

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: P652492

Luminaire Tested: **GALN-SA7B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652492
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-SA7B-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 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: 29206.3 lumens
Efficiency: N/A
Efficacy: 102.1 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

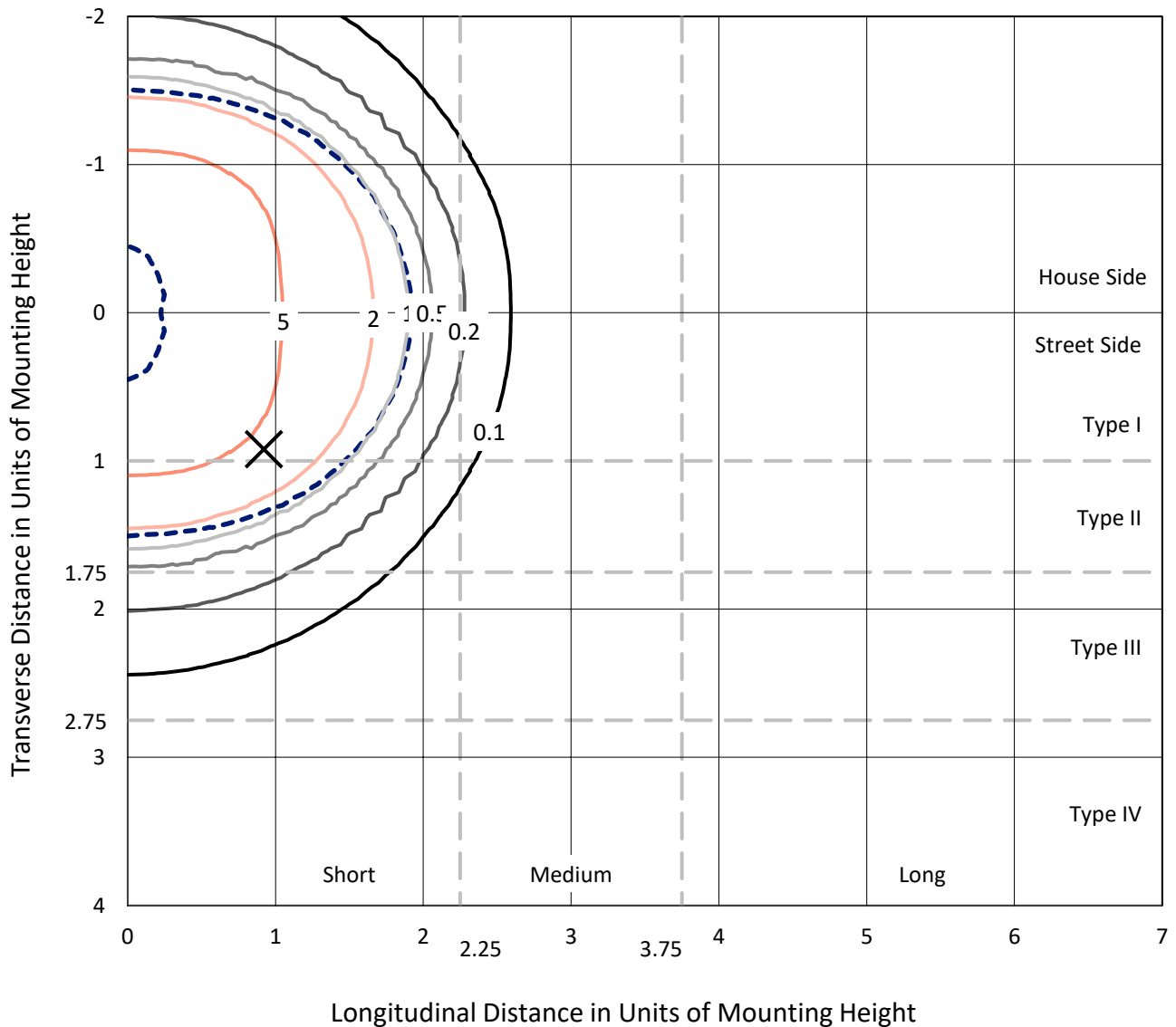
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

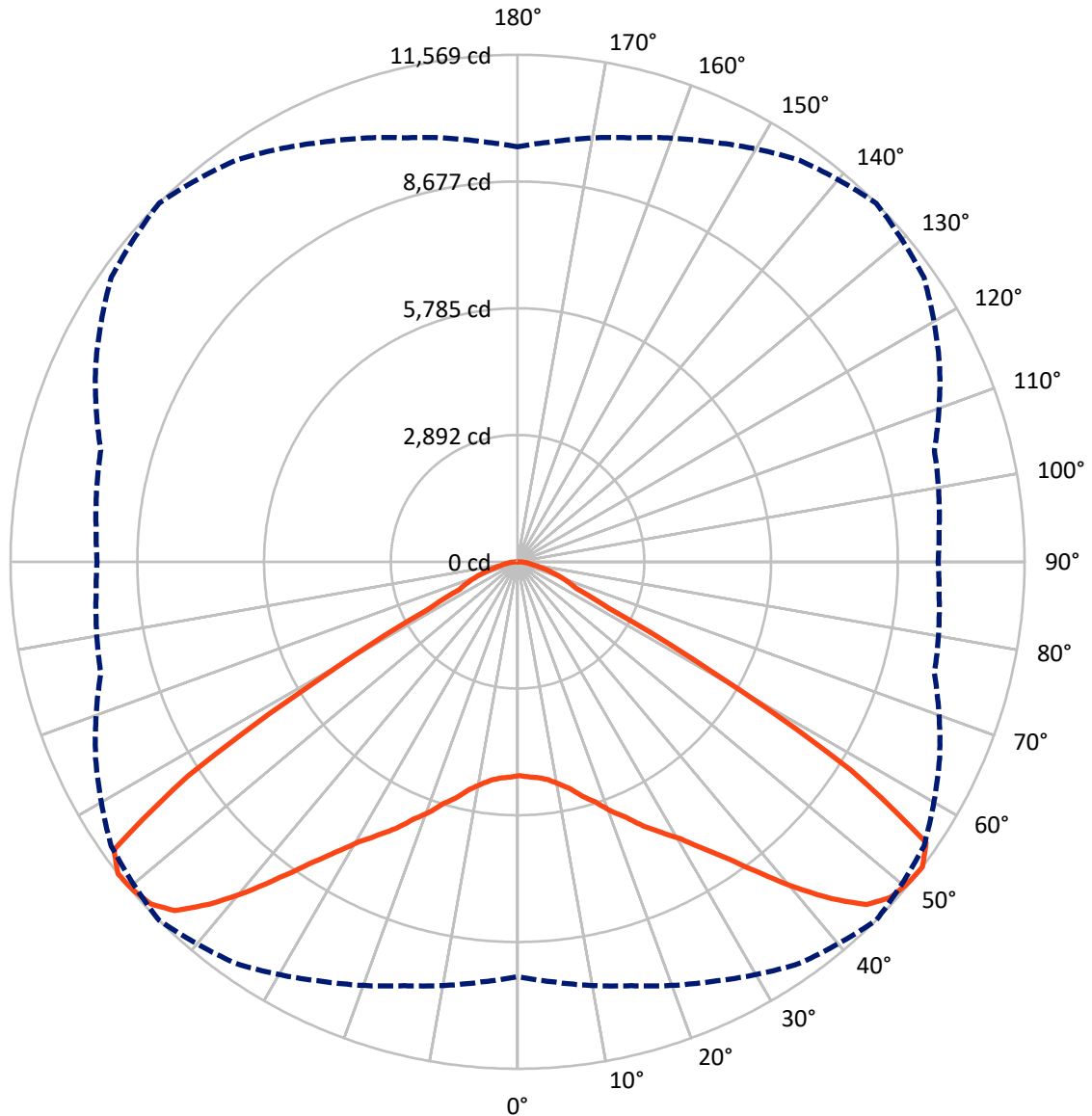
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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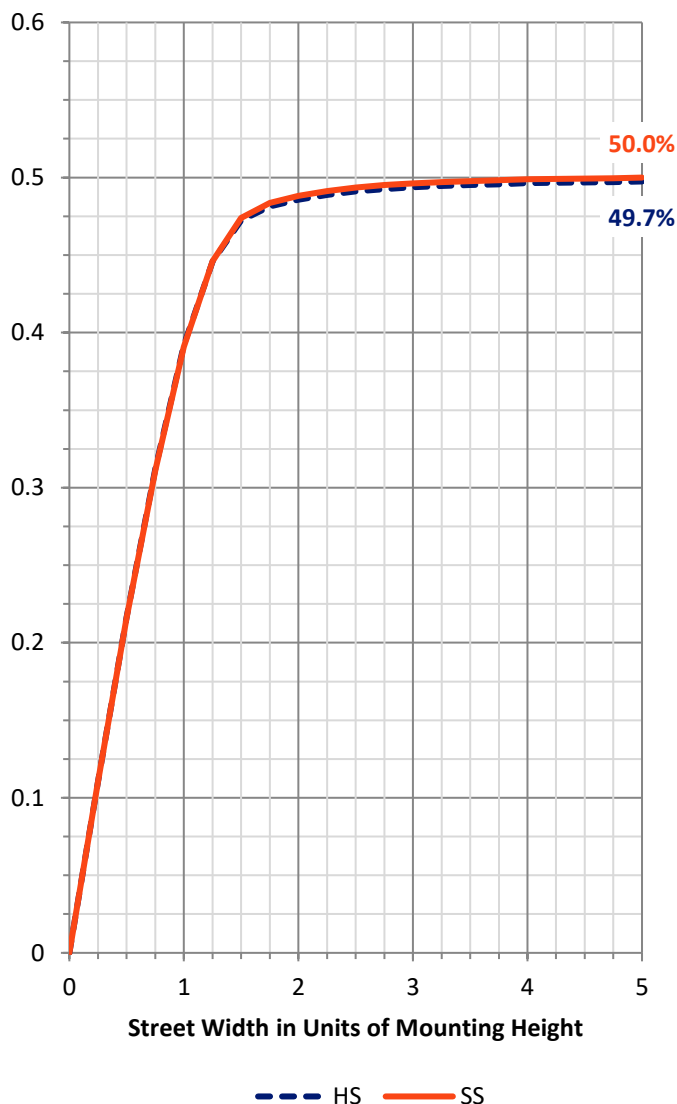
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14603.1	0.0	14603.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14603.1	0.0	14603.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29206.3	0.0	29206.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.7	1.6
10°-20°	1576.1	5.4
20°-30°	3000.7	10.3
30°-40°	5152.5	17.6
40°-50°	7919.5	27.1
50°-60°	8042.1	27.5
60°-70°	2241.2	7.7
70°-80°	661.1	2.3
80°-90°	133.2	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°	29206.3	100.0
0°-180°	29206.3	100.0

Coefficient of Utilization



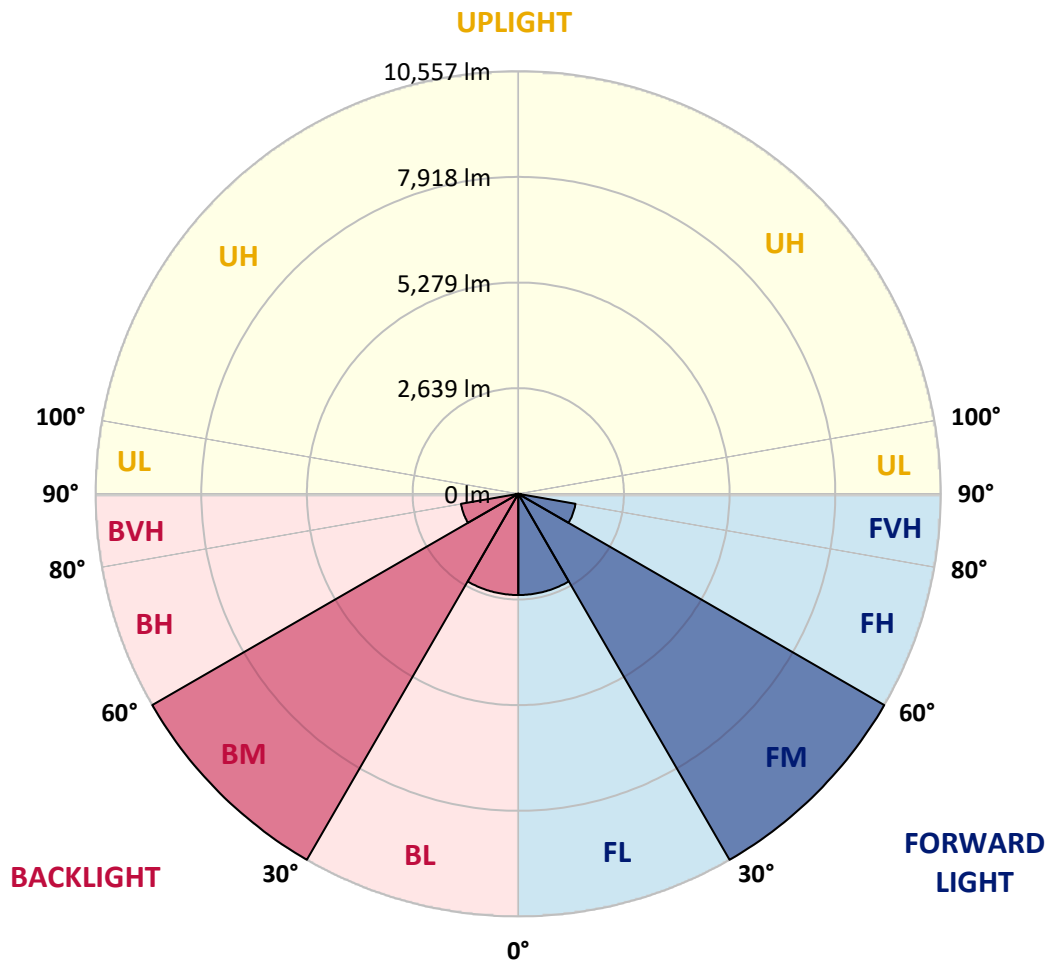
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2528.3	8.7			
FM (30°-60°)	10557.1	36.1			
FH (60°-80°)	1451.2	5.0			G1/1800
FVH (80°-90°)	66.6	0.2			G1/100
BL (0°-30°)	2528.3	8.7	B4/5000		
BM (30°-60°)	10557.1	36.1	B5		
BH (60°-80°)	1451.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	66.6	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°	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2	4882.2
2.5°	4893.1	4842.3	4860.5	4871.3	4918.4	4914.8	4904.0	4918.4	4933.0	4936.6	4929.4
5°	4889.5	4853.2	4867.7	4878.6	4925.7	4951.1	4943.8	5005.5	5048.9	5038.1	5092.4
7.5°	4860.5	4882.2	4864.1	4918.4	4958.3	5019.9	5085.2	5143.1	5197.5	5259.2	5270.0
10°	4925.7	4925.7	4958.3	5001.8	5106.9	5154.1	5248.3	5331.7	5436.7	5509.2	5480.3
12.5°	4994.5	5005.5	5005.5	5117.8	5204.8	5309.9	5396.9	5509.2	5657.8	5744.9	5788.4
15°	5063.4	5070.7	5106.9	5259.2	5389.6	5556.4	5636.1	5737.6	5821.0	5984.1	5987.7
17.5°	5125.1	5164.9	5273.7	5444.0	5607.1	5766.6	5893.5	5998.5	6071.0	6136.3	6121.8
20°	5357.0	5386.0	5498.4	5668.8	5911.6	6067.4	6111.0	6129.0	6176.1	6306.7	6266.8
22.5°	5581.7	5592.6	5697.7	5958.7	6129.0	6335.7	6382.8	6371.9	6390.0	6422.6	6480.6
25°	5813.7	5831.8	5976.8	6197.9	6437.1	6683.6	6723.5	6640.1	6614.7	6651.0	6654.6
27.5°	6111.0	6114.6	6299.4	6491.5	6763.3	6995.3	7056.9	6991.7	6872.1	6901.1	6948.2
30°	6487.9	6462.5	6647.3	6922.8	7209.1	7339.7	7444.7	7412.2	7281.6	7256.2	7216.4
32.5°	6922.8	6930.1	7096.8	7397.6	7586.1	7803.6	7915.9	7861.6	7778.2	7734.7	7760.1
35°	7535.4	7568.0	7680.3	7930.4	8234.9	8343.6	8521.2	8405.2	8187.7	8242.1	8289.2
37.5°	8039.1	8133.4	8343.6	8640.9	8822.0	9021.4	9086.7	8930.7	8771.3	8706.0	8862.0
40°	8811.2	8782.1	9014.2	9311.4	9579.6	9778.9	9695.6	9539.7	9144.6	9148.2	9191.7
42.5°	9474.5	9488.9	9666.5	10021.8	10387.9	10511.1	10246.5	9865.9	9427.4	9380.3	9474.5
45°	10032.6	10090.7	10192.1	10666.9	11025.8	11159.8	10670.5	10221.1	9633.9	9438.2	9594.0
47.5°	10231.9	10326.2	10547.3	10982.3	11337.4	11446.2	11054.8	10409.6	9826.1	9507.1	9590.4
50°	10261.0	10228.3	10590.8	10989.5	11301.2	11536.8	11192.4	10547.3	9778.9	9612.2	9586.8
52.5°	9467.2	9626.7	10014.5	10561.8	11192.4	11569.4	11315.7	10623.4	9844.2	9655.7	9594.0
55°	7662.2	7473.7	8180.5	9101.1	10261.0	11308.4	11272.2	10663.3	9884.0	9728.2	9644.8
57.5°	4276.9	4331.3	4730.0	5730.3	7227.3	8967.0	10021.8	10242.9	9865.9	9775.3	9818.8
60°	1979.0	1997.1	2167.4	2635.0	3562.9	5085.2	6473.3	7883.3	8532.1	8662.6	8662.6
62.5°	1475.2	1468.0	1511.4	1594.8	1790.5	2337.8	3120.7	4240.7	5132.3	5755.7	5918.8
65°	1333.8	1330.2	1351.9	1380.9	1395.5	1471.6	1645.5	1989.9	2279.8	2446.6	2417.5
67.5°	1167.1	1163.4	1170.8	1188.8	1214.2	1254.1	1297.6	1370.1	1471.6	1464.3	1446.2
70°	942.3	942.3	953.3	967.7	996.8	1043.8	1094.6	1145.4	1232.3	1250.5	1246.9
72.5°	695.9	685.0	706.8	735.8	764.8	822.8	877.2	924.3	985.9	1004.0	996.8
75°	442.2	449.4	463.9	496.5	547.3	587.2	645.1	685.0	724.9	739.4	743.0
77.5°	246.5	253.7	279.1	319.0	369.7	413.2	463.9	496.5	521.9	525.5	529.2
80°	148.6	152.2	177.6	213.9	257.3	304.4	344.3	376.9	398.7	387.8	384.2
82.5°	90.6	94.3	116.0	148.6	184.9	221.1	264.6	293.6	315.3	300.8	286.4
85°	47.1	50.7	68.9	90.6	119.6	137.8	137.8	123.2	119.6	112.4	108.7
87.5°	14.5	14.5	18.1	21.8	18.1	21.8	25.4	29.0	29.0	32.6	29.0
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)