

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: P531246

Luminaire Tested: **GALN-SA6C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531246
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-SA6C-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 34030 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

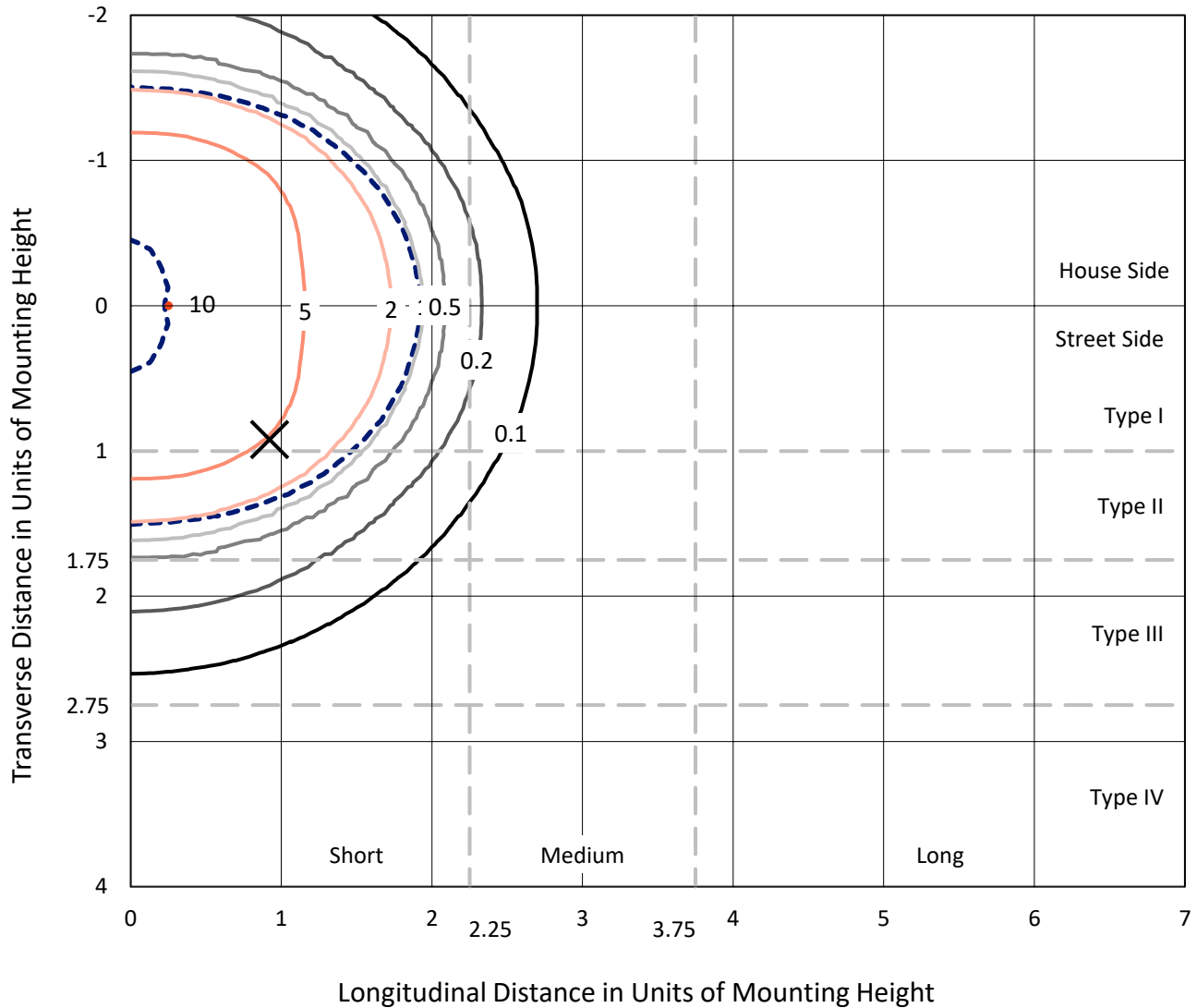
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

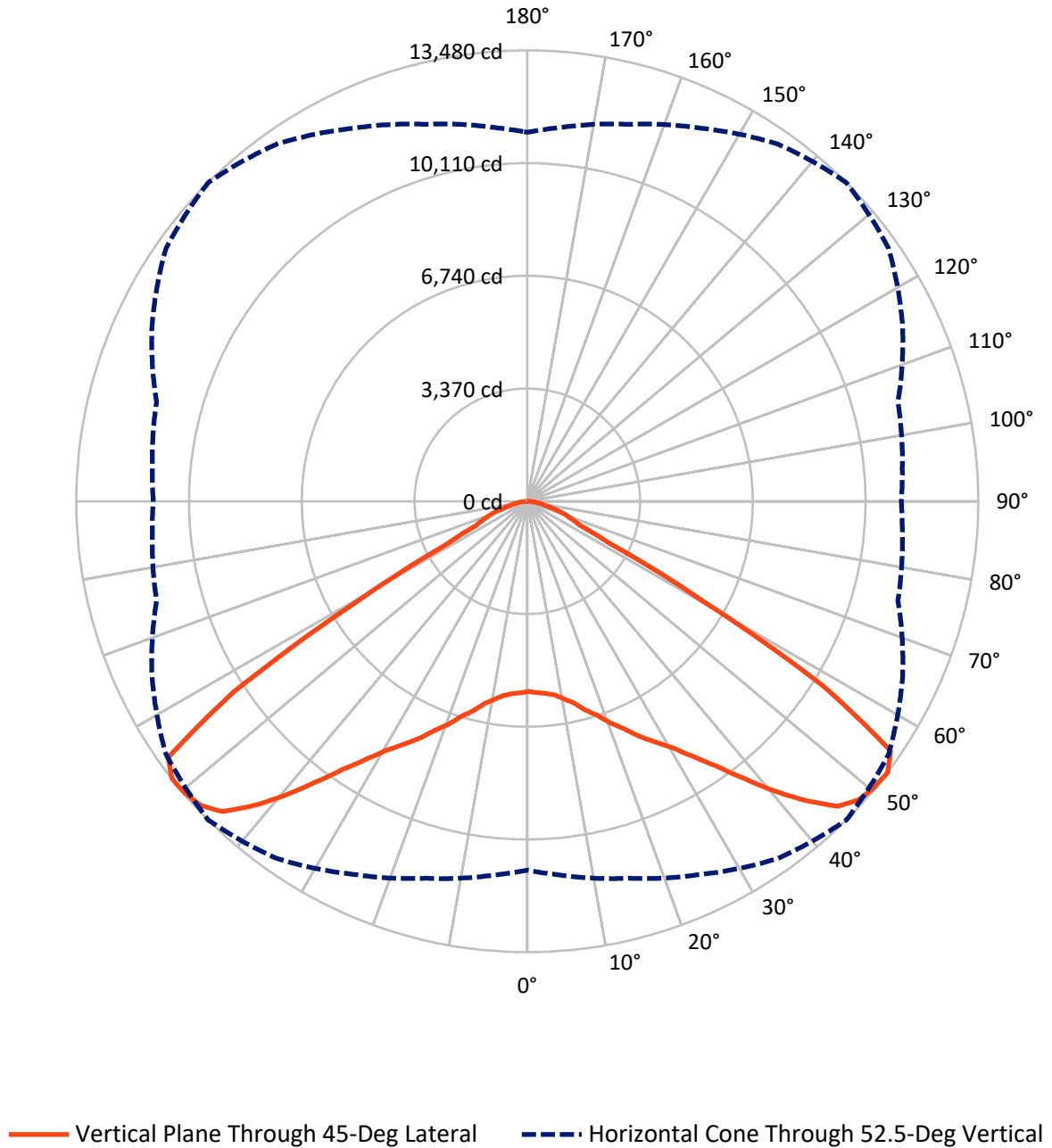
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot





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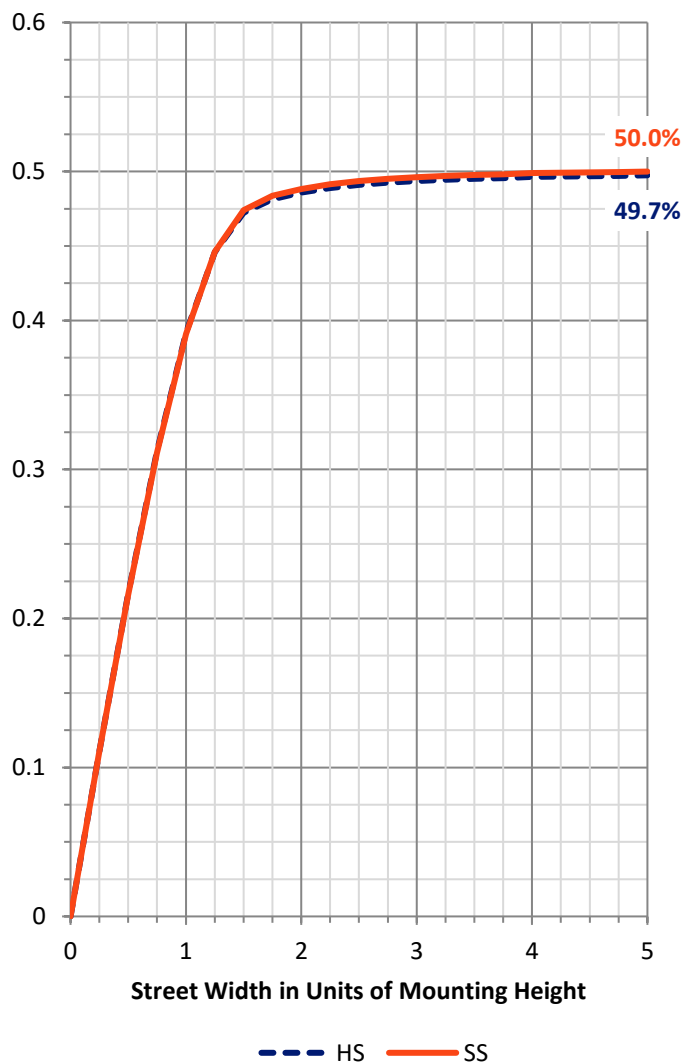
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17015.0	0.0	17015.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17015.0	0.0	17015.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34030.0	0.0	34030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.9	1.6
10°-20°	1836.5	5.4
20°-30°	3496.4	10.3
30°-40°	6003.5	17.6
40°-50°	9227.5	27.1
50°-60°	9370.4	27.5
60°-70°	2611.4	7.7
70°-80°	770.3	2.3
80°-90°	155.2	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°	34030.0	100.0
0°-180°	34030.0	100.0

Coefficient of Utilization



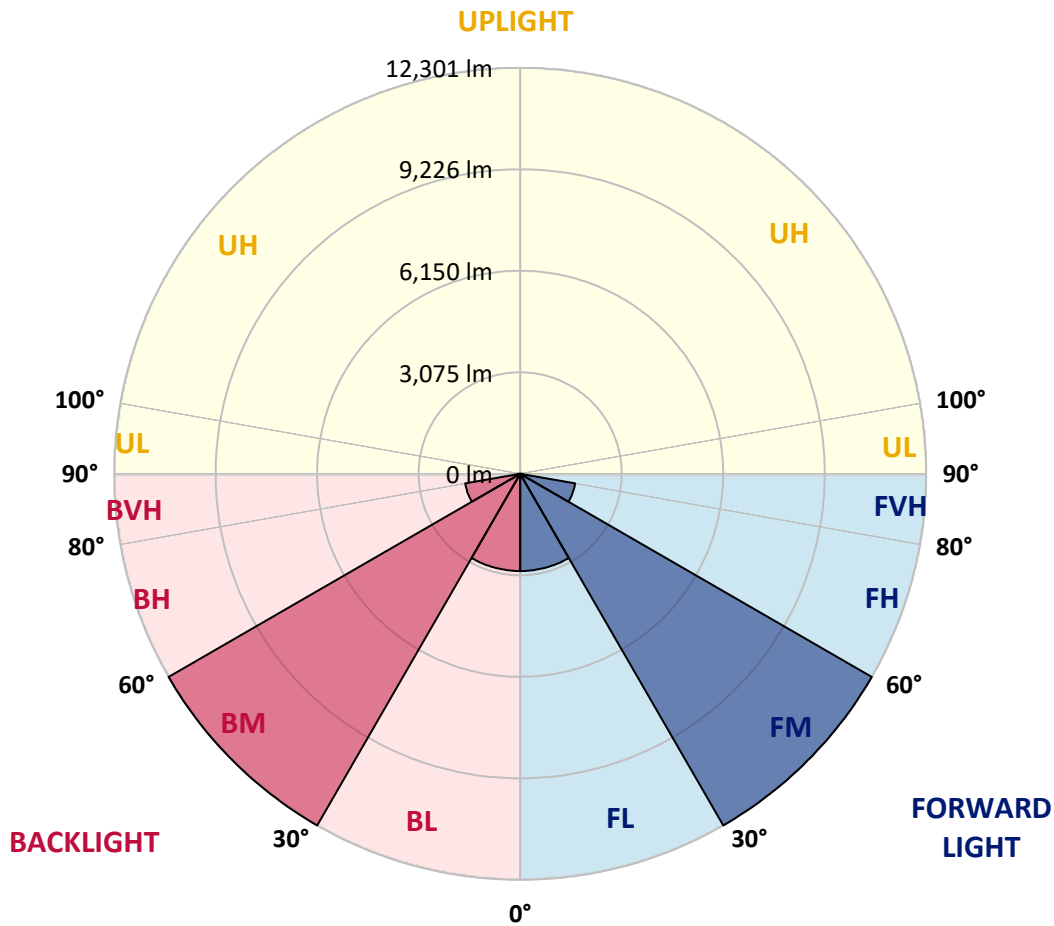
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2945.8	8.7			
FM (30°-60°)	12300.7	36.1			
FH (60°-80°)	1690.9	5.0			G1/1800
FVH (80°-90°)	77.6	0.2			G1/100
BL (0°-30°)	2945.8	8.7	B4/5000		
BM (30°-60°)	12300.7	36.1	B5		
BH (60°-80°)	1690.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.6	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°	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6	5688.6
2.5°	5701.2	5642.1	5663.2	5675.9	5730.8	5726.6	5713.9	5730.8	5747.7	5751.9	5743.5
5°	5697.0	5654.8	5671.7	5684.3	5739.2	5768.8	5760.4	5832.1	5882.8	5870.2	5933.5
7.5°	5663.2	5688.6	5667.4	5730.8	5777.2	5849.0	5925.1	5992.6	6056.0	6127.8	6140.4
10°	5739.2	5739.2	5777.2	5827.9	5950.4	6005.3	6115.1	6212.2	6334.7	6419.2	6385.4
12.5°	5819.5	5832.1	5832.1	5963.1	6064.4	6186.9	6288.2	6419.2	6592.3	6693.7	6744.3
15°	5899.7	5908.2	5950.4	6127.8	6279.8	6474.1	6567.0	6685.2	6782.4	6972.4	6976.6
17.5°	5971.5	6018.0	6144.7	6343.1	6533.2	6719.0	6866.8	6989.3	7073.8	7149.8	7132.9
20°	6241.8	6275.6	6406.5	6605.0	6887.9	7069.5	7120.2	7141.3	7196.2	7348.3	7301.8
22.5°	6503.6	6516.3	6638.8	6942.8	7141.3	7382.0	7436.9	7424.3	7445.4	7483.4	7551.0
25°	6773.9	6795.0	6963.9	7221.6	7500.3	7787.5	7833.9	7736.8	7707.2	7749.5	7753.7
27.5°	7120.2	7124.4	7339.8	7563.6	7880.4	8150.7	8222.4	8146.4	8007.1	8040.8	8095.7
30°	7559.4	7529.8	7745.2	8066.2	8399.8	8551.8	8674.3	8636.3	8484.3	8454.7	8408.3
32.5°	8066.2	8074.6	8268.9	8619.4	8839.0	9092.4	9223.3	9160.0	9062.8	9012.2	9041.7
35°	8779.9	8817.9	8948.8	9240.2	9595.0	9721.7	9928.6	9793.5	9540.1	9603.4	9658.3
37.5°	9366.9	9476.7	9721.7	10068.0	10279.1	10511.4	10587.4	10405.8	10220.0	10144.0	10325.6
40°	10266.4	10232.7	10502.9	10849.2	11161.7	11394.0	11296.9	11115.3	10655.0	10659.2	10709.9
42.5°	11039.3	11056.2	11263.1	11677.0	12103.5	12247.1	11938.8	11495.4	10984.4	10929.5	11039.3
45°	11689.6	11757.2	11875.5	12428.7	12846.8	13003.0	12432.9	11909.2	11225.1	10997.0	11178.6
47.5°	11921.9	12031.7	12289.3	12796.1	13210.0	13336.7	12880.6	12128.8	11448.9	11077.3	11174.4
50°	11955.7	11917.7	12340.0	12804.5	13167.7	13442.2	13041.0	12289.3	11394.0	11199.8	11170.2
52.5°	11030.8	11216.6	11668.5	12306.2	13041.0	13480.2	13184.6	12378.0	11470.0	11250.4	11178.6
55°	8927.7	8708.1	9531.6	10604.3	11955.7	13176.2	13134.0	12424.5	11516.5	11334.9	11237.8
57.5°	4983.3	5046.6	5511.2	6676.8	8420.9	10448.0	11677.0	11934.6	11495.4	11389.8	11440.5
60°	2305.8	2326.9	2525.4	3070.2	4151.3	5925.1	7542.5	9185.3	9941.3	10093.3	10093.3
62.5°	1718.8	1710.4	1761.0	1858.2	2086.2	2723.9	3636.1	4941.1	5980.0	6706.3	6896.4
65°	1554.1	1549.9	1575.2	1609.0	1625.9	1714.6	1917.3	2318.5	2656.4	2850.6	2816.8
67.5°	1359.8	1355.6	1364.1	1385.2	1414.8	1461.2	1511.9	1596.3	1714.6	1706.1	1685.0
70°	1098.0	1098.0	1110.7	1127.6	1161.4	1216.3	1275.4	1334.5	1435.9	1457.0	1452.8
72.5°	810.8	798.2	823.5	857.3	891.1	958.7	1022.0	1076.9	1148.7	1169.8	1161.4
75°	515.2	523.7	540.6	578.6	637.7	684.1	751.7	798.2	844.6	861.5	865.7
77.5°	287.2	295.6	325.2	371.6	430.8	481.4	540.6	578.6	608.1	612.4	616.6
80°	173.1	177.4	206.9	249.2	299.8	354.7	401.2	439.2	464.5	451.9	447.7
82.5°	105.6	109.8	135.1	173.1	215.4	257.6	308.3	342.1	367.4	350.5	333.6
85°	54.9	59.1	80.2	105.6	139.4	160.5	160.5	143.6	139.4	130.9	126.7
87.5°	16.9	16.9	21.1	25.3	21.1	25.3	29.6	33.8	33.8	38.0	33.8
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)