

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: P533950

Luminaire Tested: **GALN-SA9B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533950
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-SA9B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 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: 35918 lumens
Efficiency: N/A
Efficacy: 98.7 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): 364
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

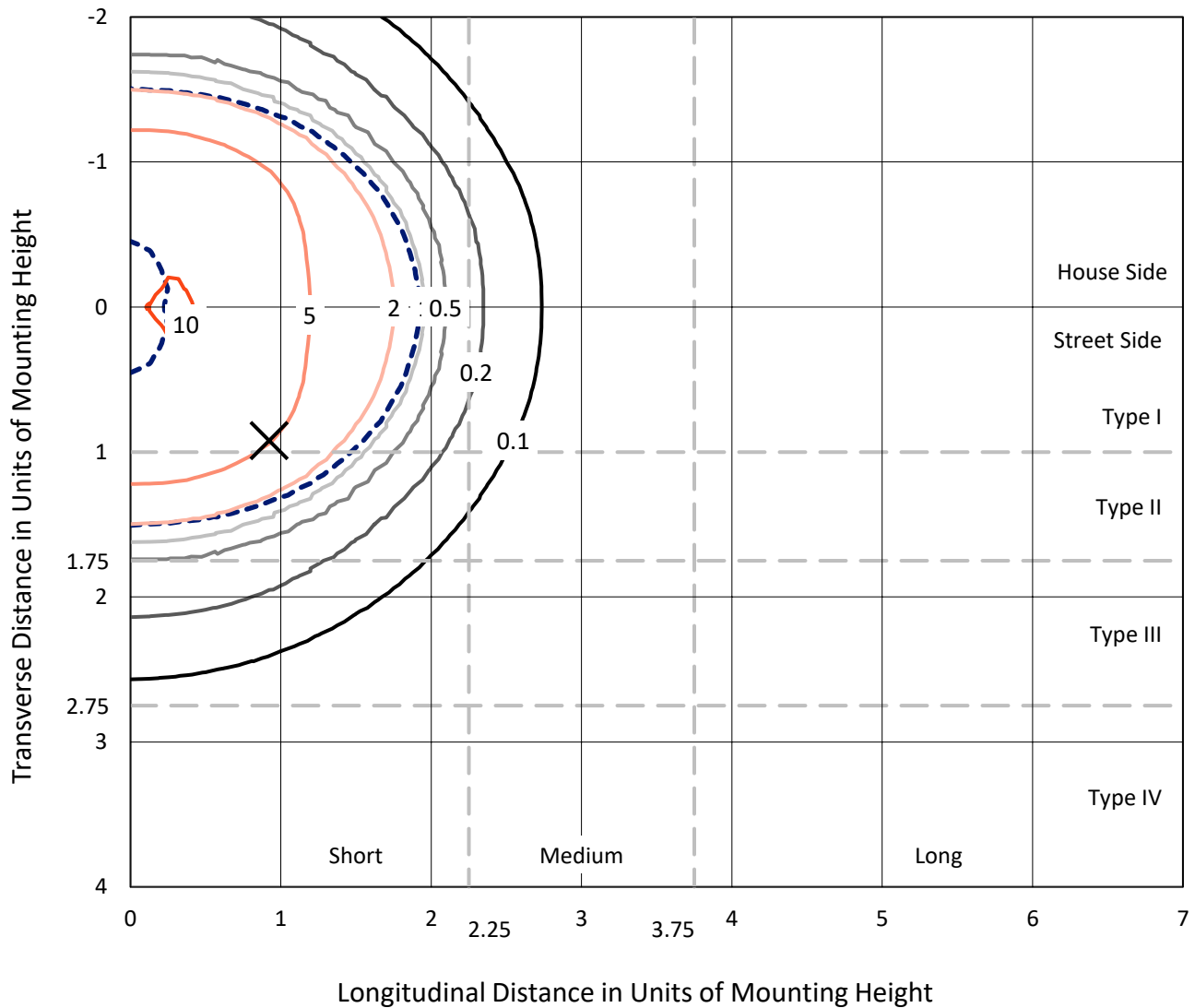


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

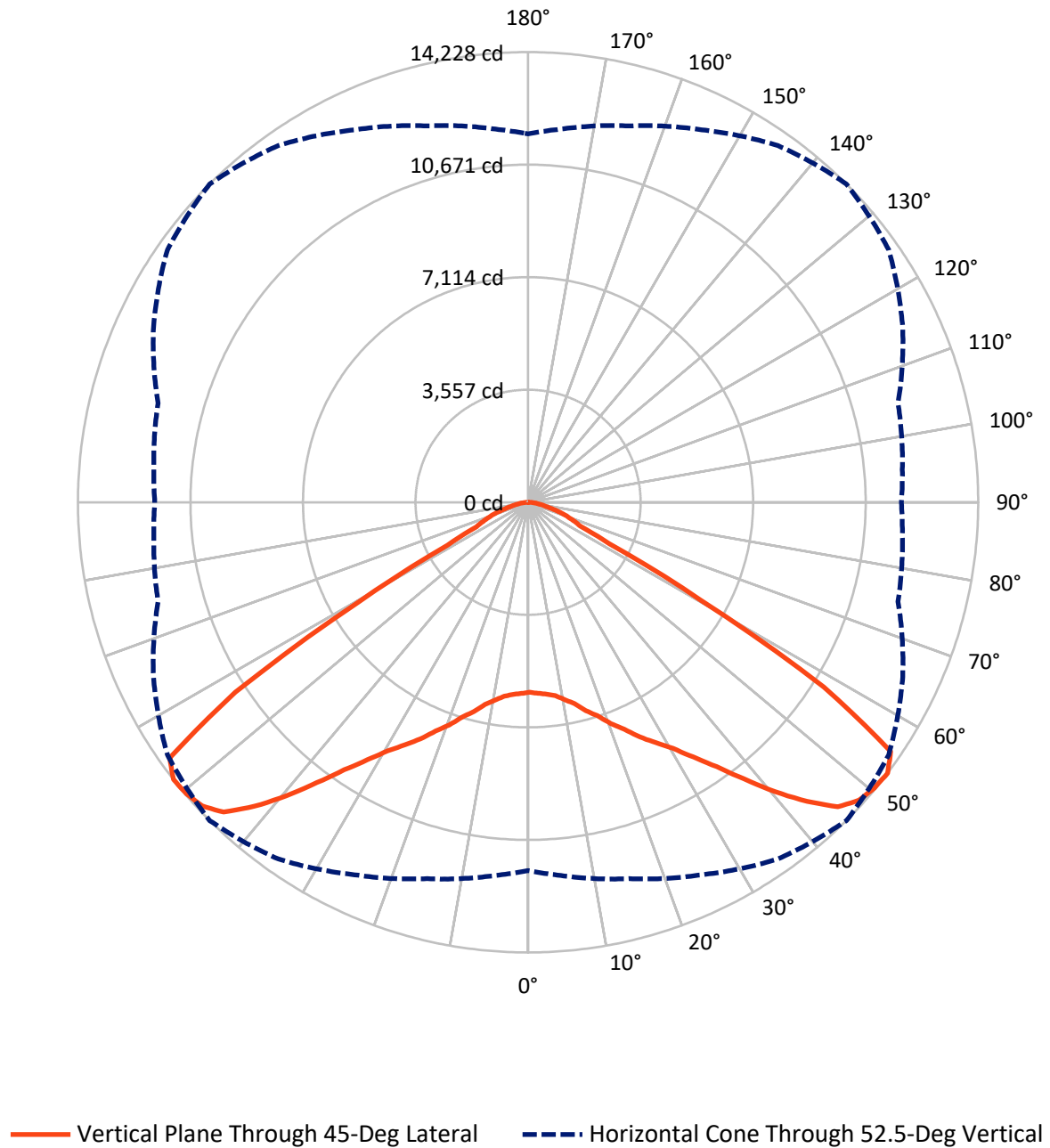


Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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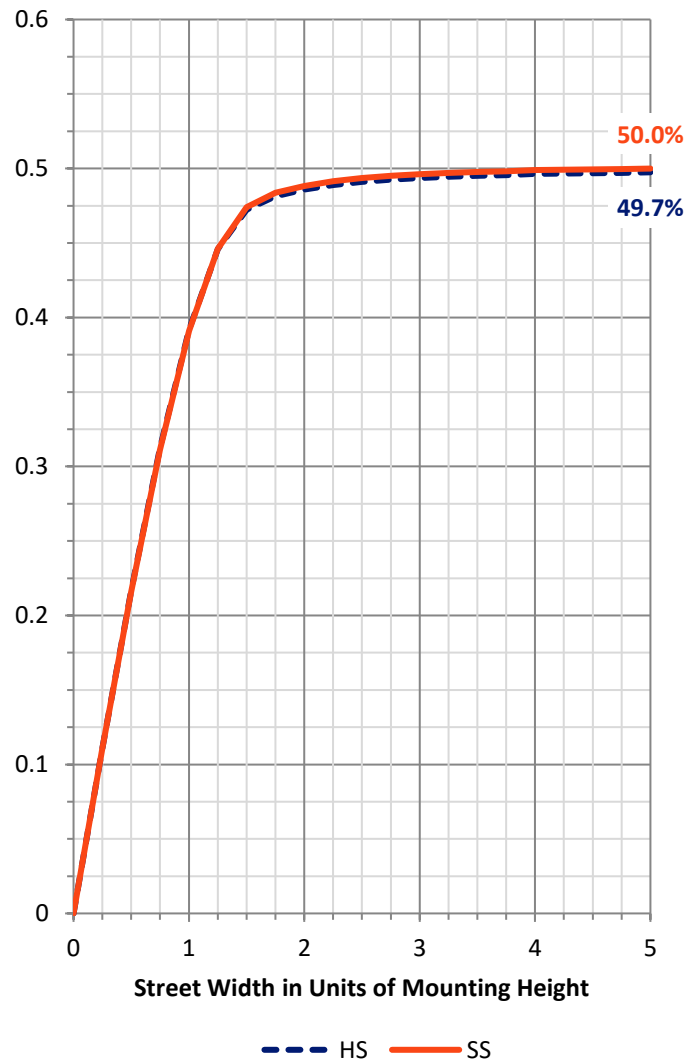
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17959.0	0.0	17959.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17959.0	0.0	17959.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35918.0	0.0	35918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	1.6
10°-20°	1938.3	5.4
20°-30°	3690.3	10.3
30°-40°	6336.6	17.6
40°-50°	9739.5	27.1
50°-60°	9890.3	27.5
60°-70°	2756.3	7.7
70°-80°	813.1	2.3
80°-90°	163.8	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°	35918.0	100.0
0°-180°	35918.0	100.0

Coefficient of Utilization



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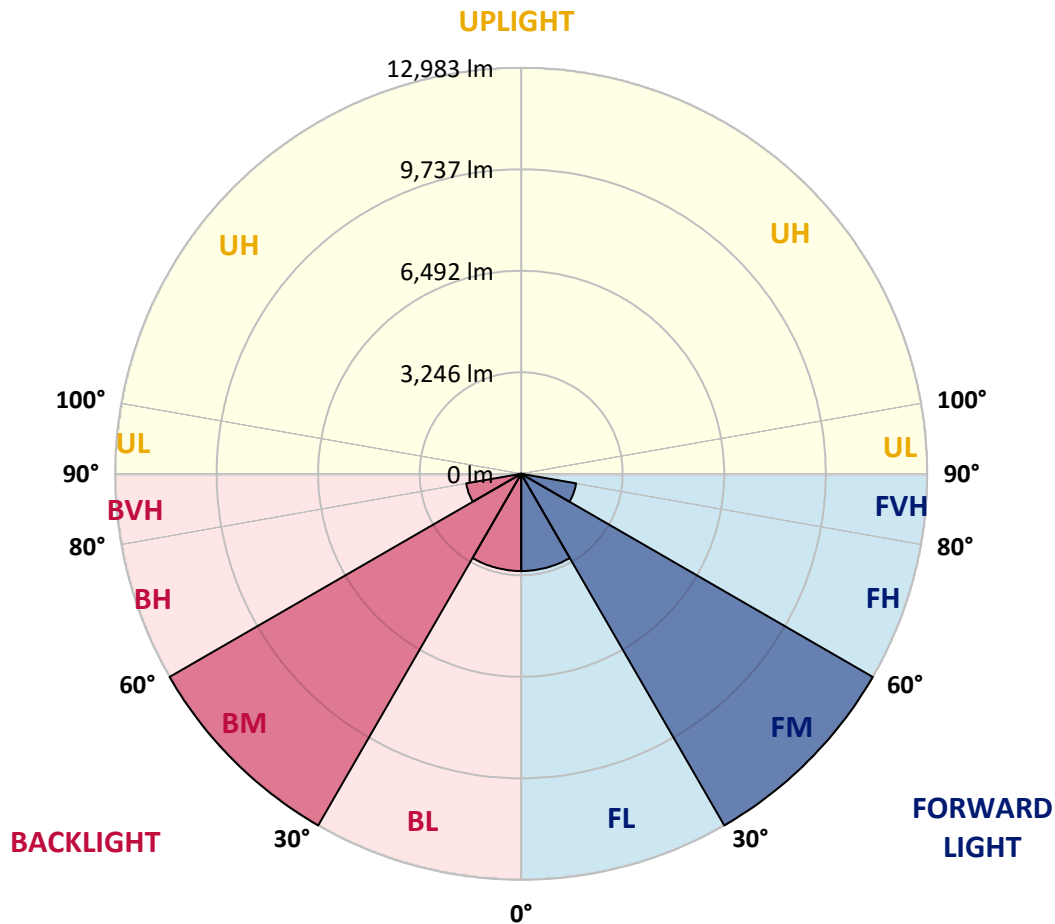
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3109.3	8.7			
FM	(30°-60°)	12983.1	36.1			
FH	(60°-80°)	1784.7	5.0			G1/1800
FVH	(80°-90°)	81.9	0.2			G1/100
BL	(0°-30°)	3109.3	8.7	B4/5000		
BM	(30°-60°)	12983.1	36.1	B5		
BH	(60°-80°)	1784.7	5.0	B3/2500		G1/1800
BVH	(80°-90°)	81.9	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°	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2	6004.2
2.5°	6017.5	5955.1	5977.4	5990.8	6048.7	6044.3	6030.9	6048.7	6066.6	6071.0	6062.1
5°	6013.1	5968.5	5986.3	5999.7	6057.7	6088.9	6079.9	6155.7	6209.2	6195.8	6262.7
7.5°	5977.4	6004.2	5981.9	6048.7	6097.8	6173.5	6253.8	6325.1	6392.0	6467.7	6481.1
10°	6057.7	6057.7	6097.8	6151.3	6280.5	6338.5	6454.4	6556.9	6686.2	6775.3	6739.6
12.5°	6142.3	6155.7	6155.7	6293.9	6400.9	6530.1	6637.1	6775.3	6958.1	7065.0	7118.5
15°	6227.0	6236.0	6280.5	6467.7	6628.2	6833.3	6931.3	7056.1	7158.6	7359.2	7363.7
17.5°	6302.8	6351.8	6485.6	6695.1	6895.7	7091.8	7247.8	7377.1	7466.2	7546.4	7528.6
20°	6588.1	6623.8	6761.9	6971.4	7270.1	7461.7	7515.2	7537.5	7595.5	7755.9	7706.9
22.5°	6864.5	6877.8	7007.1	7328.0	7537.5	7791.6	7849.5	7836.2	7858.5	7898.6	7969.9
25°	7149.7	7172.0	7350.3	7622.2	7916.4	8219.5	8268.5	8166.0	8134.8	8179.4	8183.9
27.5°	7515.2	7519.7	7747.0	7983.3	8317.6	8602.9	8678.6	8598.4	8451.3	8487.0	8544.9
30°	7978.8	7947.6	8174.9	8513.7	8865.8	9026.3	9155.6	9115.5	8955.0	8923.8	8874.8
32.5°	8513.7	8522.6	8727.7	9097.6	9329.4	9596.9	9735.0	9668.2	9565.7	9512.2	9543.4
35°	9267.0	9307.1	9445.3	9752.9	10127.3	10261.0	10479.4	10336.8	10069.3	10136.2	10194.2
37.5°	9886.6	10002.5	10261.0	10626.5	10849.4	11094.6	11174.8	10983.1	10787.0	10706.8	10898.4
40°	10836.0	10800.4	11085.6	11451.2	11781.0	12026.2	11923.6	11732.0	11246.1	11250.6	11304.1
42.5°	11651.7	11669.6	11888.0	12324.8	12775.0	12926.6	12601.2	12133.1	11593.8	11535.8	11651.7
45°	12338.2	12409.5	12534.3	13118.2	13559.5	13724.4	13122.7	12570.0	11847.9	11607.2	11798.8
47.5°	12583.3	12699.2	12971.1	13506.0	13942.9	14076.6	13595.2	12801.8	12084.1	11691.9	11794.4
50°	12619.0	12578.9	13024.6	13514.9	13898.3	14188.0	13764.6	12971.1	12026.2	11821.1	11789.9
52.5°	11642.8	11839.0	12315.9	12989.0	13764.6	14228.1	13916.1	13064.7	12106.4	11874.6	11798.8
55°	9423.0	9191.2	10060.4	11192.6	12619.0	13907.2	13862.6	13113.8	12155.4	11963.8	11861.2
57.5°	5259.8	5326.6	5817.0	7047.2	8888.1	11027.7	12324.8	12596.7	12133.1	12021.7	12075.2
60°	2433.8	2456.0	2665.5	3240.6	4381.7	6253.8	7961.0	9694.9	10492.8	10653.3	10653.3
62.5°	1814.2	1805.3	1858.8	1961.3	2202.0	2875.0	3837.9	5215.2	6311.7	7078.4	7279.0
65°	1640.3	1635.9	1662.6	1698.3	1716.1	1809.7	2023.7	2447.1	2803.7	3008.8	2973.1
67.5°	1435.3	1430.8	1439.8	1462.0	1493.2	1542.3	1595.8	1684.9	1809.7	1800.8	1778.5
70°	1158.9	1158.9	1172.3	1190.1	1225.8	1283.7	1346.1	1408.5	1515.5	1537.8	1533.4
72.5°	855.8	842.5	869.2	904.9	940.5	1011.8	1078.7	1136.6	1212.4	1234.7	1225.8
75°	543.8	552.7	570.6	610.7	673.1	722.1	793.4	842.5	891.5	909.3	913.8
77.5°	303.1	312.0	343.2	392.3	454.7	508.1	570.6	610.7	641.9	646.3	650.8
80°	182.8	187.2	218.4	263.0	316.5	374.4	423.5	463.6	490.3	476.9	472.5
82.5°	111.4	115.9	142.6	182.8	227.3	271.9	325.4	361.1	387.8	370.0	352.1
85°	57.9	62.4	84.7	111.4	147.1	169.4	169.4	151.6	147.1	138.2	133.7
87.5°	17.8	17.8	22.3	26.7	22.3	26.7	31.2	35.7	35.7	40.1	35.7
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)