

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: P530258

Luminaire Tested: **GALN-SA5C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530258
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-SA5C-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA 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: 25800 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

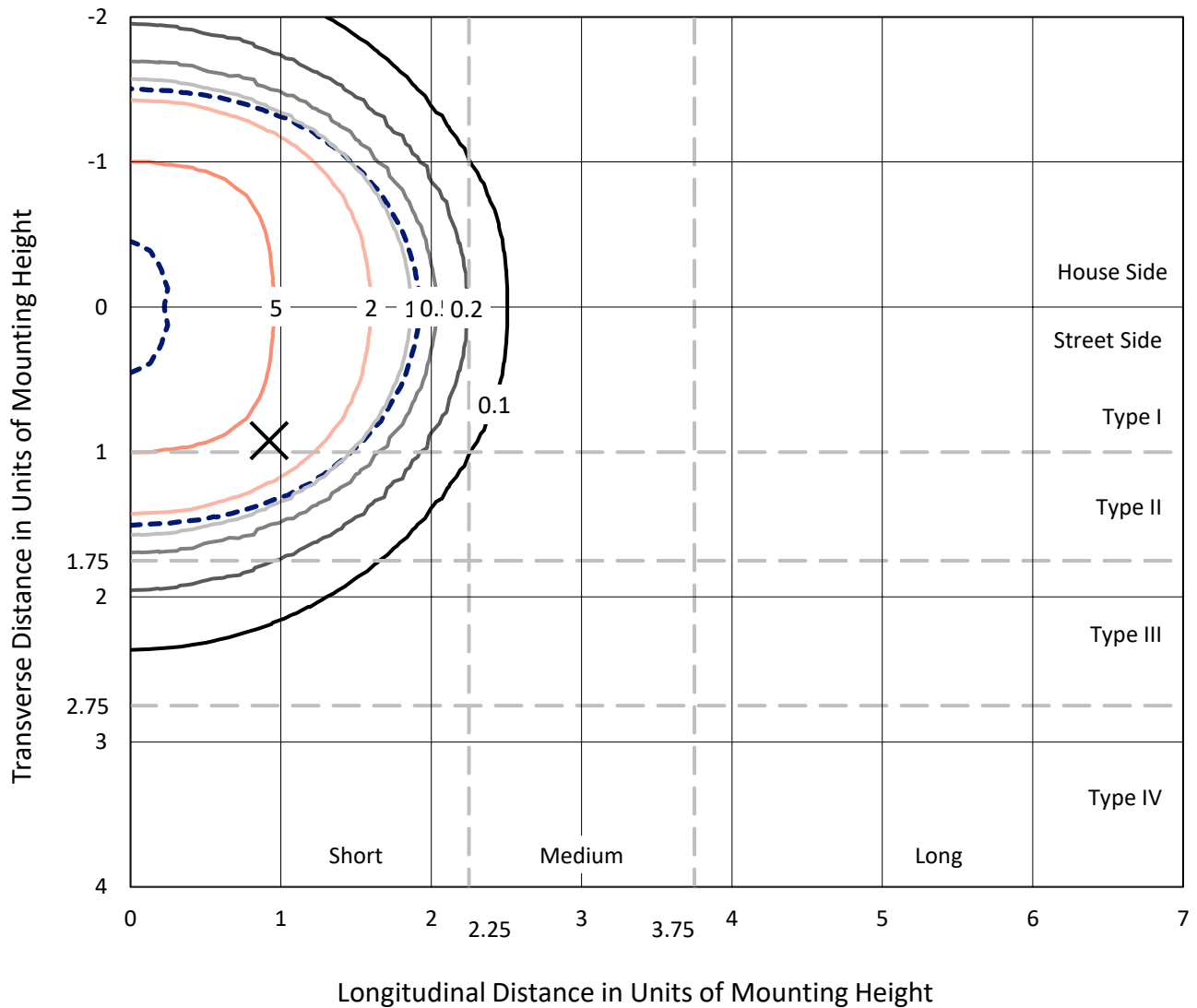
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

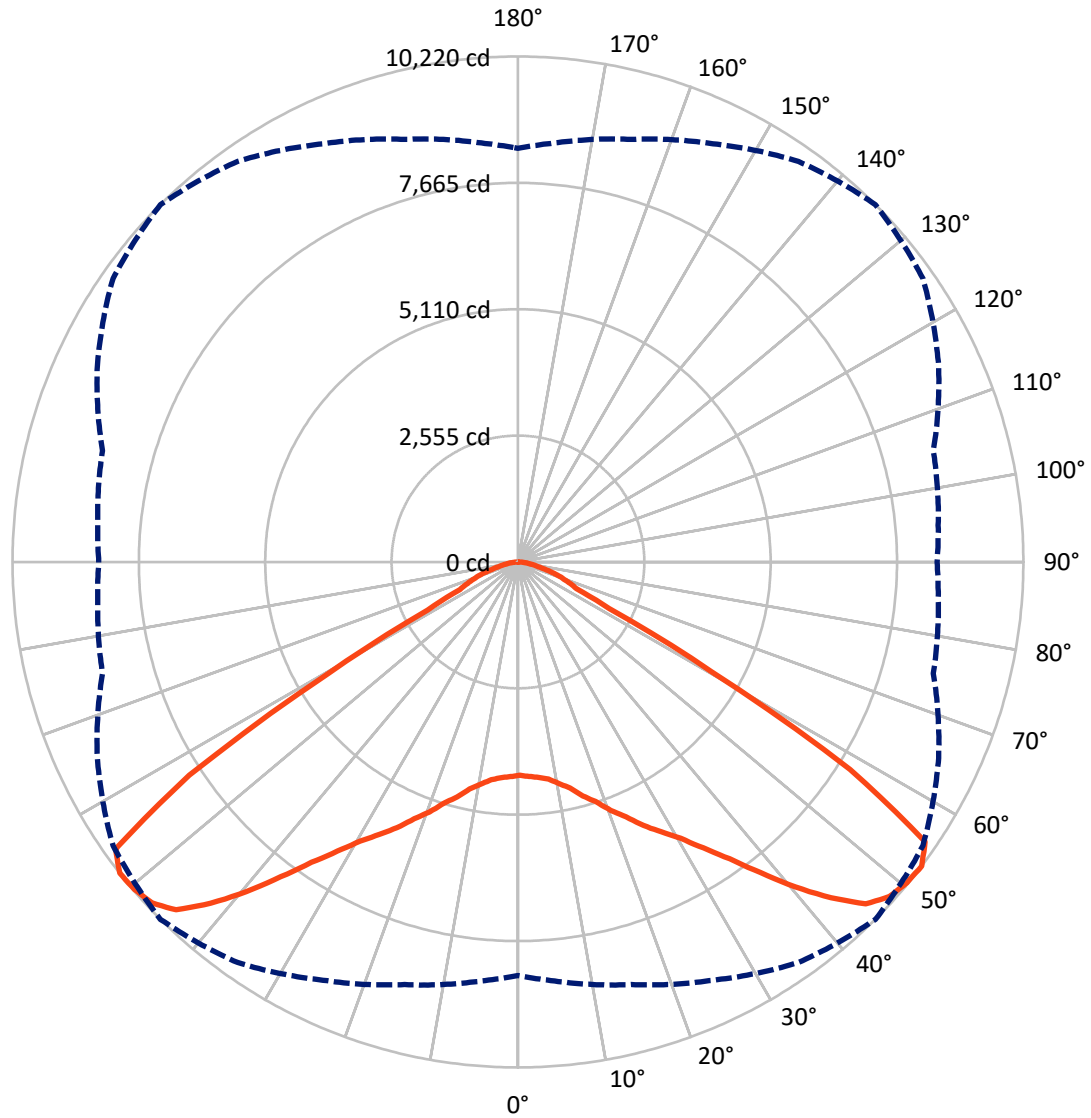
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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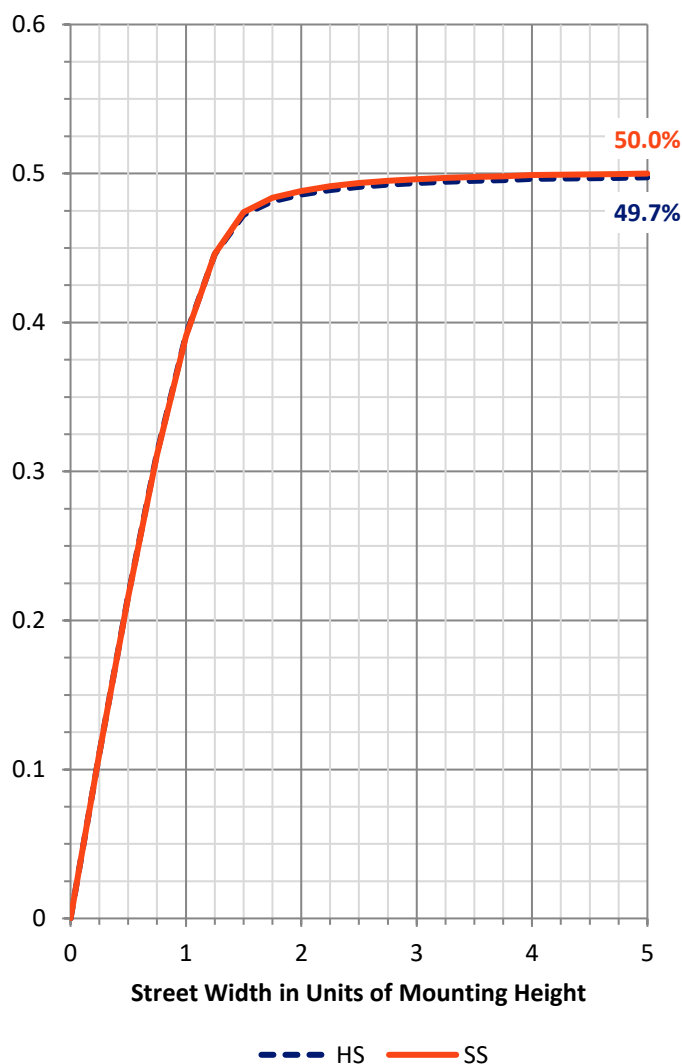
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12900.0	0.0	12900.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12900.0	0.0	12900.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25800.0	0.0	25800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.7	1.6
10°-20°	1392.3	5.4
20°-30°	2650.8	10.3
30°-40°	4551.6	17.6
40°-50°	6995.9	27.1
50°-60°	7104.2	27.5
60°-70°	1979.8	7.7
70°-80°	584.0	2.3
80°-90°	117.6	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°	25800.0	100.0
0°-180°	25800.0	100.0

Coefficient of Utilization



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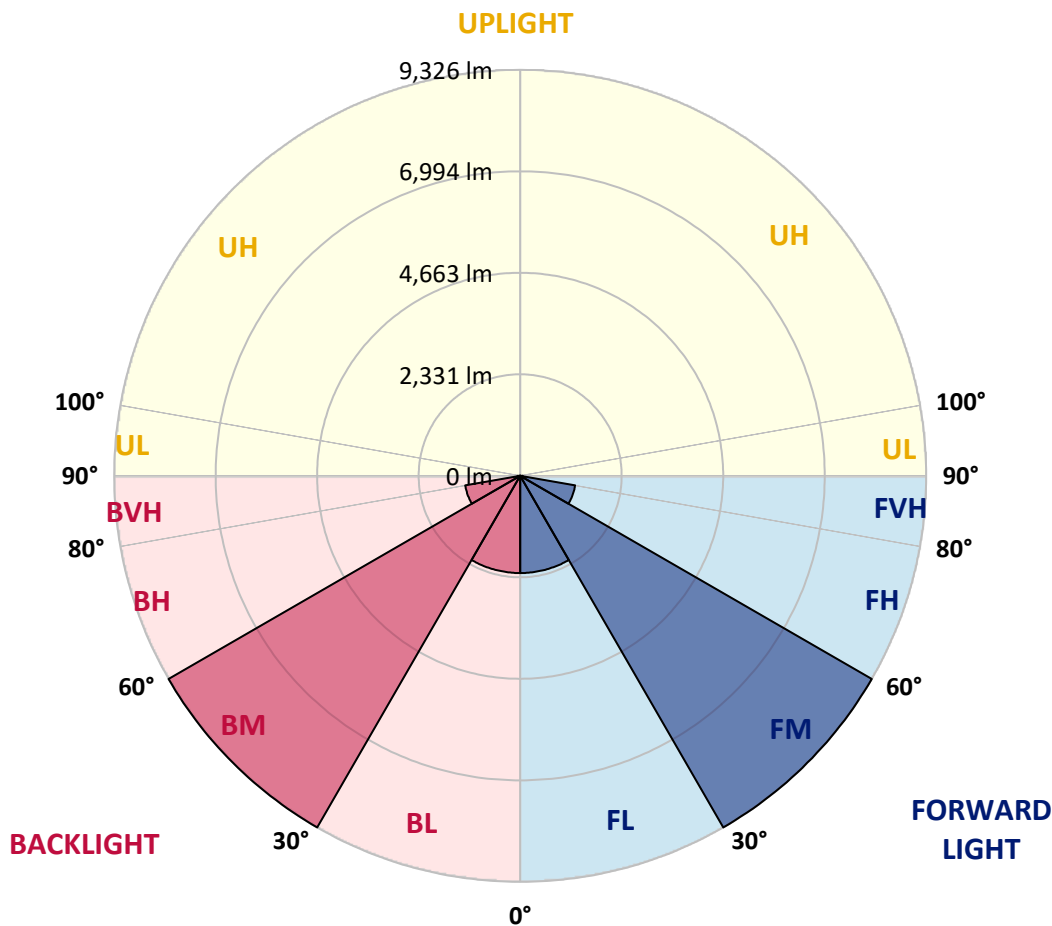
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2233.4	8.7			
FM (30°-60°)	9325.8	36.1			
FH (60°-80°)	1281.9	5.0			G1/1800
FVH (80°-90°)	58.8	0.2			G1/100
BL (0°-30°)	2233.4	8.7	B3/2500		
BM (30°-60°)	9325.8	36.1	B5		
BH (60°-80°)	1281.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	58.8	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°	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8	4312.8
2.5°	4322.4	4277.6	4293.6	4303.2	4344.8	4341.6	4332.0	4344.8	4357.6	4360.8	4354.4
5°	4319.2	4287.2	4300.0	4309.6	4351.2	4373.6	4367.2	4421.7	4460.1	4450.5	4498.5
7.5°	4293.6	4312.8	4296.8	4344.8	4380.0	4434.5	4492.1	4543.3	4591.4	4645.8	4655.4
10°	4351.2	4351.2	4380.0	4418.5	4511.3	4552.9	4636.2	4709.8	4802.7	4866.7	4841.1
12.5°	4412.1	4421.7	4421.7	4520.9	4597.8	4690.6	4767.5	4866.7	4998.0	5074.8	5113.3
15°	4472.9	4479.3	4511.3	4645.8	4761.1	4908.3	4978.8	5068.4	5142.1	5286.2	5289.4
17.5°	4527.3	4562.5	4658.6	4809.1	4953.2	5094.0	5206.1	5299.0	5363.0	5420.6	5407.8
20°	4732.2	4757.9	4857.1	5007.6	5222.1	5359.8	5398.2	5414.2	5455.8	5571.1	5535.9
22.5°	4930.8	4940.4	5033.2	5263.7	5414.2	5596.7	5638.4	5628.7	5644.8	5673.6	5724.8
25°	5135.7	5151.7	5279.8	5475.1	5686.4	5904.1	5939.3	5865.7	5843.3	5875.3	5878.5
27.5°	5398.2	5401.4	5564.7	5734.4	5974.5	6179.5	6233.9	6176.3	6070.6	6096.2	6137.8
30°	5731.2	5708.8	5872.1	6115.4	6368.4	6483.6	6576.5	6547.7	6432.4	6410.0	6374.8
32.5°	6115.4	6121.8	6269.1	6534.9	6701.3	6893.5	6992.7	6944.7	6871.0	6832.6	6855.0
35°	6656.5	6685.3	6784.6	7005.5	7274.5	7370.5	7527.4	7424.9	7232.8	7280.9	7322.5
37.5°	7101.6	7184.8	7370.5	7633.1	7793.2	7969.3	8026.9	7889.2	7748.3	7690.7	7828.4
40°	7783.5	7757.9	7962.8	8225.4	8462.3	8638.4	8564.8	8427.1	8078.1	8081.3	8119.7
42.5°	8369.5	8382.3	8539.2	8852.9	9176.3	9285.2	9051.5	8715.3	8327.9	8286.2	8369.5
45°	8862.6	8913.8	9003.4	9422.9	9739.8	9858.3	9426.1	9029.0	8510.4	8337.5	8475.1
47.5°	9038.7	9121.9	9317.2	9701.4	10015.2	10111.3	9765.5	9195.5	8680.1	8398.3	8471.9
50°	9064.3	9035.4	9355.6	9707.8	9983.2	10191.3	9887.1	9317.2	8638.4	8491.1	8468.7
52.5°	8363.1	8504.0	8846.5	9330.0	9887.1	10220.1	9996.0	9384.4	8696.1	8529.6	8475.1
55°	6768.6	6602.1	7226.4	8039.7	9064.3	9989.6	9957.6	9419.7	8731.3	8593.6	8520.0
57.5°	3778.1	3826.1	4178.3	5062.0	6384.4	7921.2	8852.9	9048.3	8715.3	8635.2	8673.6
60°	1748.2	1764.2	1914.7	2327.7	3147.4	4492.1	5718.4	6963.9	7537.0	7652.3	7652.3
62.5°	1303.1	1296.7	1335.1	1408.8	1581.7	2065.2	2756.7	3746.1	4533.7	5084.4	5228.5
65°	1178.3	1175.1	1194.3	1219.9	1232.7	1299.9	1453.6	1757.8	2013.9	2161.2	2135.6
67.5°	1031.0	1027.8	1034.2	1050.2	1072.6	1107.8	1146.2	1210.3	1299.9	1293.5	1277.5
70°	832.5	832.5	842.1	854.9	880.5	922.1	966.9	1011.8	1088.6	1104.6	1101.4
72.5°	614.7	605.1	624.3	650.0	675.6	726.8	774.8	816.5	870.9	886.9	880.5
75°	390.6	397.0	409.8	438.6	483.5	518.7	569.9	605.1	640.4	653.2	656.4
77.5°	217.7	224.1	246.5	281.8	326.6	365.0	409.8	438.6	461.1	464.3	467.5
80°	131.3	134.5	156.9	188.9	227.3	269.0	304.2	333.0	352.2	342.6	339.4
82.5°	80.0	83.2	102.5	131.3	163.3	195.3	233.7	259.3	278.6	265.7	252.9
85°	41.6	44.8	60.8	80.0	105.7	121.7	121.7	108.9	105.7	99.3	96.1
87.5°	12.8	12.8	16.0	19.2	16.0	19.2	22.4	25.6	25.6	28.8	25.6
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)