

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: P531480

Luminaire Tested: **GALN-SA6D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531480
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-SA6D-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA 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: 37444 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

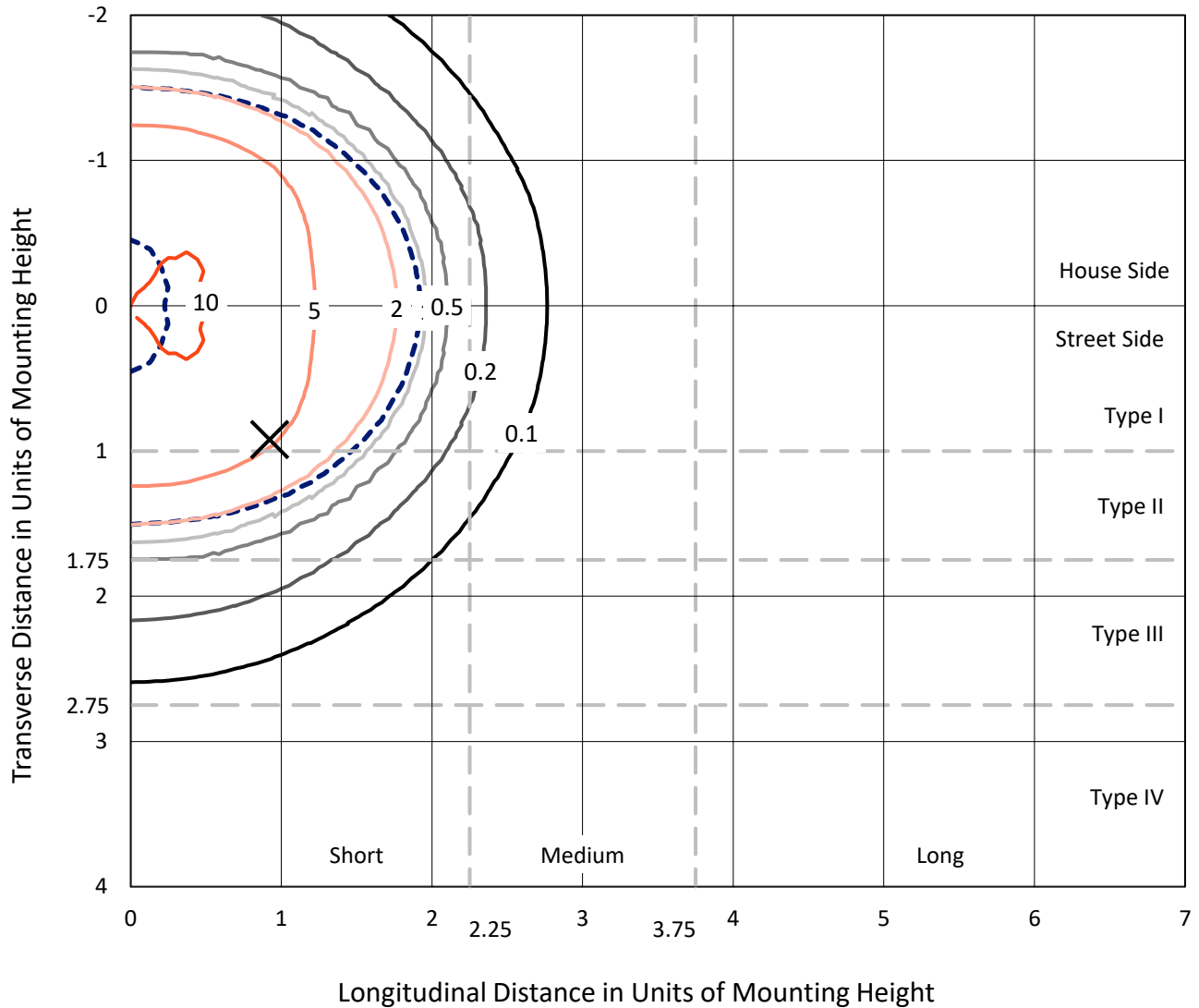
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

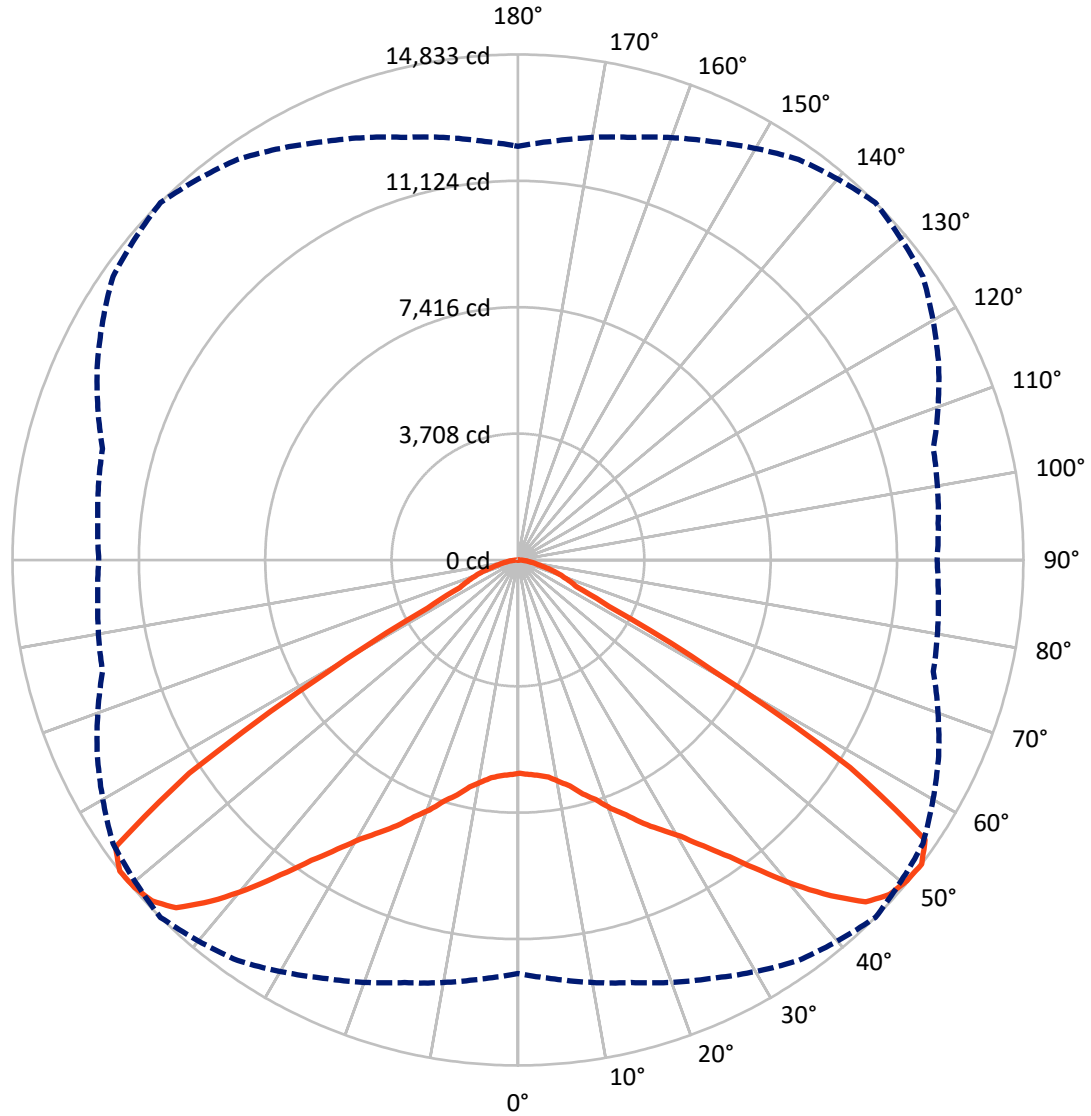
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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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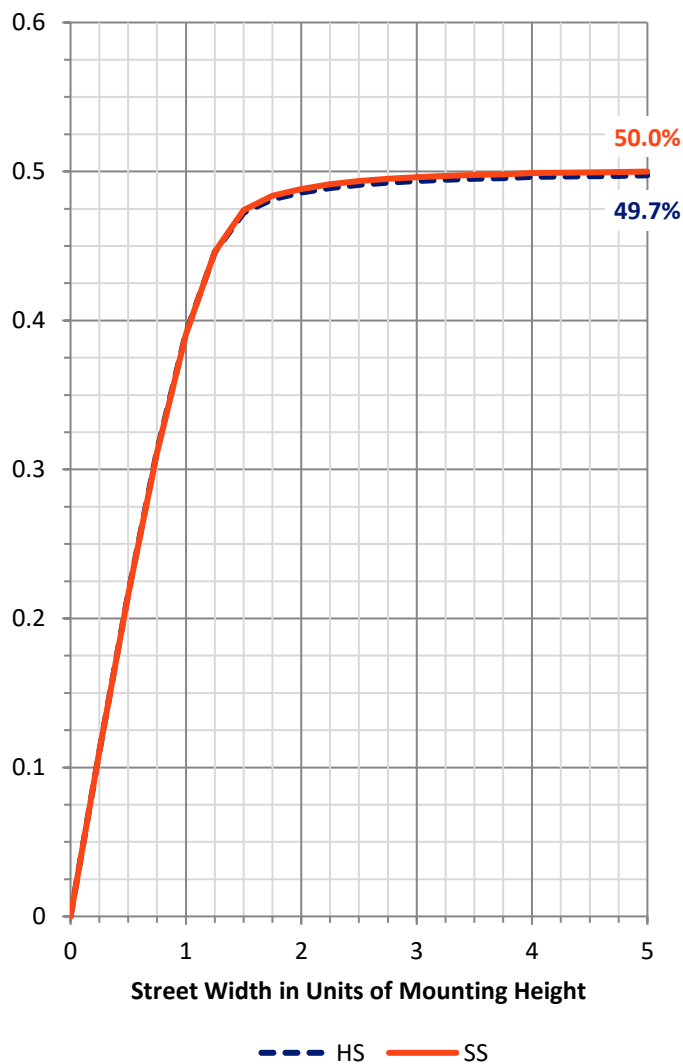
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18722.0	0.0	18722.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18722.0	0.0	18722.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37444.0	0.0	37444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.0	1.6
10°-20°	2020.7	5.4
20°-30°	3847.1	10.3
30°-40°	6605.8	17.6
40°-50°	10153.3	27.1
50°-60°	10310.5	27.5
60°-70°	2873.4	7.7
70°-80°	847.6	2.3
80°-90°	170.7	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°	37444.0	100.0
0°-180°	37444.0	100.0

Coefficient of Utilization



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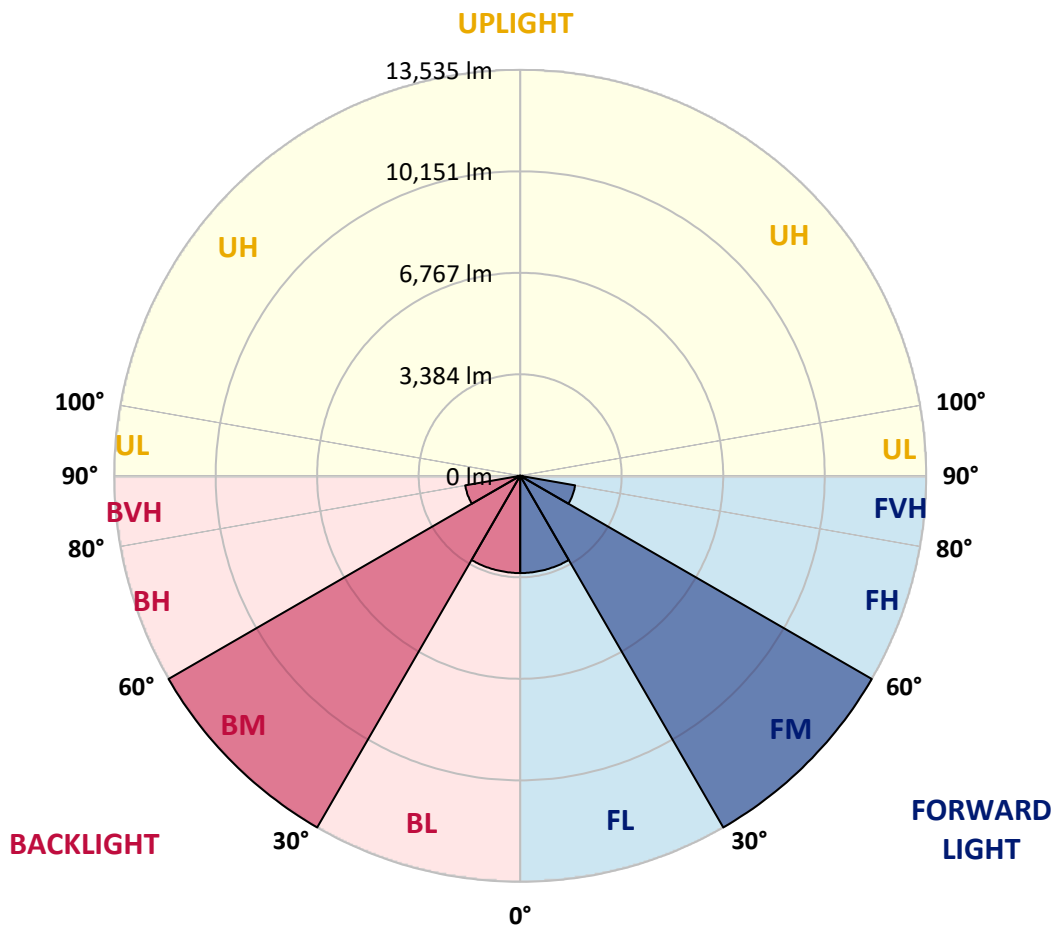
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3241.4	8.7			
FM (30°-60°)	13534.7	36.1			
FH (60°-80°)	1860.5	5.0			G2/5000
FVH (80°-90°)	85.4	0.2			G1/100
BL (0°-30°)	3241.4	8.7	B4/5000		
BM (30°-60°)	13534.7	36.1	B5		
BH (60°-80°)	1860.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	85.4	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°	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3	6259.3
2.5°	6273.2	6208.1	6231.4	6245.3	6305.7	6301.1	6287.1	6305.7	6324.3	6329.0	6319.7
5°	6268.6	6222.1	6240.7	6254.6	6315.0	6347.5	6338.3	6417.2	6473.0	6459.1	6528.8
7.5°	6231.4	6259.3	6236.0	6305.7	6356.8	6435.8	6519.5	6593.8	6663.5	6742.5	6756.5
10°	6315.0	6315.0	6356.8	6412.6	6547.4	6607.8	6728.6	6835.5	6970.2	7063.2	7026.0
12.5°	6403.3	6417.2	6417.2	6561.3	6672.8	6807.6	6919.1	7063.2	7253.7	7365.2	7421.0
15°	6491.6	6500.9	6547.4	6742.5	6909.8	7123.6	7225.8	7355.9	7462.8	7671.9	7676.5
17.5°	6570.6	6621.7	6761.1	6979.5	7188.6	7393.1	7555.7	7690.5	7783.4	7867.1	7848.5
20°	6868.0	6905.2	7049.2	7267.6	7579.0	7778.8	7834.5	7857.8	7918.2	8085.5	8034.3
22.5°	7156.1	7170.0	7304.8	7639.4	7857.8	8122.6	8183.0	8169.1	8192.3	8234.2	8308.5
25°	7453.5	7476.7	7662.6	7946.1	8252.7	8568.7	8619.8	8513.0	8480.4	8526.9	8531.5
27.5°	7834.5	7839.2	8076.2	8322.4	8671.0	8968.4	9047.3	8963.7	8810.4	8847.5	8907.9
30°	8317.8	8285.3	8522.3	8875.4	9242.5	9409.8	9544.6	9502.7	9335.4	9302.9	9251.8
32.5°	8875.4	8884.7	9098.5	9484.1	9725.8	10004.6	10148.6	10078.9	9972.1	9916.3	9948.8
35°	9660.7	9702.5	9846.6	10167.2	10557.6	10697.0	10924.7	10776.0	10497.2	10566.9	10627.3
37.5°	10306.6	10427.4	10697.0	11078.0	11310.3	11565.9	11649.6	11449.7	11245.3	11161.6	11361.5
40°	11296.4	11259.2	11556.6	11937.7	12281.5	12537.1	12430.2	12230.4	11723.9	11728.6	11784.3
42.5°	12146.8	12165.4	12393.1	12848.4	13317.8	13475.8	13136.5	12648.6	12086.4	12026.0	12146.8
45°	12862.4	12936.7	13066.8	13675.6	14135.6	14307.5	13680.2	13104.0	12351.2	12100.3	12300.1
47.5°	13118.0	13238.8	13522.2	14079.8	14535.2	14674.6	14172.8	13345.6	12597.5	12188.6	12295.5
50°	13155.1	13113.3	13578.0	14089.1	14488.8	14790.8	14349.4	13522.2	12537.1	12323.3	12290.8
52.5°	12137.5	12341.9	12839.1	13540.8	14349.4	14832.6	14507.4	13619.8	12620.7	12379.1	12300.1
55°	9823.4	9581.7	10487.9	11668.1	13155.1	14498.1	14451.6	13670.9	12671.9	12472.0	12365.2
57.5°	5483.2	5552.9	6064.1	7346.6	9265.7	11496.2	12848.4	13131.9	12648.6	12532.5	12588.2
60°	2537.2	2560.4	2778.8	3378.2	4567.8	6519.5	8299.2	10106.8	10938.6	11105.9	11105.9
62.5°	1891.3	1882.0	1937.7	2044.6	2295.5	2997.2	4000.9	5436.8	6579.9	7379.1	7588.2
65°	1710.0	1705.4	1733.3	1770.4	1789.0	1886.6	2109.7	2551.1	2922.8	3136.6	3099.4
67.5°	1496.3	1491.6	1500.9	1524.2	1556.7	1607.8	1663.6	1756.5	1886.6	1877.3	1854.1
70°	1208.2	1208.2	1222.1	1240.7	1277.9	1338.3	1403.3	1468.4	1579.9	1603.2	1598.5
72.5°	892.2	878.2	906.1	943.3	980.5	1054.8	1124.5	1184.9	1263.9	1287.2	1277.9
75°	566.9	576.2	594.8	636.6	701.7	752.8	827.1	878.2	929.4	947.9	952.6
77.5°	316.0	325.3	357.8	408.9	474.0	529.7	594.8	636.6	669.1	673.8	678.4
80°	190.5	195.2	227.7	274.2	329.9	390.3	441.4	483.3	511.1	497.2	492.6
82.5°	116.2	120.8	148.7	190.5	237.0	283.5	339.2	376.4	404.3	385.7	367.1
85°	60.4	65.1	88.3	116.2	153.3	176.6	176.6	158.0	153.3	144.1	139.4
87.5°	18.6	18.6	23.2	27.9	23.2	27.9	32.5	37.2	37.2	41.8	37.2
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)