

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: P647157

Luminaire Tested: **GALN-SA9C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647157
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-SA9C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA 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: 43727.4 lumens
Efficiency: N/A
Efficacy: 90.9 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

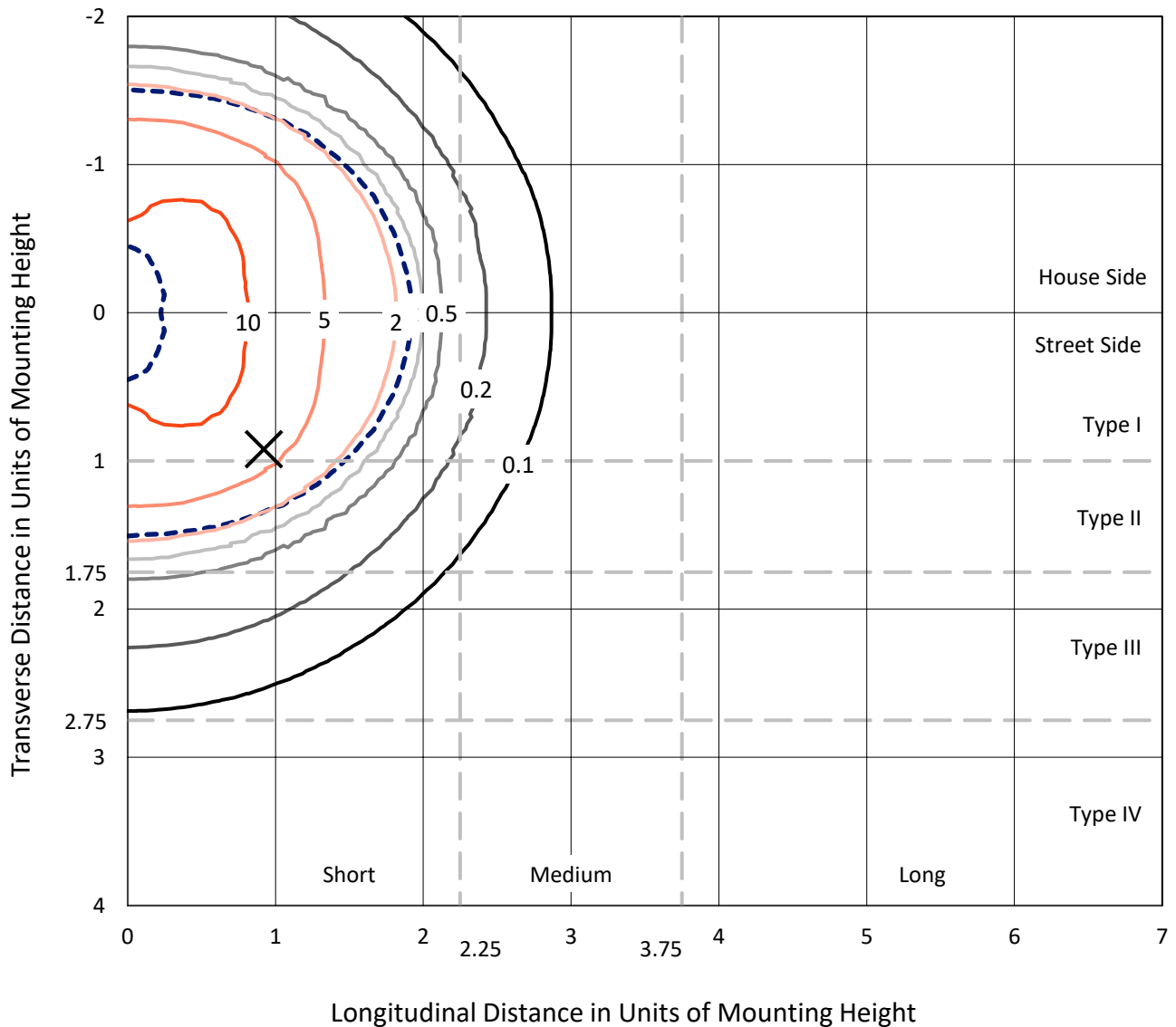
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

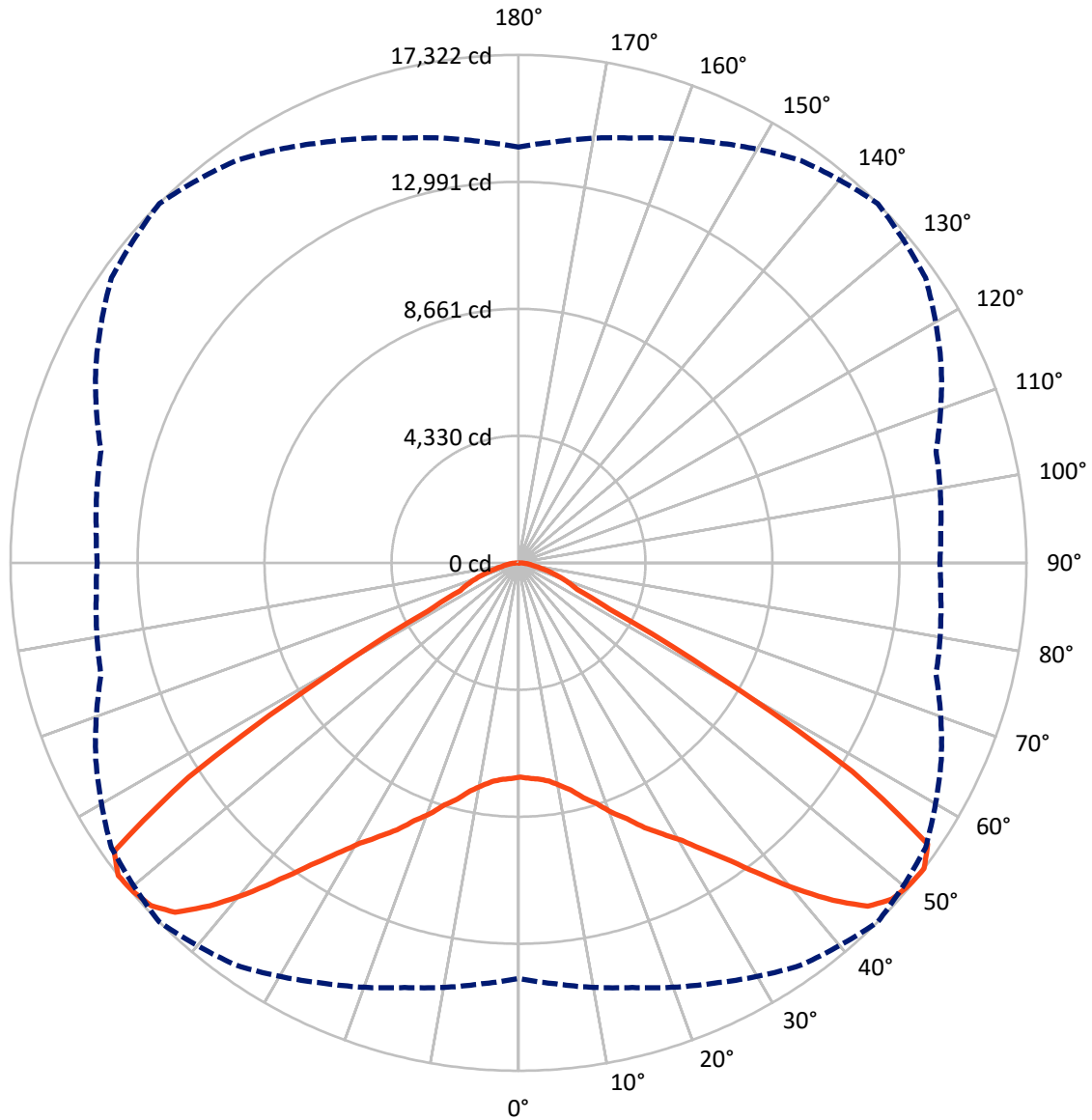
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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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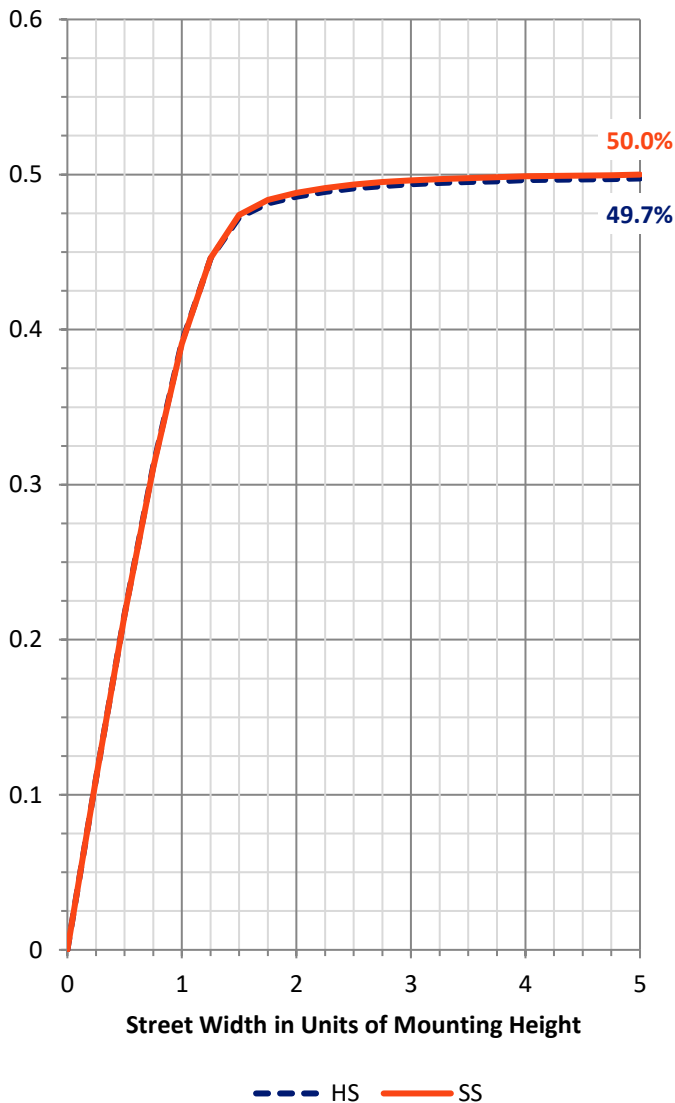
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21863.7	0.0	21863.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21863.7	0.0	21863.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	43727.4	0.0	43727.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	1.6
10°-20°	2359.8	5.4
20°-30°	4492.7	10.3
30°-40°	7714.3	17.6
40°-50°	11857.1	27.1
50°-60°	12040.6	27.5
60°-70°	3355.6	7.7
70°-80°	989.9	2.3
80°-90°	199.4	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°	43727.4	100.0
0°-180°	43727.4	100.0

Coefficient of Utilization



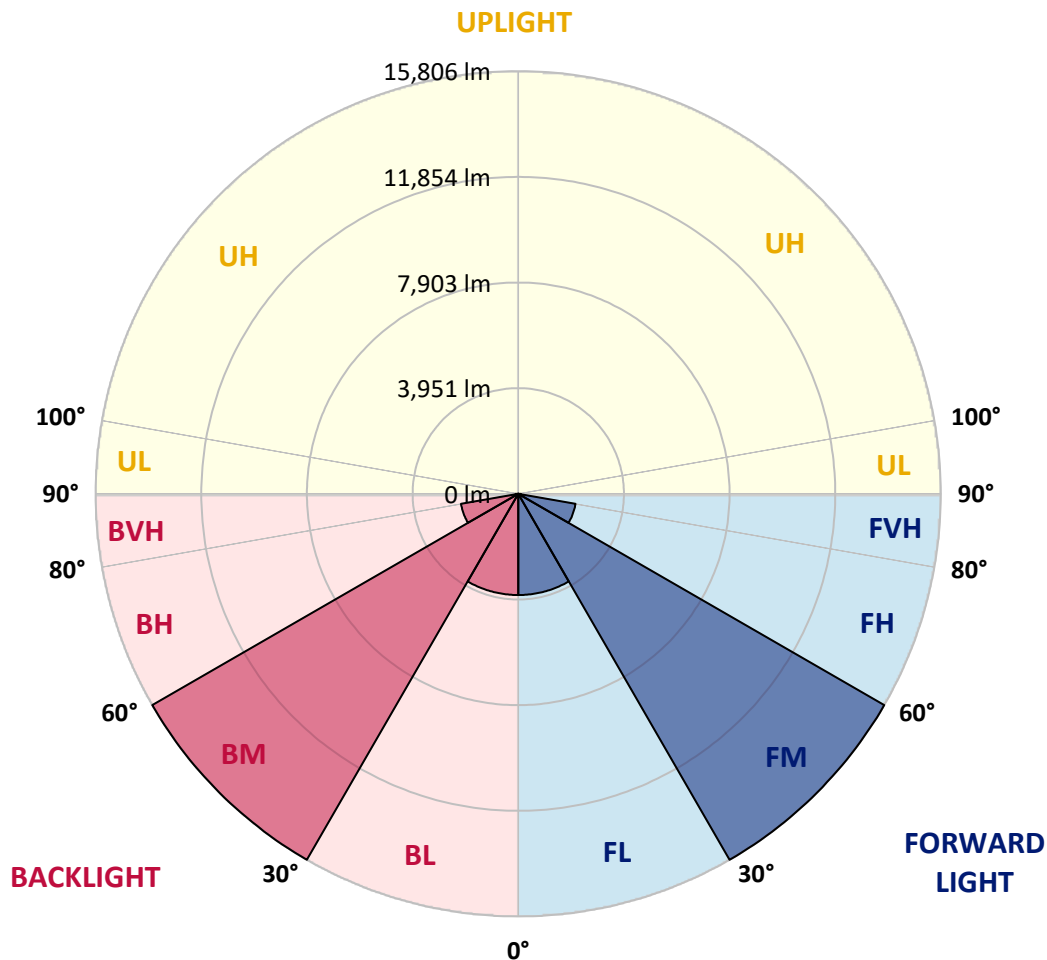
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3785.3	8.7			
FM (30°-60°)	15806.0	36.1			
FH (60°-80°)	2172.7	5.0			G2/5000
FVH (80°-90°)	99.7	0.2			G1/100
BL (0°-30°)	3785.3	8.7	B4/5000		
BM (30°-60°)	15806.0	36.1	B5		
BH (60°-80°)	2172.7	5.0	B3/2500		G2/5000
BVH (80°-90°)	99.7	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°	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6	7309.6
2.5°	7325.9	7250.0	7277.0	7293.3	7363.9	7358.5	7342.2	7363.9	7385.6	7391.1	7380.2
5°	7320.5	7266.2	7287.9	7304.2	7374.8	7412.7	7401.9	7494.1	7559.2	7543.0	7624.4
7.5°	7277.0	7309.6	7282.4	7363.9	7423.5	7515.9	7613.5	7700.3	7781.7	7874.0	7890.3
10°	7374.8	7374.8	7423.5	7488.7	7646.1	7716.6	7857.7	7982.5	8139.9	8248.4	8205.0
12.5°	7477.8	7494.1	7494.1	7662.4	7792.6	7950.0	8080.2	8248.4	8470.9	8601.2	8666.2
15°	7580.9	7591.8	7646.1	7874.0	8069.4	8319.0	8438.3	8590.3	8715.1	8959.3	8964.7
17.5°	7673.2	7732.9	7895.7	8150.7	8394.9	8633.7	8823.6	8981.0	9089.5	9187.3	9165.5
20°	8020.5	8063.9	8232.1	8487.2	8850.8	9084.1	9149.2	9176.4	9246.9	9442.3	9382.5
22.5°	8357.0	8373.2	8530.6	8921.3	9176.4	9485.7	9556.2	9539.9	9567.1	9615.9	9702.7
25°	8704.2	8731.4	8948.4	9279.5	9637.6	10006.7	10066.3	9941.5	9903.5	9957.8	9963.2
27.5°	9149.2	9154.7	9431.4	9719.0	10126.0	10473.3	10565.6	10467.9	10288.8	10332.2	10402.8
30°	9713.6	9675.6	9952.4	10364.8	10793.5	10988.9	11146.2	11097.4	10902.0	10864.0	10804.3
32.5°	10364.8	10375.6	10625.2	11075.7	11357.9	11683.5	11851.6	11770.3	11645.5	11580.3	11618.3
35°	11281.9	11330.7	11498.9	11873.4	12329.2	12492.0	12757.9	12584.2	12258.6	12340.1	12410.6
37.5°	12036.2	12177.3	12492.0	12937.0	13208.3	13506.8	13604.5	13371.1	13132.3	13034.7	13268.0
40°	13192.1	13148.6	13495.9	13940.9	14342.4	14640.9	14516.1	14282.8	13691.3	13696.7	13761.9
42.5°	14185.1	14206.8	14472.7	15004.6	15552.6	15737.1	15340.9	14771.1	14114.6	14044.0	14185.1
45°	15020.8	15107.6	15259.6	15970.5	16507.7	16708.4	15975.9	15303.0	14423.9	14130.8	14364.2
47.5°	15319.2	15460.3	15791.4	16442.5	16974.3	17137.1	16551.1	15585.1	14711.5	14233.9	14358.7
50°	15362.7	15313.8	15856.5	16453.4	16920.1	17272.8	16757.3	15791.4	14640.9	14391.3	14353.3
52.5°	14174.3	14413.0	14993.7	15813.1	16757.3	17321.7	16941.8	15905.3	14738.6	14456.5	14364.2
55°	11471.8	11189.6	12247.8	13626.2	15362.7	16931.0	16876.7	15965.1	14798.3	14565.0	14440.2
57.5°	6403.4	6484.8	7081.7	8579.4	10820.6	13425.4	15004.6	15335.5	14771.1	14635.5	14700.6
60°	2963.0	2990.0	3245.1	3945.1	5334.3	7613.5	9691.9	11802.9	12774.2	12969.5	12969.5
62.5°	2208.6	2197.8	2262.9	2387.7	2680.8	3500.2	4672.3	6349.1	7684.0	8617.4	8861.6
65°	1997.0	1991.6	2024.1	2067.5	2089.2	2203.2	2463.7	2979.2	3413.3	3663.0	3619.5
67.5°	1747.3	1741.9	1752.8	1779.9	1817.9	1877.6	1942.7	2051.2	2203.2	2192.3	2165.2
70°	1410.9	1410.9	1427.2	1448.9	1492.3	1562.9	1638.8	1714.8	1845.1	1872.2	1866.8
72.5°	1041.9	1025.7	1058.1	1101.6	1145.0	1231.8	1313.2	1383.8	1476.0	1503.2	1492.3
75°	662.0	672.9	694.6	743.5	819.4	879.1	965.9	1025.7	1085.3	1107.0	1112.5
77.5°	369.0	379.8	417.8	477.6	553.5	618.6	694.6	743.5	781.4	786.8	792.3
80°	222.5	227.9	265.9	320.2	385.3	455.9	515.5	564.4	597.0	580.7	575.2
82.5°	135.7	141.1	173.7	222.5	276.8	331.1	396.1	439.6	472.1	450.4	428.7
85°	70.5	76.0	103.1	135.7	179.1	206.2	206.2	184.5	179.1	168.2	162.8
87.5°	21.7	21.7	27.2	32.6	27.2	32.6	38.0	43.4	43.4	48.9	43.4
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)