

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: P530252

Luminaire Tested: **GALN-SA5C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26521 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

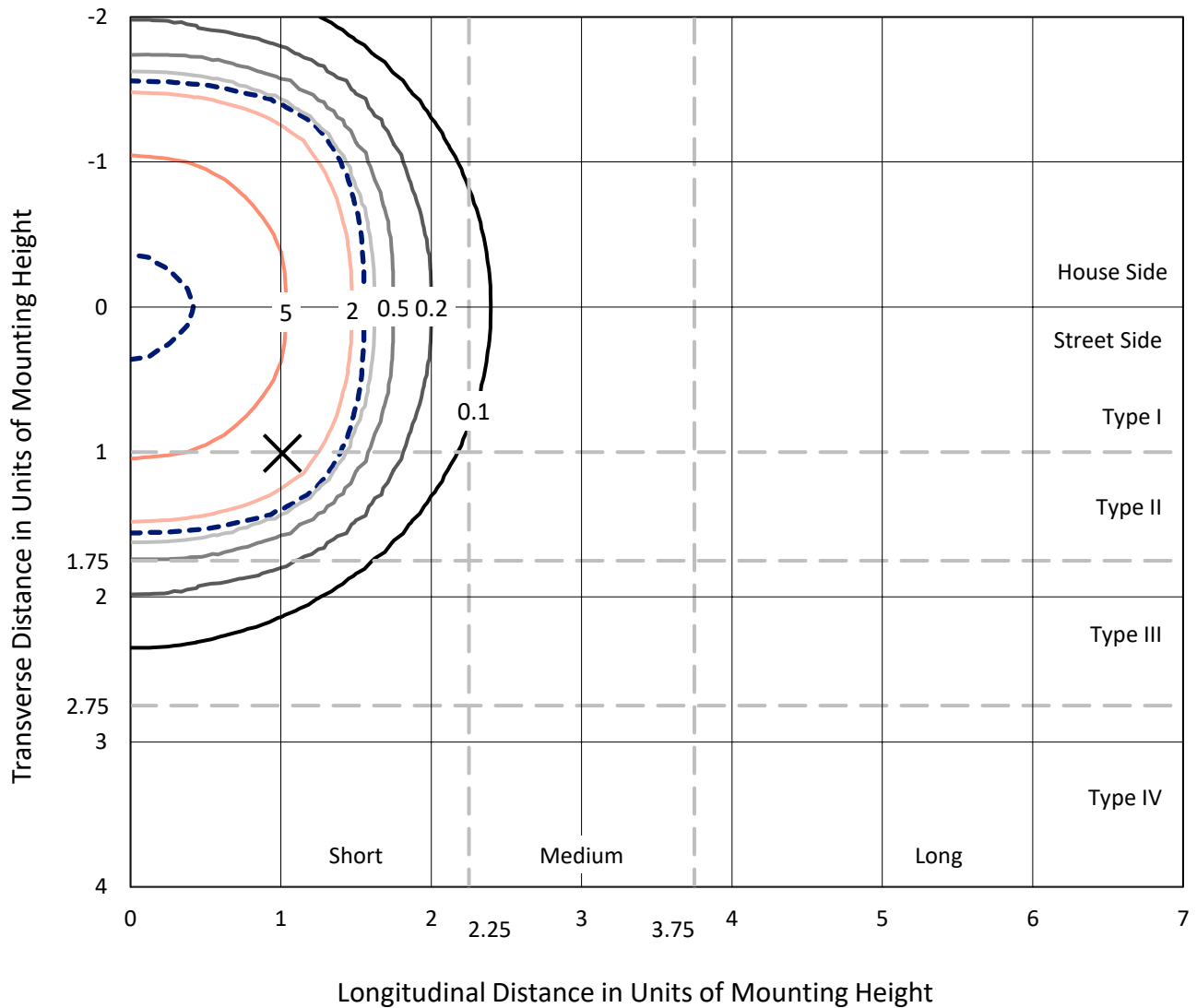
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

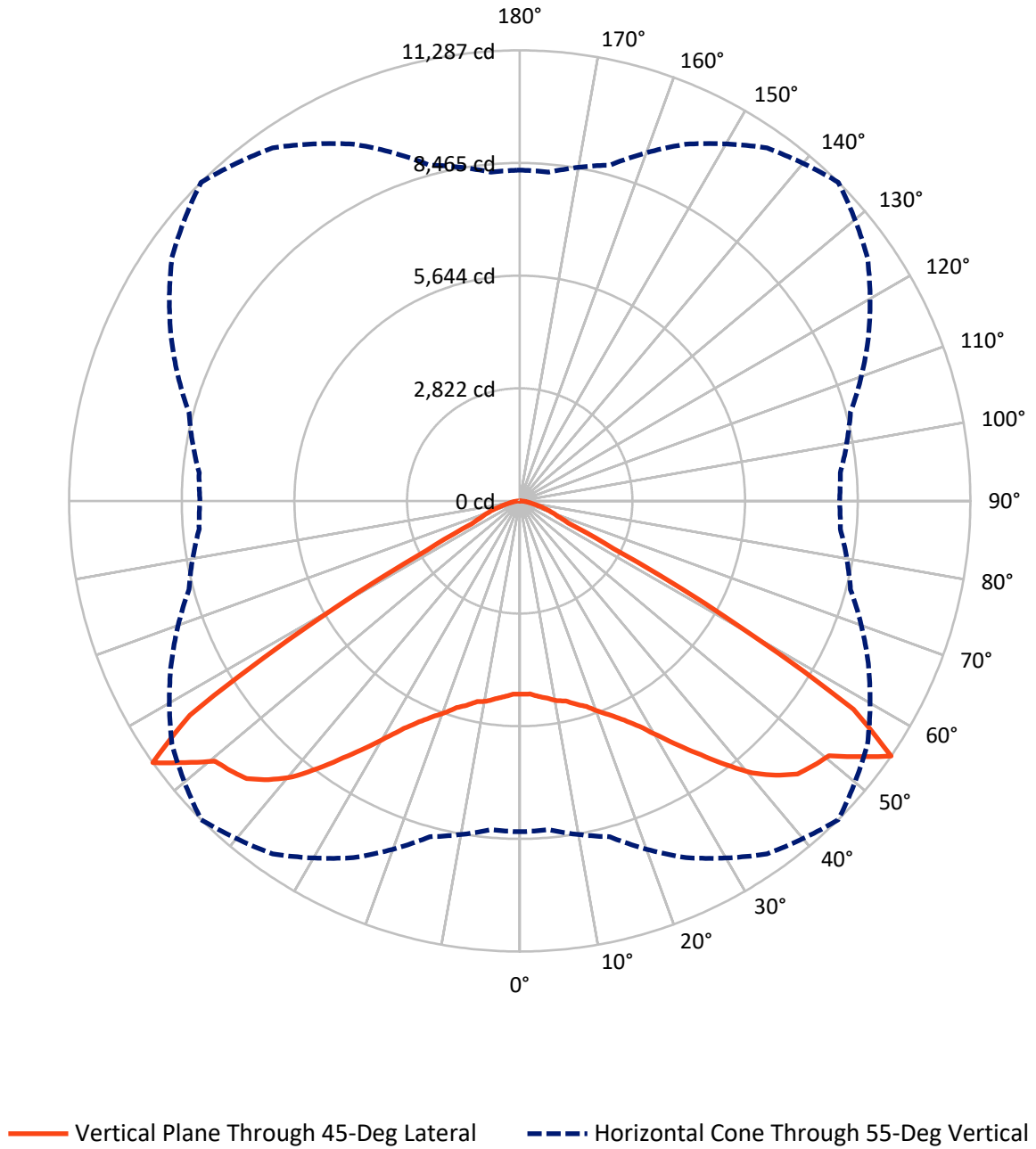
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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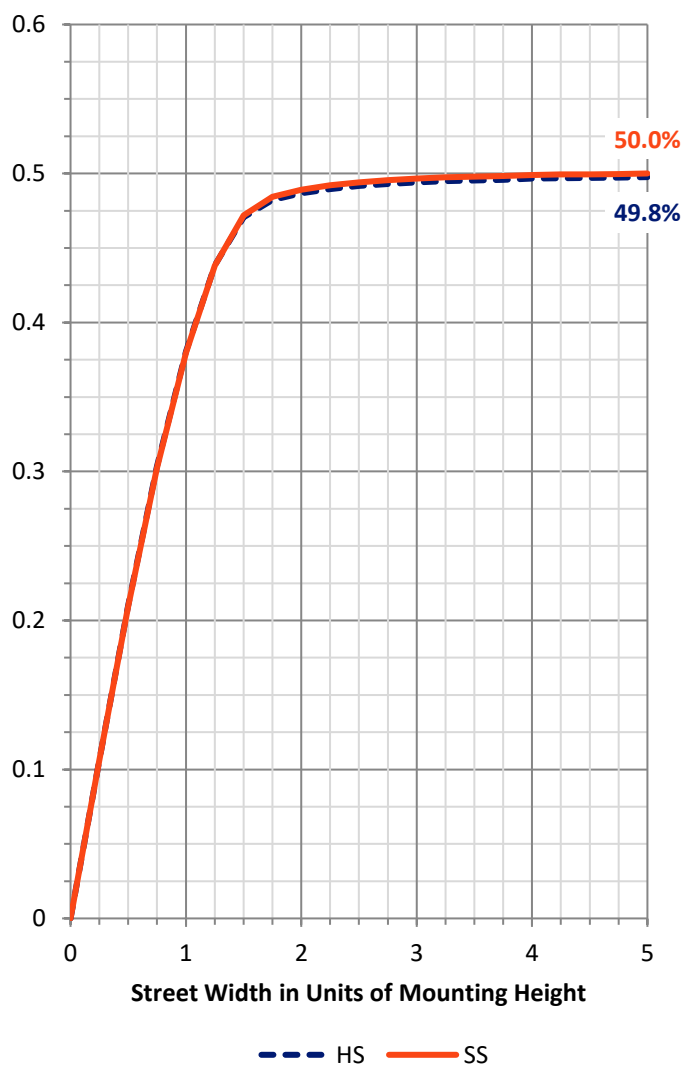
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13260.5	0.0	13260.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13260.5	0.0	13260.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26521.0	0.0	26521.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.0	1.8
10°-20°	1498.9	5.7
20°-30°	2794.9	10.5
30°-40°	4679.6	17.6
40°-50°	7281.8	27.5
50°-60°	7560.8	28.5
60°-70°	1603.4	6.0
70°-80°	528.0	2.0
80°-90°	100.6	0.4
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°	26521.0	100.0
0°-180°	26521.0	100.0

Coefficient of Utilization

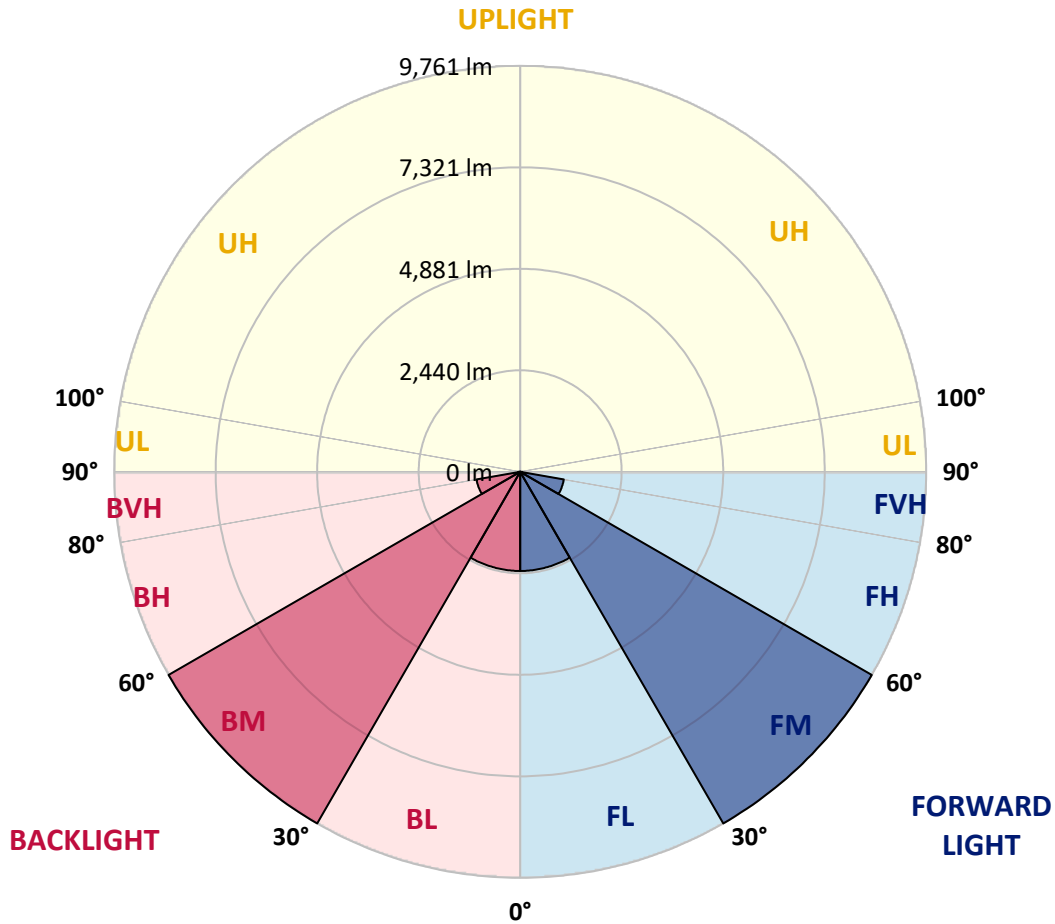


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2383.4	9.0			
FM (30°-60°)	9761.1	36.8			
FH (60°-80°)	1065.7	4.0			G1/1800
FVH (80°-90°)	50.3	0.2			G1/100
BL (0°-30°)	2383.4	9.0	B3/2500		
BM (30°-60°)	9761.1	36.8	B5		
BH (60°-80°)	1065.7	4.0	B3/2500		G1/1800
BVH (80°-90°)	50.3	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°	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3
2.5°	4900.0	4877.6	4839.1	4868.0	4890.4	4842.3	4861.6	4871.2	4864.8	4839.1	4848.7
5°	4970.5	4957.7	4925.7	4948.1	4919.3	4919.3	4900.0	4874.4	4912.8	4906.4	4922.5
7.5°	4970.5	4954.5	5018.6	4976.9	4989.8	4989.8	4957.7	4932.1	4951.3	4922.5	4906.4
10°	5069.9	5092.3	5063.5	5073.1	5066.7	5089.1	5041.0	5025.0	5009.0	4999.4	4980.1
12.5°	5188.4	5172.4	5182.0	5175.6	5198.1	5140.4	5111.5	5076.3	5105.1	5063.5	5092.3
15°	5284.6	5275.0	5284.6	5310.2	5287.8	5284.6	5233.3	5198.1	5153.2	5162.8	5117.9
17.5°	5416.0	5406.4	5409.6	5432.0	5428.8	5412.8	5374.3	5307.0	5291.0	5265.4	5236.5
20°	5611.5	5595.4	5589.0	5598.7	5614.7	5627.5	5550.6	5524.9	5470.5	5428.8	5380.7
22.5°	5778.1	5771.7	5797.3	5755.7	5790.9	5829.4	5755.7	5742.9	5608.3	5585.8	5534.6
25°	6008.9	5999.2	5983.2	6044.1	6085.8	6082.6	6012.1	5941.6	5839.0	5813.4	5813.4
27.5°	6252.4	6197.9	6281.3	6297.3	6371.0	6393.4	6332.5	6230.0	6133.8	6079.4	6092.2
30°	6556.9	6505.6	6524.8	6640.2	6736.3	6819.7	6665.8	6515.2	6380.6	6284.5	6268.4
32.5°	6861.3	6810.0	6867.7	6979.9	7172.2	7297.2	7146.5	6883.7	6726.7	6585.7	6614.6
35°	7108.1	7146.5	7239.5	7409.3	7608.0	7809.9	7569.6	7367.7	7143.3	6986.3	7008.7
37.5°	7505.5	7624.0	7697.7	7893.2	8175.3	8383.6	8133.6	7870.8	7630.4	7425.3	7354.8
40°	8024.6	8104.7	8188.1	8418.8	8752.1	8960.4	8723.3	8380.4	8143.2	7931.7	7922.1
42.5°	8595.1	8672.0	8758.5	9040.5	9239.2	9396.3	9178.3	8995.7	8732.9	8566.2	8556.6
45°	9258.4	9204.0	9300.1	9486.0	9652.6	9755.2	9614.2	9524.4	9335.4	9181.5	9165.5
47.5°	9700.7	9652.6	9825.7	9992.3	10018.0	9905.8	9934.6	10018.0	9819.3	9566.1	9646.2
50°	9957.1	9957.1	10072.4	10226.3	10178.2	10034.0	10261.5	10267.9	10069.2	9844.9	9844.9
52.5°	9511.6	9611.0	9937.9	10441.0	10601.2	10642.9	10591.6	10373.7	9854.5	9396.3	9373.8
55°	8287.4	8265.0	8707.2	9860.9	10793.5	11287.0	10633.3	9630.2	8575.8	8059.9	8008.6
57.5°	5390.3	5416.0	6076.2	7252.3	8934.8	9854.5	8752.1	7342.0	6076.2	5364.7	5432.0
60°	2426.0	2512.5	2913.1	3791.2	5236.5	5986.4	5249.3	3983.5	3057.3	2653.5	2688.8
62.5°	1394.1	1410.1	1426.1	1692.1	2230.5	2637.5	2317.0	1788.2	1576.7	1506.2	1506.2
65°	1176.1	1166.5	1169.7	1192.2	1249.8	1333.2	1297.9	1249.8	1256.3	1249.8	1240.2
67.5°	999.9	1012.7	1003.1	1019.1	1022.3	1035.1	1057.6	1076.8	1080.0	1086.4	1080.0
70°	820.4	823.6	830.0	842.8	846.0	855.7	887.7	903.7	913.3	913.3	926.2
72.5°	628.1	624.9	631.3	644.1	660.2	663.4	692.2	714.7	727.5	711.4	714.7
75°	413.4	416.6	426.2	435.8	458.3	480.7	490.3	512.8	516.0	522.4	506.3
77.5°	246.8	253.2	262.8	282.0	301.2	320.5	342.9	358.9	365.3	358.9	339.7
80°	160.2	160.2	173.1	189.1	211.5	227.5	240.4	253.2	262.8	253.2	246.8
82.5°	99.3	99.3	115.4	134.6	150.6	160.2	179.5	195.5	205.1	198.7	189.1
85°	51.3	54.5	67.3	83.3	96.1	102.6	99.3	89.7	80.1	76.9	70.5
87.5°	16.0	16.0	19.2	19.2	16.0	16.0	19.2	16.0	19.2	19.2	19.2
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)