

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: P530076

Luminaire Tested: **GALN-SA5B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530076
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-SA5B-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 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: 23260 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

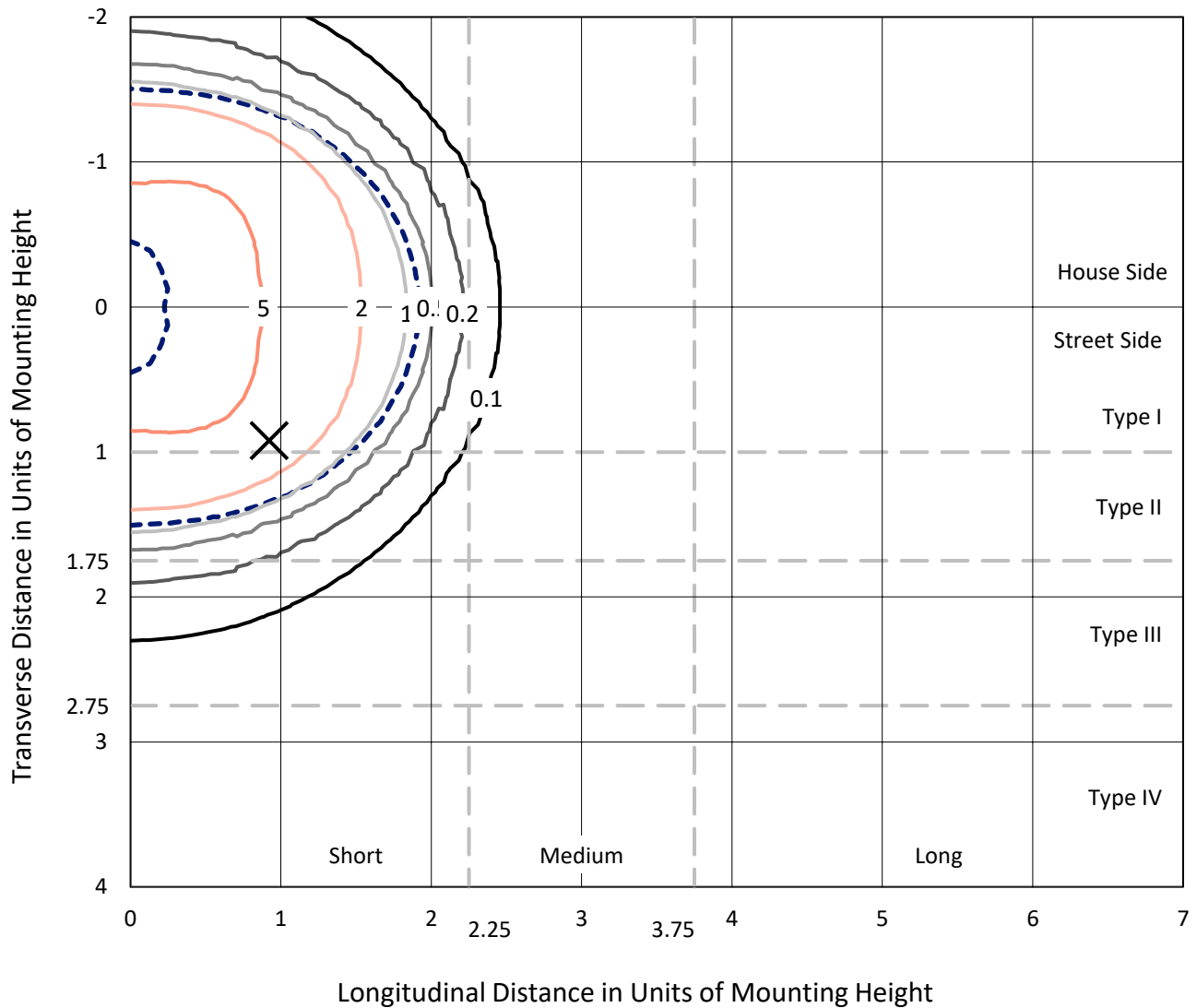
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

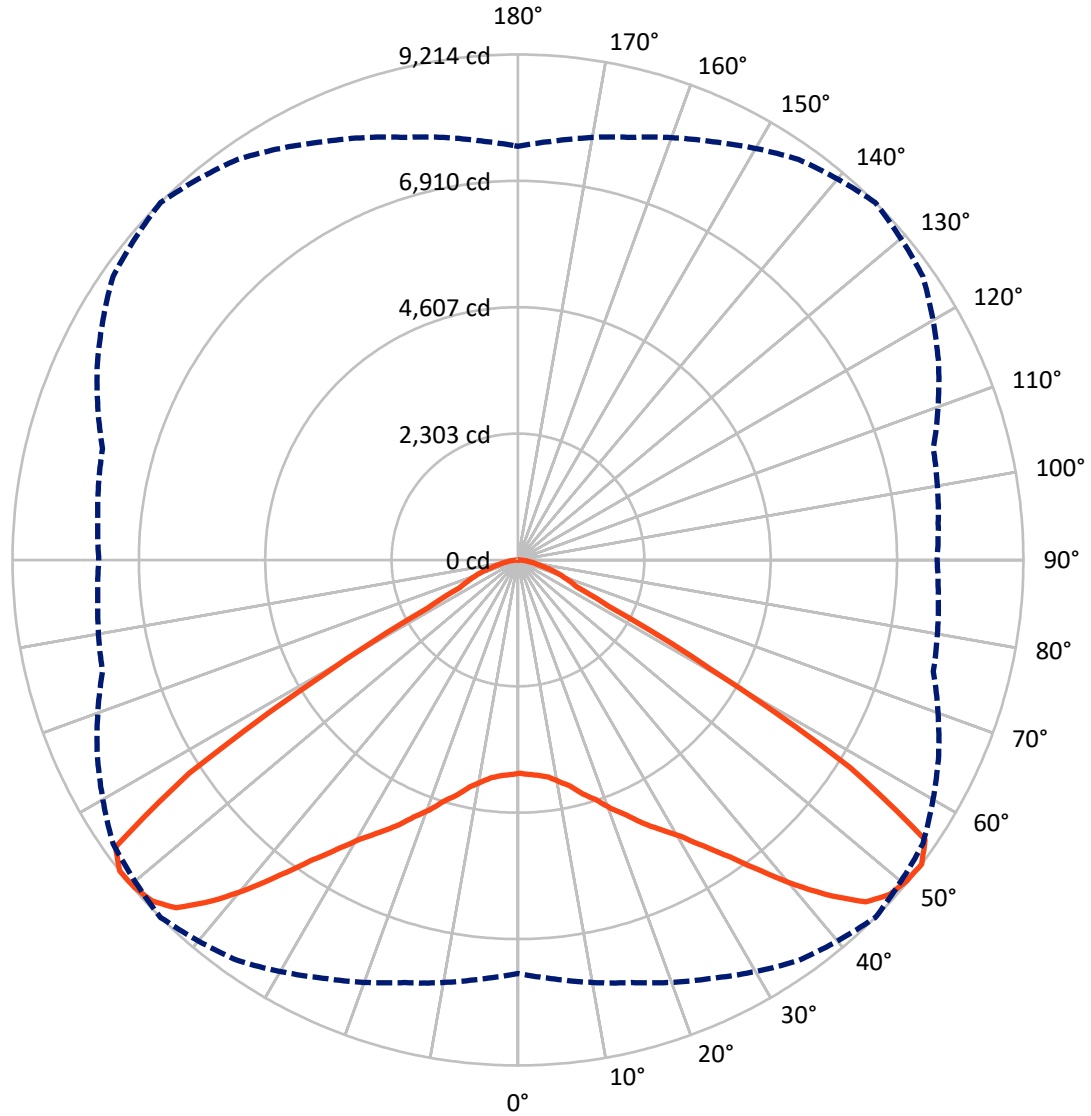
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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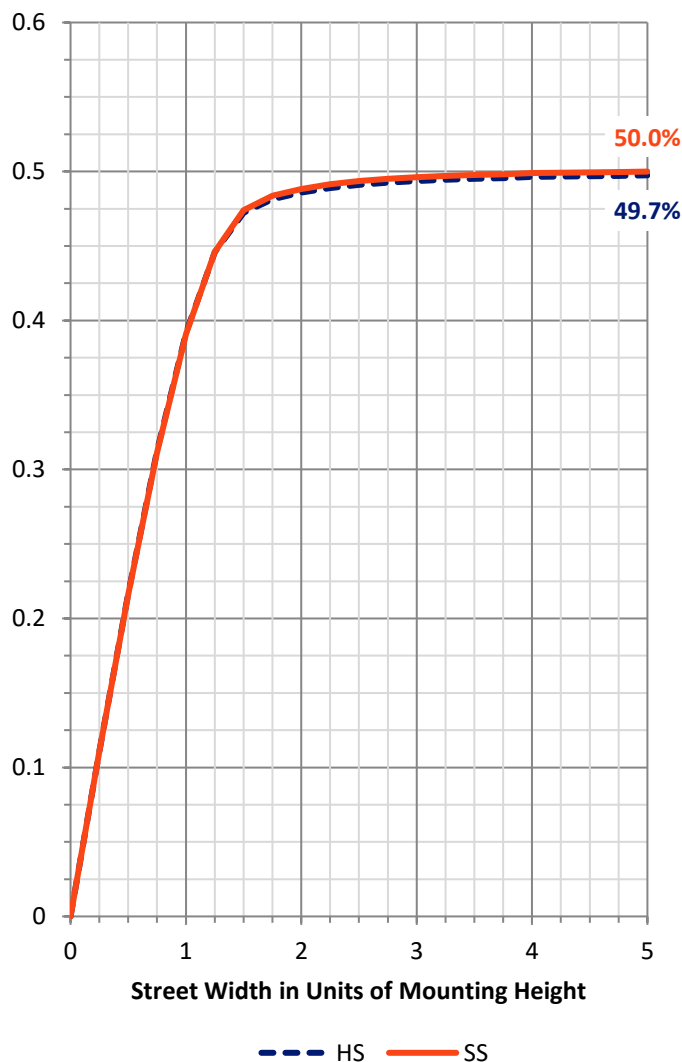
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11630.0	0.0	11630.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11630.0	0.0	11630.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23260.0	0.0	23260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.0	1.6
10°-20°	1255.2	5.4
20°-30°	2389.8	10.3
30°-40°	4103.5	17.6
40°-50°	6307.2	27.1
50°-60°	6404.8	27.5
60°-70°	1784.9	7.7
70°-80°	526.5	2.3
80°-90°	106.1	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°	23260.0	100.0
0°-180°	23260.0	100.0

Coefficient of Utilization



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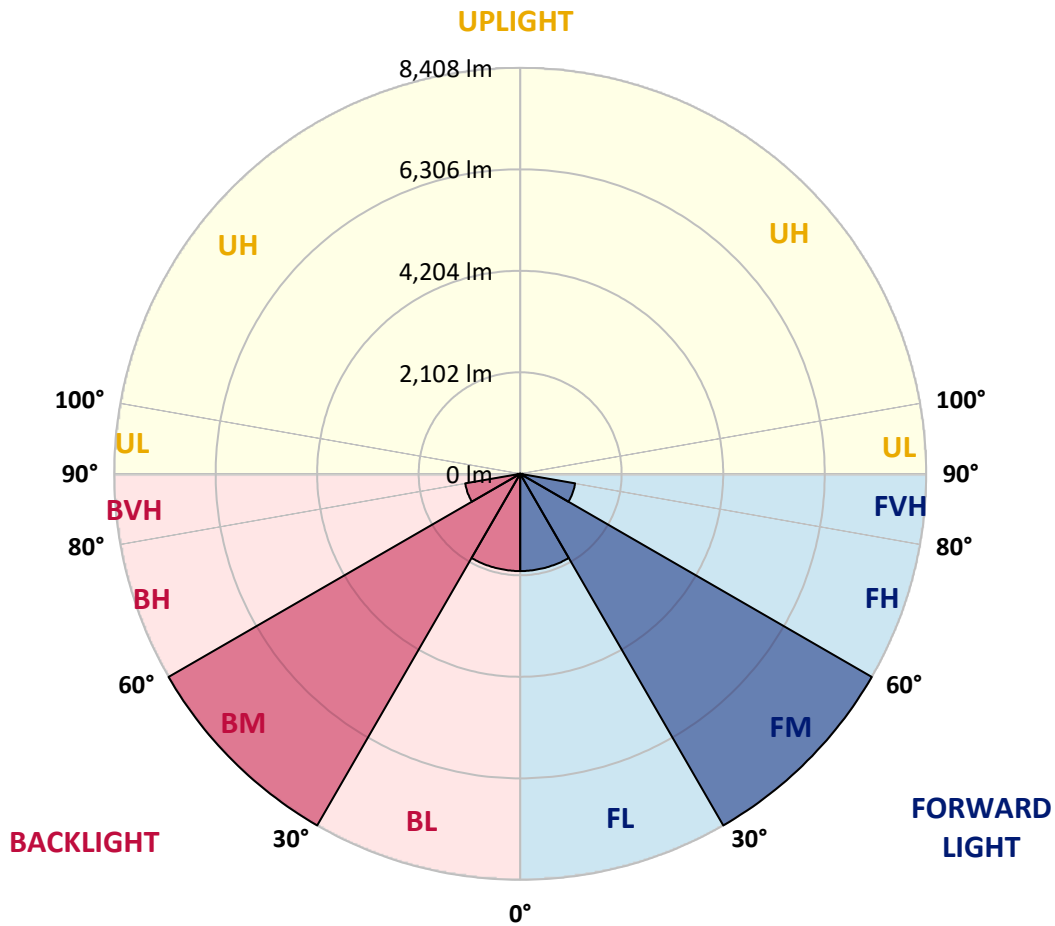
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2013.5	8.7			
FM (30°-60°)	8407.7	36.1			
FH (60°-80°)	1155.7	5.0			G1/1800
FVH (80°-90°)	53.0	0.2			G1/100
BL (0°-30°)	2013.5	8.7	B3/2500		
BM (30°-60°)	8407.7	36.1	B4/8500		
BH (60°-80°)	1155.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	53.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2	3888.2
2.5°	3896.9	3856.5	3870.9	3879.6	3917.1	3914.2	3905.5	3917.1	3928.6	3931.5	3925.7
5°	3894.0	3865.1	3876.7	3885.3	3922.9	3943.1	3937.3	3986.4	4021.0	4012.3	4055.6
7.5°	3870.9	3888.2	3873.8	3917.1	3948.8	3997.9	4049.9	4096.0	4139.3	4188.4	4197.1
10°	3922.9	3922.9	3948.8	3983.5	4067.2	4104.7	4179.8	4246.2	4329.9	4387.6	4364.5
12.5°	3977.7	3986.4	3986.4	4075.8	4145.1	4228.8	4298.1	4387.6	4505.9	4575.2	4609.9
15°	4032.5	4038.3	4067.2	4188.4	4292.3	4425.1	4488.6	4569.4	4635.8	4765.7	4768.6
17.5°	4081.6	4113.4	4200.0	4335.6	4465.5	4592.5	4693.6	4777.3	4835.0	4887.0	4875.4
20°	4266.4	4289.4	4378.9	4514.6	4708.0	4832.1	4866.8	4881.2	4918.7	5022.6	4990.9
22.5°	4445.3	4454.0	4537.7	4745.5	4881.2	5045.7	5083.3	5074.6	5089.0	5115.0	5161.2
25°	4630.1	4644.5	4760.0	4936.0	5126.6	5322.8	5354.6	5288.2	5268.0	5296.9	5299.8
27.5°	4866.8	4869.7	5016.9	5169.9	5386.3	5571.1	5620.2	5568.2	5472.9	5496.0	5533.6
30°	5167.0	5146.8	5294.0	5513.4	5741.4	5845.3	5929.0	5903.0	5799.1	5778.9	5747.2
32.5°	5513.4	5519.1	5651.9	5891.5	6041.6	6214.8	6304.3	6261.0	6194.6	6159.9	6180.2
35°	6001.2	6027.2	6116.7	6315.8	6558.3	6644.9	6786.3	6694.0	6520.8	6564.1	6601.6
37.5°	6402.4	6477.5	6644.9	6881.6	7025.9	7184.7	7236.6	7112.5	6985.5	6933.6	7057.7
40°	7017.3	6994.2	7178.9	7415.6	7629.2	7788.0	7721.6	7597.5	7282.8	7285.7	7320.4
42.5°	7545.5	7557.1	7698.5	7981.4	8272.9	8371.1	8160.3	7857.3	7508.0	7470.5	7545.5
45°	7990.0	8036.2	8117.0	8495.2	8781.0	8887.8	8498.1	8140.1	7672.5	7516.6	7640.8
47.5°	8148.8	8223.9	8399.9	8746.3	9029.2	9115.8	8804.1	8290.2	7825.5	7571.5	7637.9
50°	8171.9	8145.9	8434.6	8752.1	9000.3	9188.0	8913.7	8399.9	7788.0	7655.2	7635.0
52.5°	7539.7	7666.7	7975.6	8411.5	8913.7	9213.9	9011.9	8460.5	7839.9	7689.8	7640.8
55°	6102.2	5952.1	6515.0	7248.2	8171.9	9006.1	8977.2	8492.3	7871.7	7747.6	7681.2
57.5°	3406.2	3449.5	3767.0	4563.7	5755.8	7141.4	7981.4	8157.5	7857.3	7785.1	7819.7
60°	1576.1	1590.5	1726.2	2098.5	2837.5	4049.9	5155.4	6278.3	6795.0	6898.9	6898.9
62.5°	1174.8	1169.1	1203.7	1270.1	1426.0	1861.8	2485.3	3377.3	4087.4	4583.9	4713.8
65°	1062.3	1059.4	1076.7	1099.8	1111.3	1171.9	1310.5	1584.7	1815.7	1948.4	1925.3
67.5°	929.5	926.6	932.4	946.8	967.0	998.8	1033.4	1091.1	1171.9	1166.2	1151.7
70°	750.5	750.5	759.2	770.7	793.8	831.3	871.7	912.2	981.4	995.9	993.0
72.5°	554.2	545.6	562.9	586.0	609.1	655.3	698.6	736.1	785.1	799.6	793.8
75°	352.2	357.9	369.5	395.5	435.9	467.6	513.8	545.6	577.3	588.9	591.7
77.5°	196.3	202.1	222.3	254.0	294.4	329.1	369.5	395.5	415.7	418.6	421.4
80°	118.3	121.2	141.4	170.3	204.9	242.5	274.2	300.2	317.5	308.9	306.0
82.5°	72.2	75.1	92.4	118.3	147.2	176.1	210.7	233.8	251.1	239.6	228.0
85°	37.5	40.4	54.8	72.2	95.3	109.7	109.7	98.1	95.3	89.5	86.6
87.5°	11.5	11.5	14.4	17.3	14.4	17.3	20.2	23.1	23.1	26.0	23.1
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)