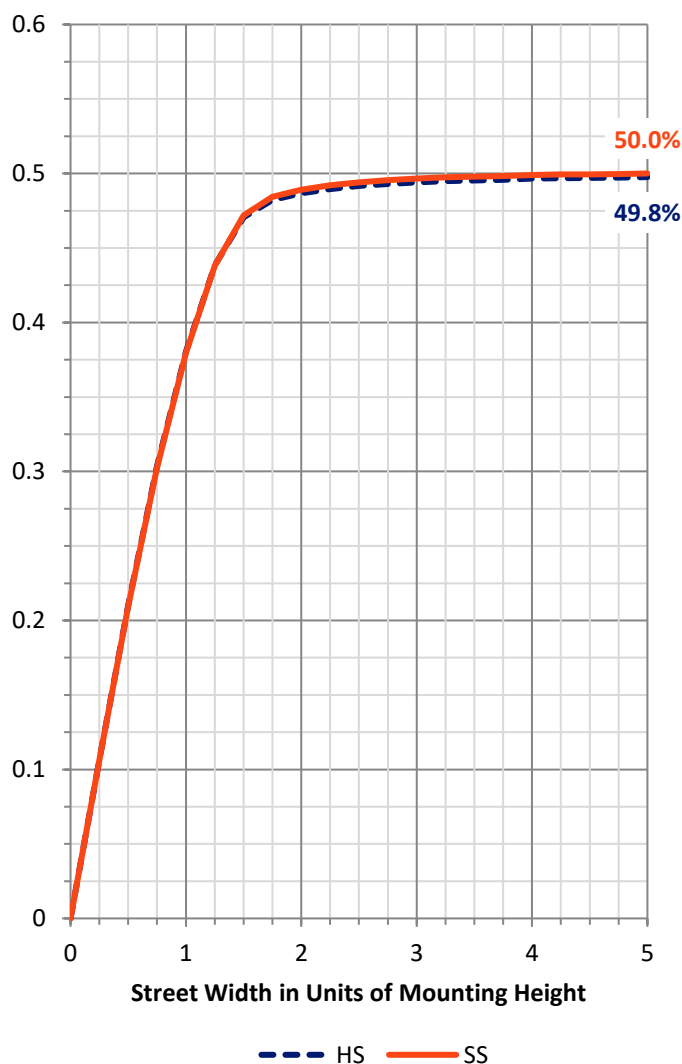
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15212.0	0.0	15212.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15212.0	0.0	15212.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30424.0	0.0	30424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.7	1.8
10°-20°	1719.4	5.7
20°-30°	3206.2	10.5
30°-40°	5368.3	17.6
40°-50°	8353.4	27.5
50°-60°	8673.5	28.5
60°-70°	1839.4	6.0
70°-80°	605.8	2.0
80°-90°	115.4	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°	30424.0	100.0
0°-180°	30424.0	100.0

Coefficient of Utilization

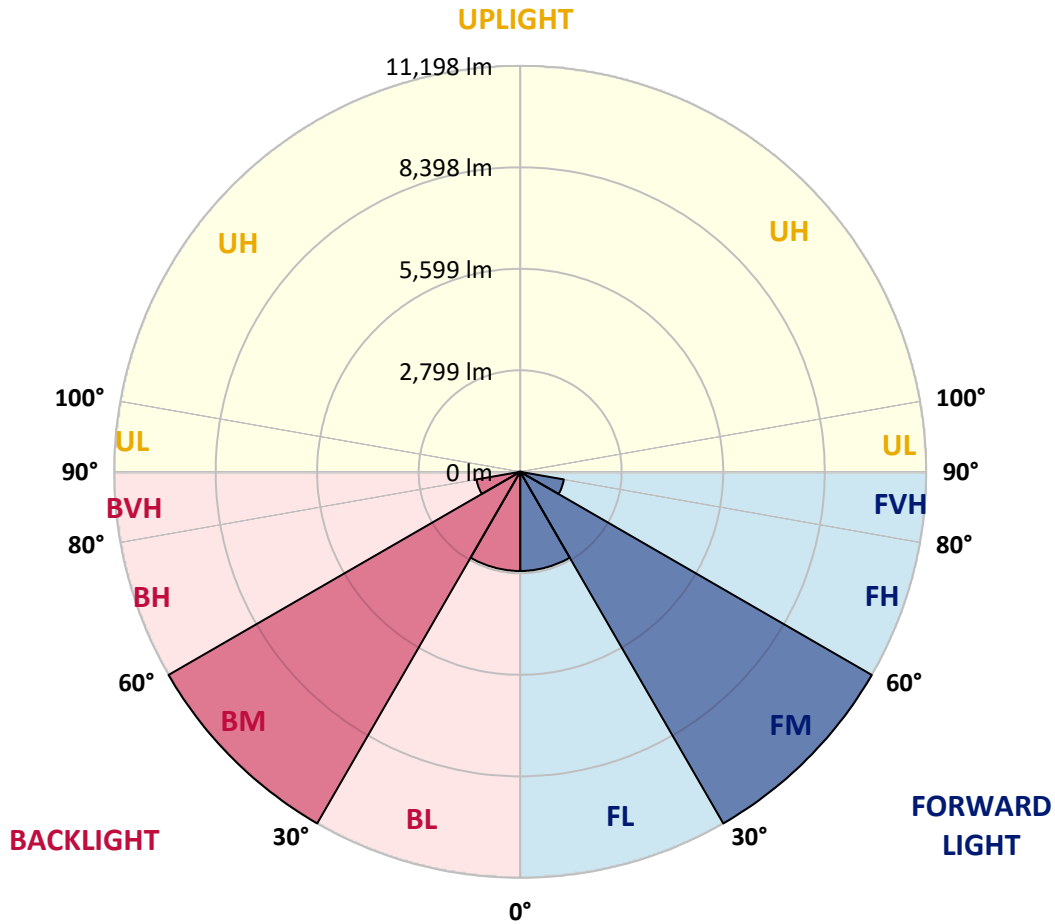


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2734.2	9.0			
FM (30°-60°)	11197.6	36.8			
FH (60°-80°)	1222.6	4.0			G1/1800
FVH (80°-90°)	57.7	0.2			G1/100
BL (0°-30°)	2734.2	9.0	B4/5000		
BM (30°-60°)	11197.6	36.8	B5		
BH (60°-80°)	1222.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	57.7	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0	5555.0
2.5°	5621.1	5595.4	5551.3	5584.4	5610.1	5555.0	5577.0	5588.1	5580.7	5551.3	5562.3
5°	5702.0	5687.3	5650.6	5676.3	5643.2	5643.2	5621.1	5591.7	5635.8	5628.5	5646.9
7.5°	5702.0	5683.6	5757.2	5709.4	5724.1	5724.1	5687.3	5657.9	5680.0	5646.9	5628.5
10°	5816.0	5841.7	5808.6	5819.7	5812.3	5838.0	5782.9	5764.5	5746.1	5735.1	5713.1
12.5°	5952.0	5933.6	5944.7	5937.3	5963.0	5896.9	5863.8	5823.3	5856.4	5808.6	5841.7
15°	6062.3	6051.3	6062.3	6091.7	6066.0	6062.3	6003.5	5963.0	5911.6	5922.6	5871.1
17.5°	6213.0	6202.0	6205.7	6231.4	6227.7	6209.4	6165.2	6088.0	6069.7	6040.2	6007.2
20°	6437.3	6418.9	6411.6	6422.6	6441.0	6455.7	6367.4	6338.0	6275.5	6227.7	6172.6
22.5°	6628.5	6621.1	6650.5	6602.7	6643.2	6687.3	6602.7	6588.0	6433.6	6407.9	6349.1
25°	6893.2	6882.1	6863.8	6933.6	6981.4	6977.7	6896.8	6816.0	6698.3	6668.9	6668.9
27.5°	7172.6	7110.1	7205.7	7224.0	7308.6	7334.3	7264.5	7146.8	7036.5	6974.0	6988.7
30°	7521.8	7463.0	7485.1	7617.4	7727.7	7823.3	7646.8	7474.0	7319.6	7209.3	7190.9
32.5°	7871.1	7812.2	7878.4	8007.1	8227.7	8371.1	8198.3	7896.8	7716.7	7554.9	7588.0
35°	8154.1	8198.3	8304.9	8499.7	8727.7	8959.3	8683.5	8451.9	8194.6	8014.4	8040.2
37.5°	8610.0	8746.0	8830.6	9054.9	9378.4	9617.3	9330.6	9029.1	8753.4	8518.1	8437.2
40°	9205.6	9297.5	9393.1	9657.8	10040.1	10279.1	10007.0	9613.7	9341.6	9099.0	9087.9
42.5°	9860.0	9948.2	10047.5	10371.0	10598.9	10779.1	10529.1	10319.5	10018.1	9826.9	9815.9
45°	10621.0	10558.5	10668.8	10882.0	11073.2	11190.8	11029.1	10926.1	10709.2	10532.7	10514.4
47.5°	11128.3	11073.2	11271.7	11462.9	11492.3	11363.6	11396.7	11492.3	11264.3	10973.9	11065.8
50°	11422.4	11422.4	11554.8	11731.2	11676.1	11510.7	11771.7	11779.0	11551.1	11293.8	11293.8
52.5°	10911.4	11025.4	11400.4	11977.6	12161.4	12209.2	12150.3	11900.4	11304.8	10779.1	10753.3
55°	9507.0	9481.3	9988.6	11312.1	12382.0	12948.1	12198.1	11047.4	9837.9	9246.0	9187.2
57.5°	6183.6	6213.0	6970.4	8319.6	10249.7	11304.8	10040.1	8422.5	6970.4	6154.2	6231.4
60°	2783.0	2882.3	3341.8	4349.1	6007.2	6867.4	6021.9	4569.7	3507.2	3044.0	3084.5
62.5°	1599.2	1617.6	1636.0	1941.1	2558.7	3025.6	2658.0	2051.4	1808.8	1727.9	1727.9
65°	1349.2	1338.2	1341.9	1367.6	1433.8	1529.4	1488.9	1433.8	1441.1	1433.8	1422.7
67.5°	1147.0	1161.7	1150.7	1169.1	1172.8	1187.5	1213.2	1235.3	1238.9	1246.3	1238.9
70°	941.1	944.8	952.2	966.9	970.6	981.6	1018.3	1036.7	1047.8	1047.8	1062.5
72.5°	720.6	716.9	724.2	738.9	757.3	761.0	794.1	819.8	834.5	816.2	819.8
75°	474.2	477.9	489.0	500.0	525.7	551.5	562.5	588.2	591.9	599.2	580.9
77.5°	283.1	290.4	301.5	323.5	345.6	367.6	393.4	411.8	419.1	411.8	389.7
80°	183.8	183.8	198.5	216.9	242.6	261.0	275.7	290.4	301.5	290.4	283.1
82.5°	114.0	114.0	132.3	154.4	172.8	183.8	205.9	224.3	235.3	227.9	216.9
85°	58.8	62.5	77.2	95.6	110.3	117.6	114.0	102.9	91.9	88.2	80.9
87.5°	18.4	18.4	22.1	22.1	18.4	18.4	22.1	18.4	22.1	22.1	22.1
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)