

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: P647432

Luminaire Tested: **GALN-SA5D-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647432
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-SA5D-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 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: 26579.7 lumens
Efficiency: N/A
Efficacy: 86.0 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): 309
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

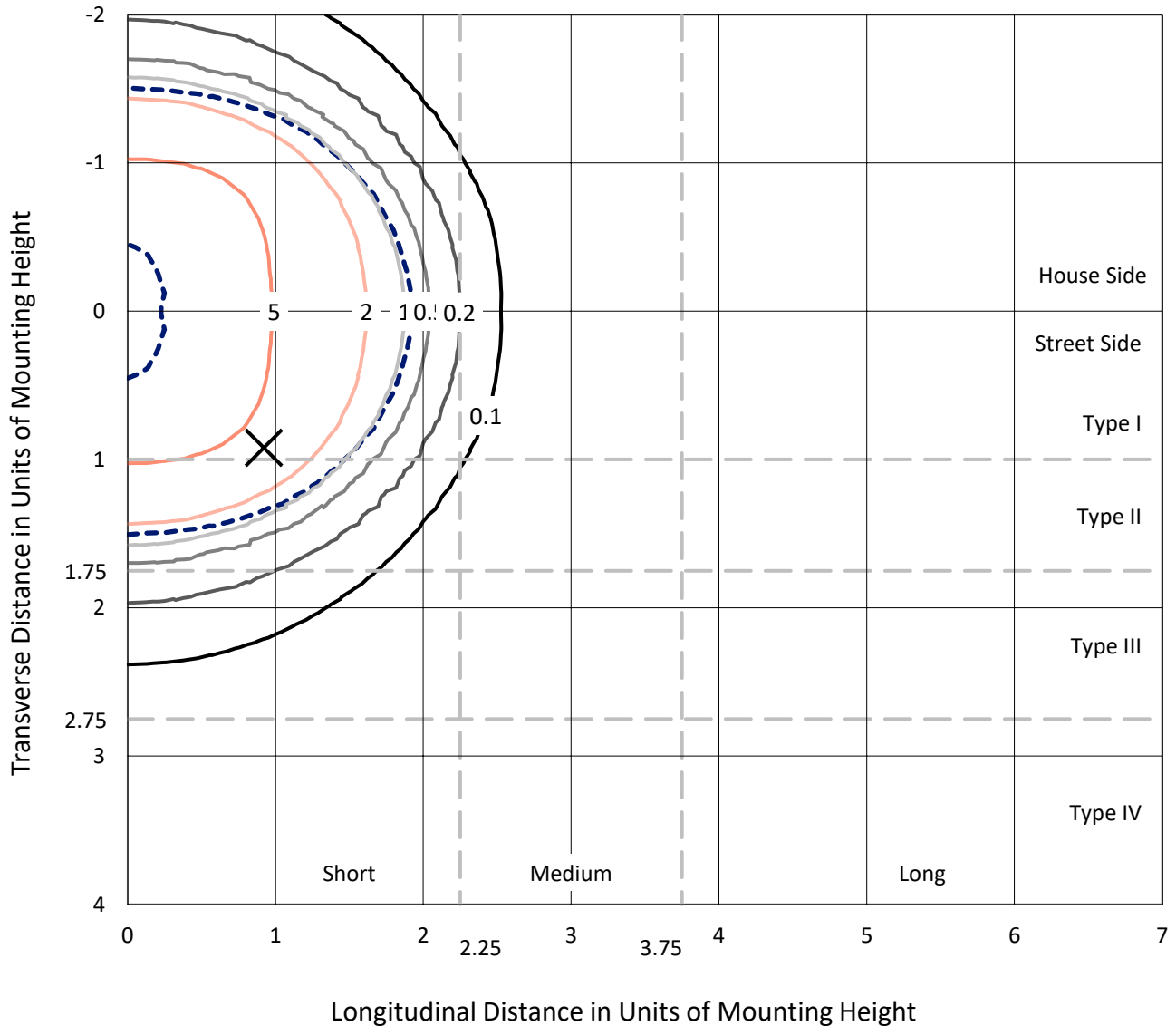




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Iso-Footcandle Lines of Horizontal Illumination

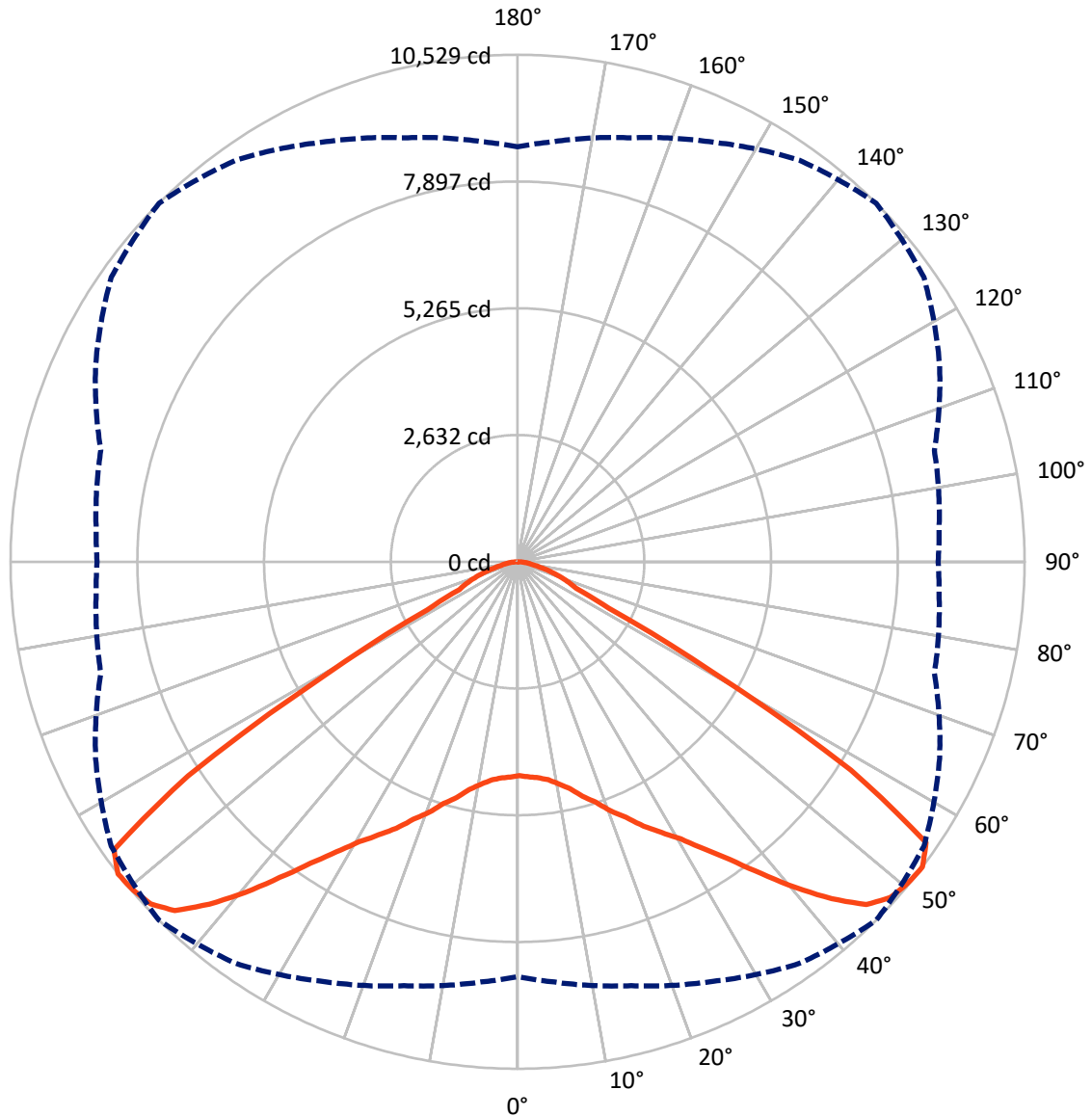
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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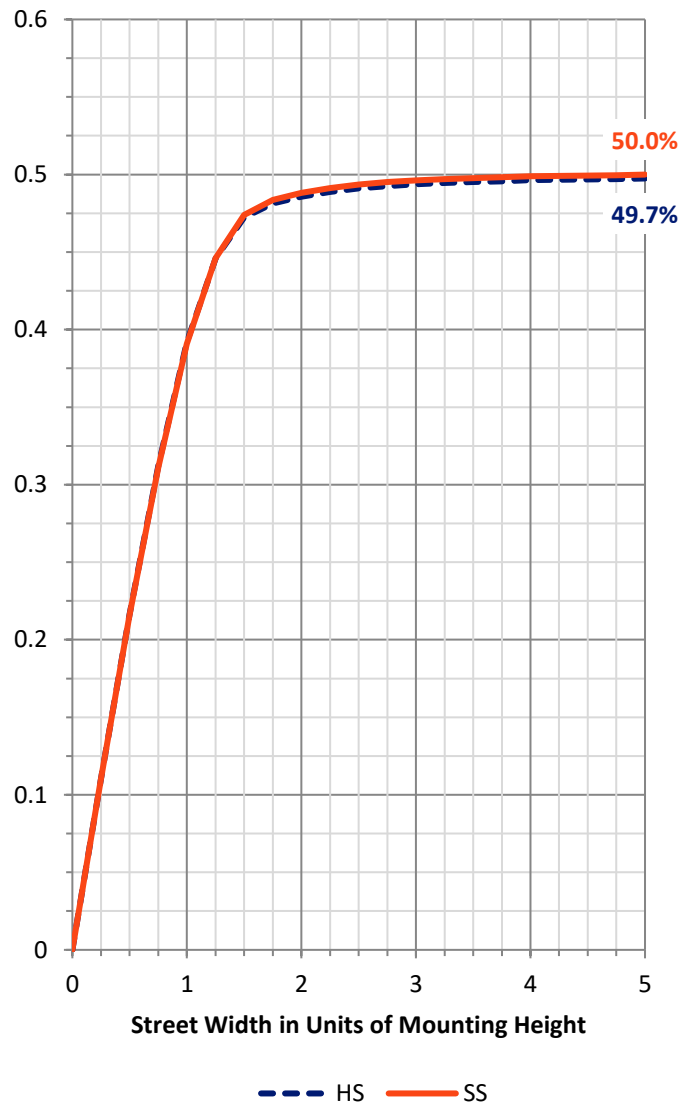
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13289.9	0.0	13289.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13289.9	0.0	13289.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	26579.7	0.0	26579.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.5	1.6
10°-20°	1434.4	5.4
20°-30°	2730.9	10.3
30°-40°	4689.1	17.6
40°-50°	7207.3	27.1
50°-60°	7318.9	27.5
60°-70°	2039.7	7.7
70°-80°	601.7	2.3
80°-90°	121.2	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°	26579.7	100.0
0°-180°	26579.7	100.0

Coefficient of Utilization



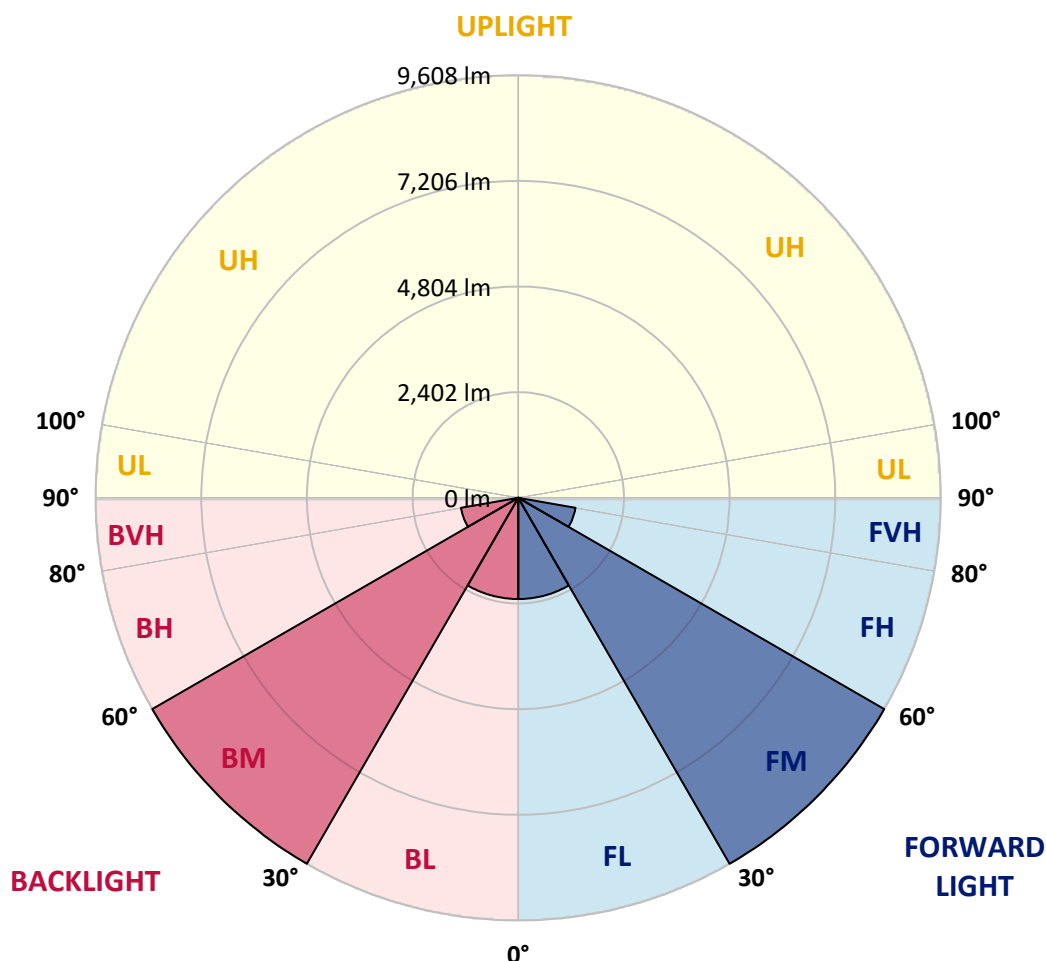
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2300.9	8.7			
FM (30°-60°)	9607.7	36.1			
FH (60°-80°)	1320.7	5.0			G1/1800
FVH (80°-90°)	60.6	0.2			G1/100
BL (0°-30°)	2300.9	8.7	B3/2500		
BM (30°-60°)	9607.7	36.1	B5		
BH (60°-80°)	1320.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	60.6	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°	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1	4443.1
2.5°	4453.1	4406.9	4423.3	4433.3	4476.1	4472.8	4462.9	4476.1	4489.3	4492.6	4486.0
5°	4449.7	4416.7	4430.0	4439.8	4482.8	4505.9	4499.2	4555.3	4594.9	4585.0	4634.5
7.5°	4423.3	4443.1	4426.7	4476.1	4512.4	4568.5	4627.8	4680.6	4730.1	4786.2	4796.1
10°	4482.8	4482.8	4512.4	4552.0	4647.7	4690.6	4776.3	4852.2	4947.9	5013.8	4987.4
12.5°	4545.4	4555.3	4555.3	4657.5	4736.8	4832.4	4911.5	5013.8	5149.0	5228.2	5267.8
15°	4608.1	4614.7	4647.7	4786.2	4904.9	5056.7	5129.3	5221.6	5297.5	5445.9	5449.2
17.5°	4664.2	4700.4	4799.4	4954.4	5102.9	5248.0	5363.5	5459.1	5525.1	5584.4	5571.3
20°	4875.3	4901.7	5003.9	5159.0	5379.9	5521.8	5561.3	5577.9	5620.8	5739.5	5703.2
22.5°	5079.8	5089.7	5185.3	5422.8	5577.9	5765.9	5808.8	5798.8	5815.3	5845.0	5897.8
25°	5290.9	5307.4	5439.3	5640.5	5858.2	6082.5	6118.8	6043.0	6019.9	6052.8	6056.1
27.5°	5561.3	5564.6	5732.9	5907.7	6155.1	6366.2	6422.2	6362.9	6254.1	6280.4	6323.4
30°	5904.4	5881.3	6049.5	6300.3	6560.8	6679.5	6775.2	6745.5	6626.8	6603.7	6567.4
32.5°	6300.3	6306.8	6458.6	6732.3	6903.9	7101.8	7204.1	7154.6	7078.7	7039.1	7062.2
35°	6857.7	6887.3	6989.6	7217.2	7494.3	7593.3	7754.9	7649.4	7451.4	7500.9	7543.8
37.5°	7316.2	7401.9	7593.3	7863.7	8028.6	8210.1	8269.5	8127.6	7982.5	7923.1	8065.0
40°	8018.8	7992.4	8203.5	8474.0	8718.1	8899.5	8823.6	8681.8	8322.3	8325.6	8365.1
42.5°	8622.4	8635.6	8797.2	9120.5	9453.6	9565.8	9325.0	8978.7	8579.6	8536.7	8622.4
45°	9130.4	9183.2	9275.5	9707.6	10034.2	10156.2	9710.9	9301.9	8767.6	8589.4	8731.2
47.5°	9311.8	9397.6	9598.8	9994.6	10317.9	10416.8	10060.6	9473.4	8942.4	8652.1	8727.9
50°	9338.2	9308.5	9638.3	10001.2	10284.9	10499.3	10186.0	9598.8	8899.5	8747.8	8724.7
52.5°	8615.8	8761.0	9113.9	9612.0	10186.0	10529.0	10298.1	9668.1	8958.9	8787.4	8731.2
55°	6973.2	6801.6	7444.8	8282.7	9338.2	10291.5	10258.5	9704.3	8995.2	8853.3	8777.4
57.5°	3892.3	3941.8	4304.6	5215.0	6577.3	8160.6	9120.5	9321.7	8978.7	8896.2	8935.8
60°	1801.0	1817.5	1972.5	2398.0	3242.5	4627.8	5891.2	7174.3	7764.8	7883.6	7883.6
62.5°	1342.5	1335.9	1375.5	1451.4	1629.5	2127.6	2840.0	3859.3	4670.8	5238.1	5386.6
65°	1213.9	1210.6	1230.3	1256.7	1269.9	1339.2	1497.6	1810.9	2074.8	2226.5	2200.2
67.5°	1062.1	1058.9	1065.4	1081.9	1105.0	1141.3	1180.9	1246.8	1339.2	1332.6	1316.1
70°	857.6	857.6	867.5	880.7	907.1	950.0	996.1	1042.3	1121.5	1138.0	1134.7
72.5°	633.3	623.4	643.2	669.6	696.0	748.8	798.3	841.1	897.2	913.7	907.1
75°	402.5	409.0	422.2	451.9	498.1	534.4	587.2	623.4	659.7	672.9	676.2
77.5°	224.3	230.9	254.0	290.3	336.5	376.0	422.2	451.9	475.0	478.3	481.6
80°	135.2	138.5	161.6	194.6	234.2	277.1	313.4	343.0	362.8	353.0	349.6
82.5°	82.4	85.7	105.5	135.2	168.2	201.2	240.8	267.2	287.0	273.8	260.6
85°	42.9	46.2	62.6	82.4	108.8	125.4	125.4	112.1	108.8	102.3	99.0
87.5°	13.2	13.2	16.5	19.8	16.5	19.8	23.1	26.4	26.4	29.7	26.4
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)