

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: P533554

Luminaire Tested: **GALN-SA9A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533554
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-SA9A-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 615mA 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: 34008 lumens
Efficiency: N/A
Efficacy: 124.1 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

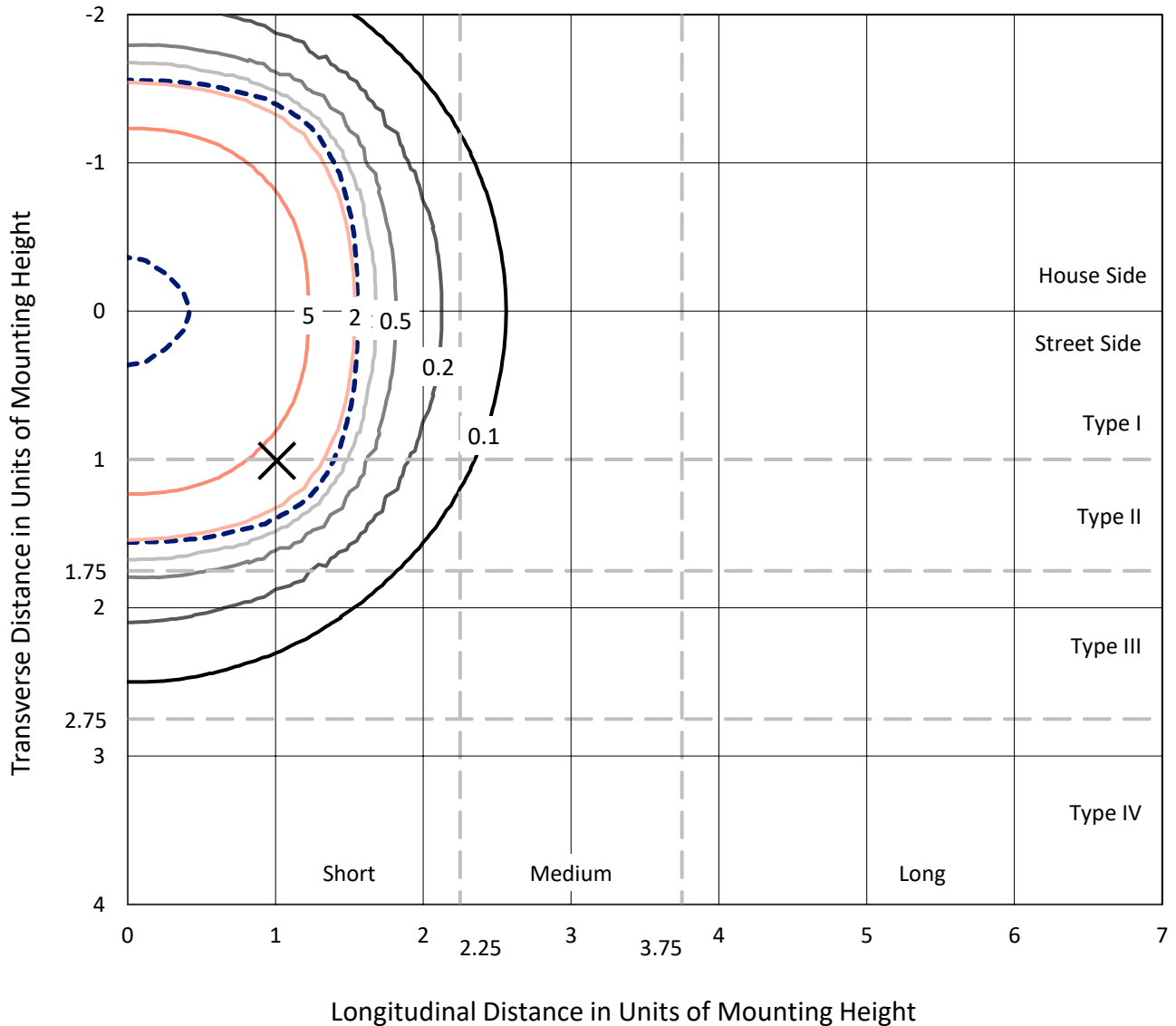
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

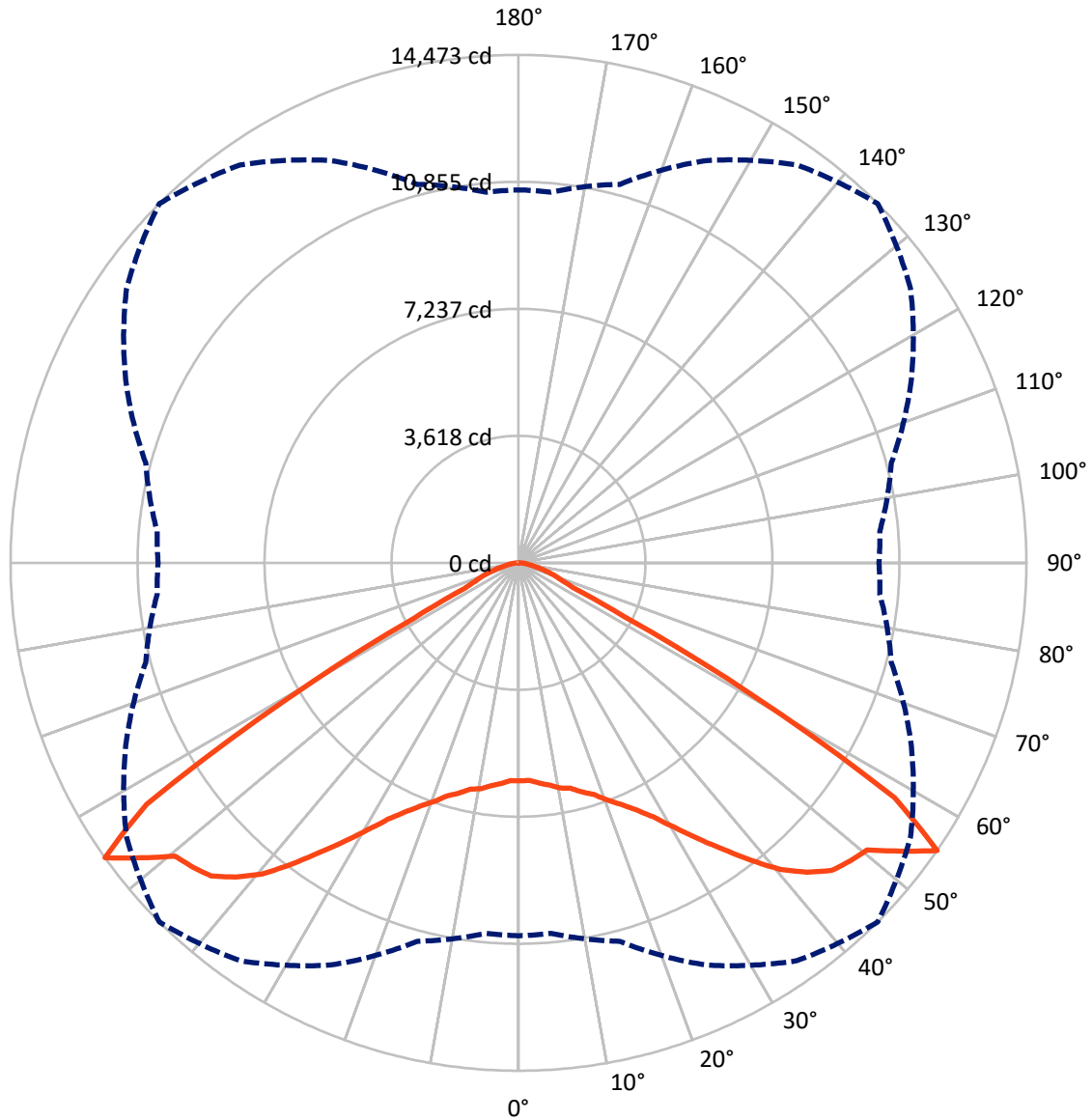
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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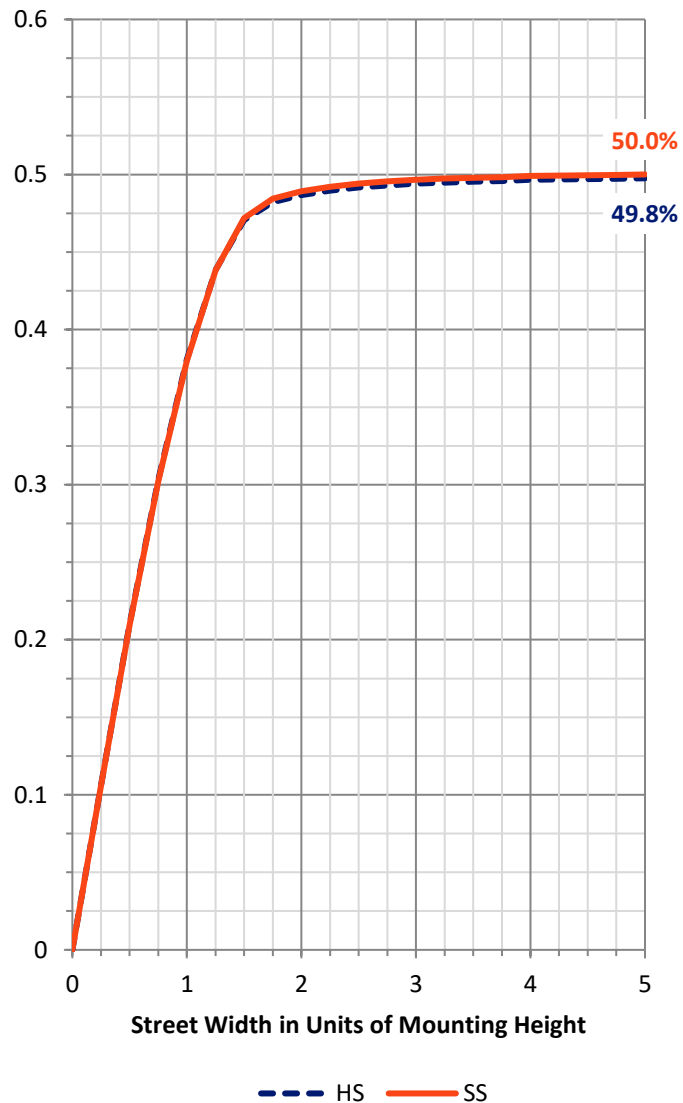
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17004.0	0.0	17004.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17004.0	0.0	17004.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34008.0	0.0	34008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.6	1.8
10°-20°	1922.0	5.7
20°-30°	3583.9	10.5
30°-40°	6000.6	17.6
40°-50°	9337.5	27.5
50°-60°	9695.2	28.5
60°-70°	2056.0	6.0
70°-80°	677.1	2.0
80°-90°	129.0	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°	34008.0	100.0
0°-180°	34008.0	100.0

Coefficient of Utilization

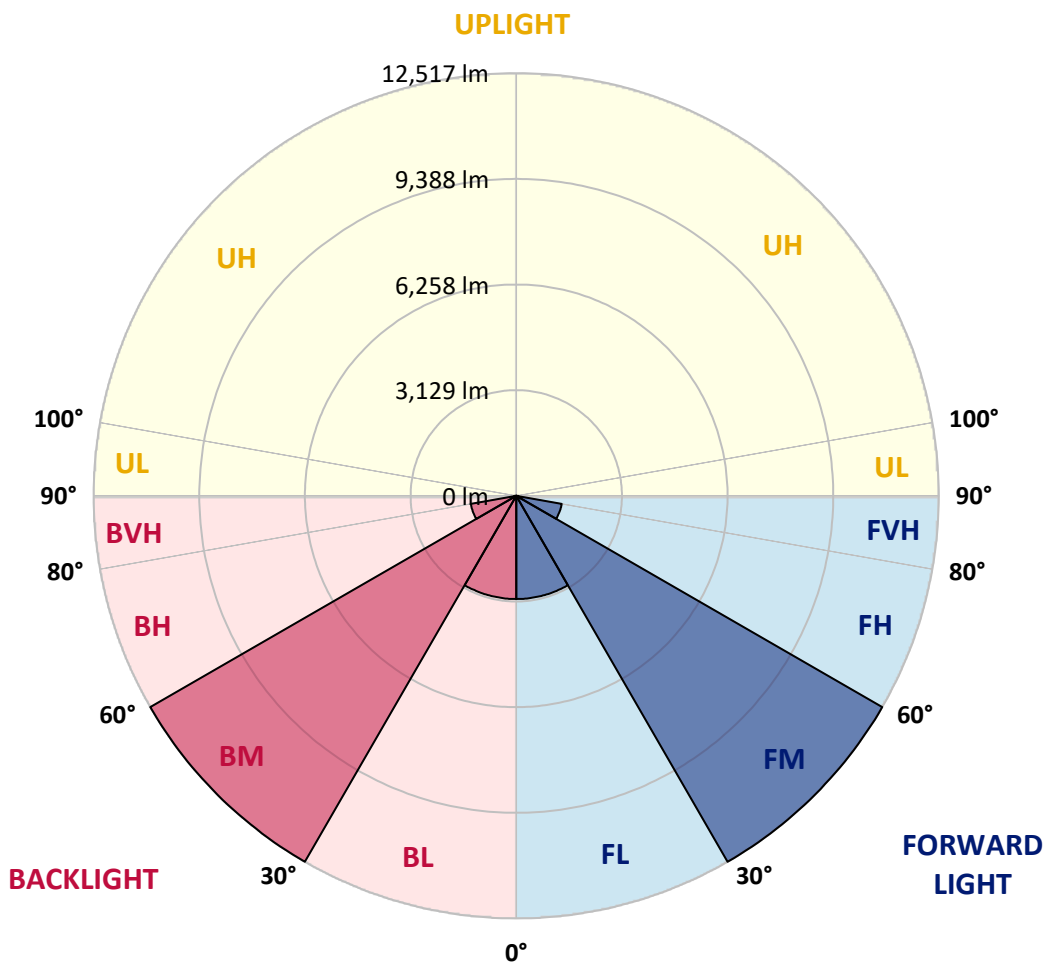


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3056.3	9.0			
FM (30°-60°)	12516.7	36.8			
FH (60°-80°)	1366.6	4.0			G1/1800
FVH (80°-90°)	64.5	0.2			G1/100
BL (0°-30°)	3056.3	9.0	B4/5000		
BM (30°-60°)	12516.7	36.8	B5		
BH (60°-80°)	1366.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	64.5	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°	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4	6209.4
2.5°	6283.3	6254.6	6205.2	6242.2	6271.0	6209.4	6234.0	6246.3	6238.1	6205.2	6217.6
5°	6373.7	6357.3	6316.2	6345.0	6308.0	6308.0	6283.3	6250.4	6299.8	6291.5	6312.1
7.5°	6373.7	6353.2	6435.4	6381.9	6398.4	6398.4	6357.3	6324.4	6349.1	6312.1	6291.5
10°	6501.1	6529.9	6492.9	6505.2	6497.0	6525.8	6464.1	6443.6	6423.0	6410.7	6386.1
12.5°	6653.2	6632.6	6645.0	6636.7	6665.5	6591.5	6554.5	6509.3	6546.3	6492.9	6529.9
15°	6776.5	6764.1	6776.5	6809.3	6780.6	6776.5	6710.7	6665.5	6608.0	6620.3	6562.8
17.5°	6944.9	6932.6	6936.7	6965.5	6961.4	6940.8	6891.5	6805.2	6784.7	6751.8	6714.8
20°	7195.6	7175.1	7166.9	7179.2	7199.7	7216.2	7117.5	7084.7	7014.8	6961.4	6899.7
22.5°	7409.3	7401.1	7434.0	7380.5	7425.7	7475.1	7380.5	7364.1	7191.5	7162.7	7097.0
25°	7705.2	7692.9	7672.3	7750.4	7803.8	7799.7	7709.3	7618.9	7487.4	7454.5	7454.5
27.5°	8017.5	7947.6	8054.5	8075.0	8169.6	8198.3	8120.2	7988.7	7865.5	7795.6	7812.0
30°	8407.9	8342.1	8366.8	8514.7	8638.0	8744.9	8547.6	8354.5	8181.9	8058.6	8038.1
32.5°	8798.3	8732.5	8806.5	8950.3	9196.9	9357.2	9164.0	8827.1	8625.7	8444.9	8481.9
35°	9114.7	9164.0	9283.2	9501.0	9755.8	10014.7	9706.5	9447.6	9159.9	8958.6	8987.3
37.5°	9624.3	9776.3	9870.9	10121.5	10483.2	10750.3	10429.7	10092.8	9784.6	9521.6	9431.1
40°	10290.0	10392.8	10499.6	10795.5	11222.9	11490.0	11185.9	10746.2	10442.1	10170.8	10158.5
42.5°	11021.5	11120.1	11231.1	11592.7	11847.5	12048.9	11769.4	11535.2	11198.2	10984.5	10972.2
45°	11872.2	11802.3	11925.6	12163.9	12377.6	12509.1	12328.3	12213.2	11970.8	11773.5	11753.0
47.5°	12439.3	12377.6	12599.5	12813.2	12846.1	12702.3	12739.2	12846.1	12591.3	12266.7	12369.4
50°	12768.0	12768.0	12915.9	13113.2	13051.6	12866.6	13158.4	13166.6	12911.8	12624.2	12624.2
52.5°	12196.8	12324.2	12743.4	13388.5	13594.0	13647.4	13581.7	13302.2	12636.5	12048.9	12020.1
55°	10627.0	10598.2	11165.3	12644.7	13840.6	14473.4	13635.1	12348.8	10996.8	10335.2	10269.5
57.5°	6912.1	6944.9	7791.5	9299.6	11457.1	12636.5	11222.9	9414.7	7791.5	6879.2	6965.5
60°	3110.8	3221.8	3735.5	4861.5	6714.8	7676.4	6731.3	5108.0	3920.4	3402.6	3447.8
62.5°	1787.6	1808.2	1828.7	2169.8	2860.2	3382.1	2971.1	2293.1	2021.8	1931.4	1931.4
65°	1508.2	1495.8	1499.9	1528.7	1602.7	1709.5	1664.3	1602.7	1610.9	1602.7	1590.4
67.5°	1282.1	1298.6	1286.3	1306.8	1310.9	1327.3	1356.1	1380.8	1384.9	1393.1	1384.9
70°	1052.0	1056.1	1064.3	1080.8	1084.9	1097.2	1138.3	1158.9	1171.2	1171.2	1187.6
72.5°	805.4	801.3	809.6	826.0	846.5	850.7	887.6	916.4	932.8	912.3	916.4
75°	530.1	534.2	546.6	558.9	587.6	616.4	628.7	657.5	661.6	669.8	649.3
77.5°	316.4	324.6	337.0	361.6	386.3	410.9	439.7	460.3	468.5	460.3	435.6
80°	205.5	205.5	221.9	242.5	271.2	291.8	308.2	324.6	337.0	324.6	316.4
82.5°	127.4	127.4	147.9	172.6	193.1	205.5	230.1	250.7	263.0	254.8	242.5
85°	65.8	69.9	86.3	106.8	123.3	131.5	127.4	115.1	102.7	98.6	90.4
87.5°	20.5	20.5	24.7	24.7	20.5	20.5	24.7	20.5	24.7	24.7	24.7
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)