

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: P529757

Luminaire Tested: **GALN-SA5A-722-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-722-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11566 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

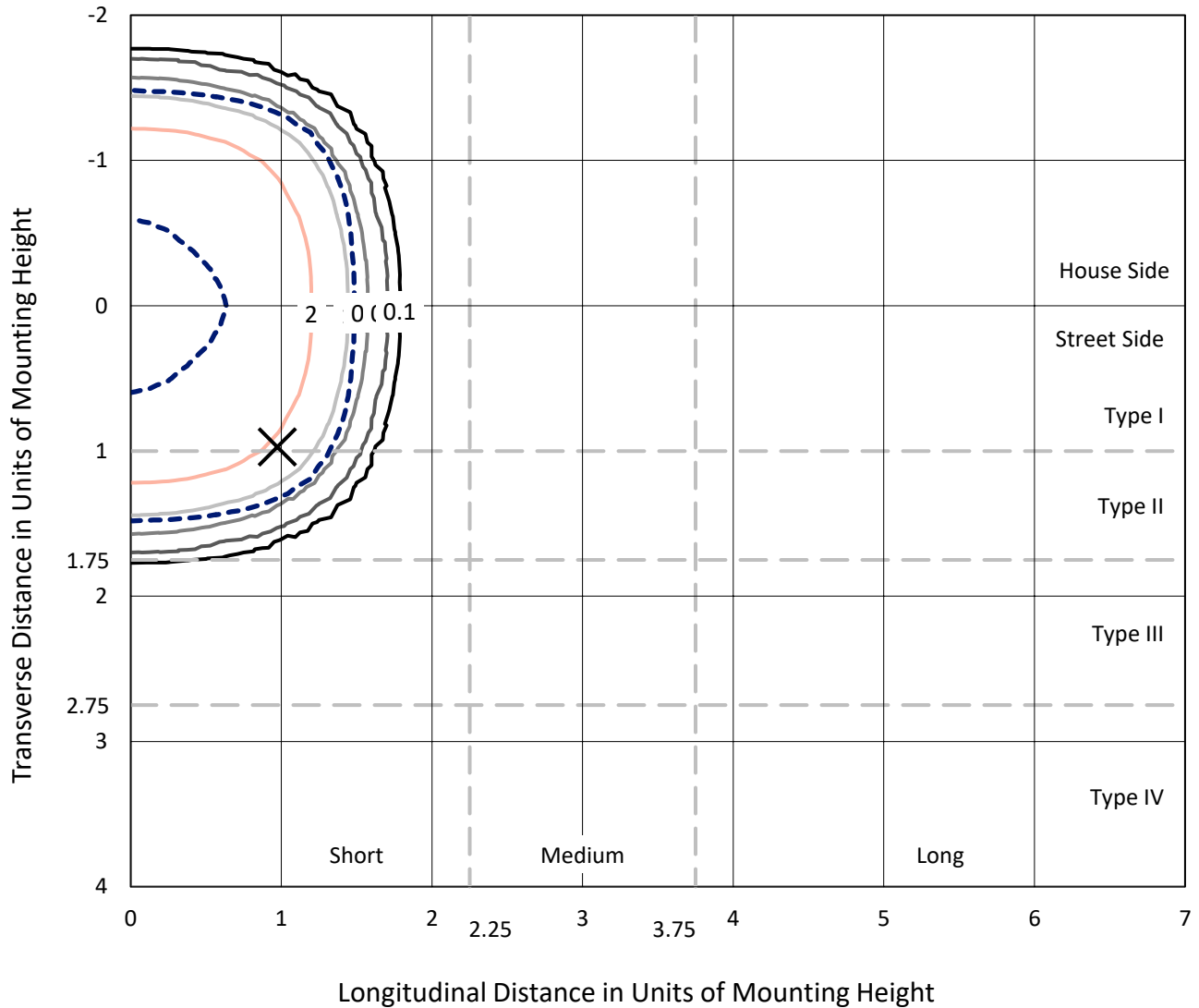
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

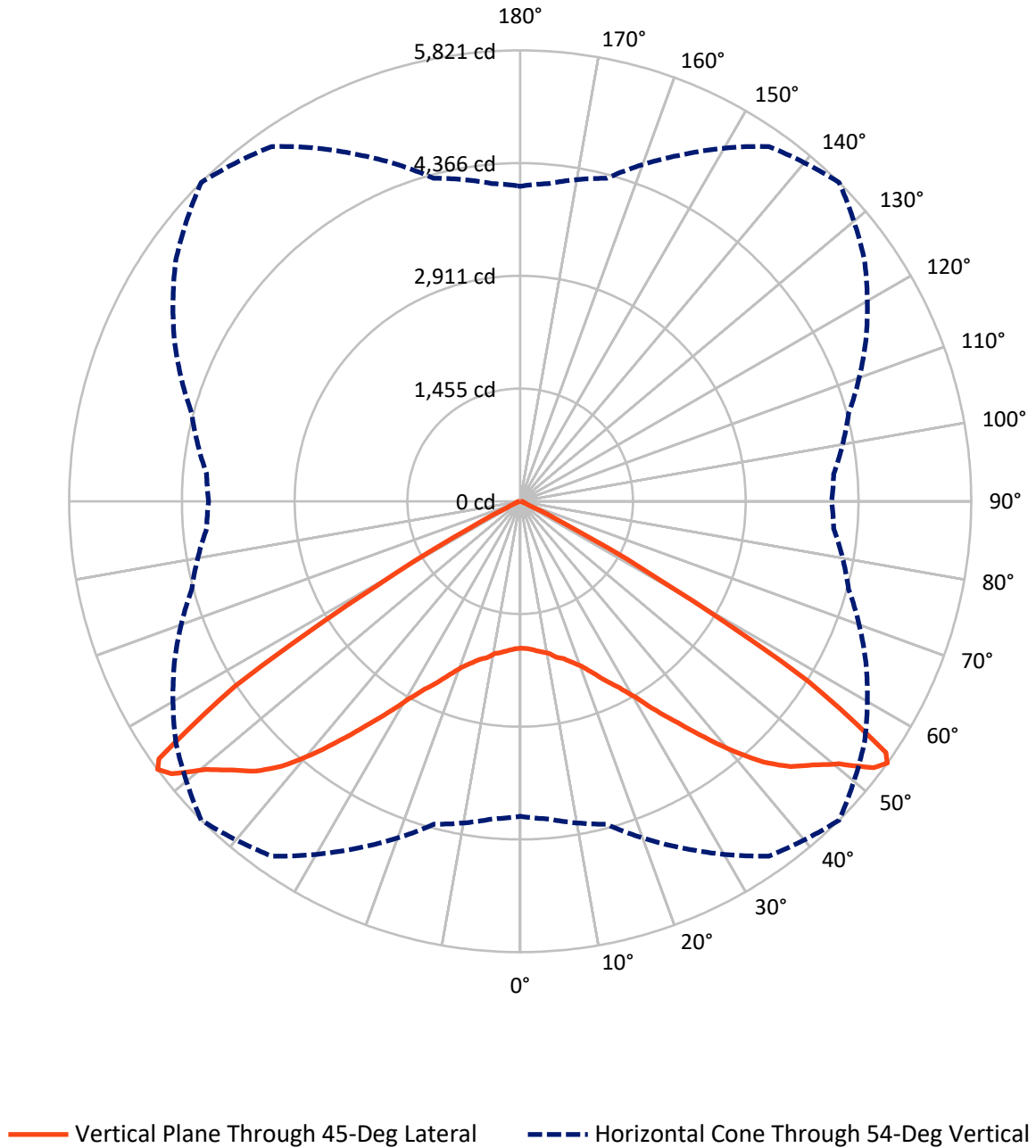
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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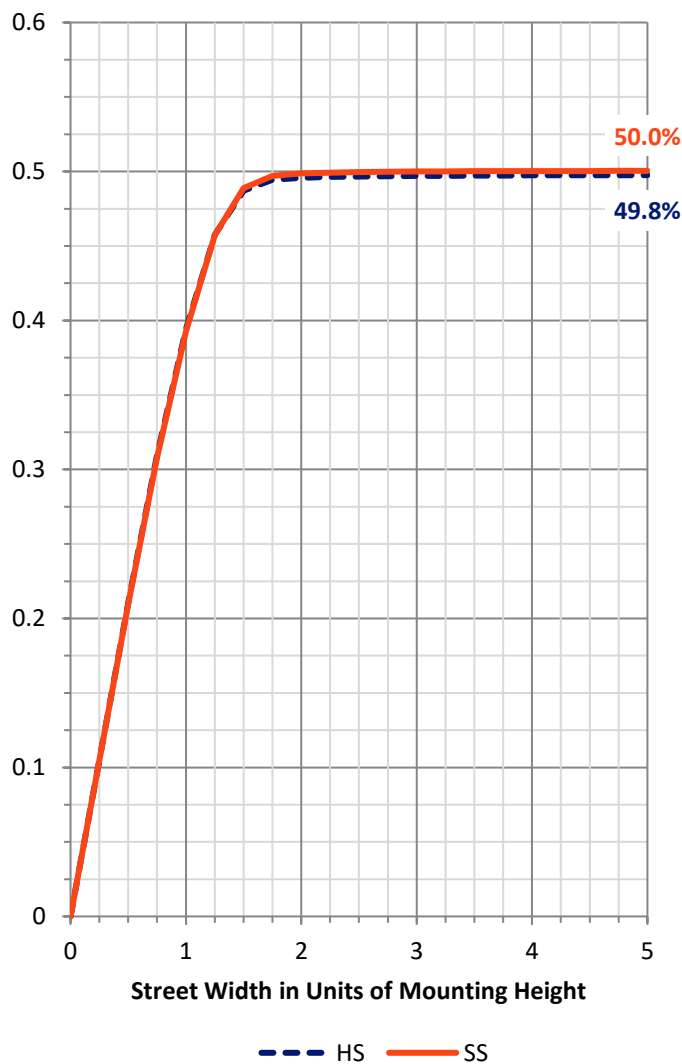
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5783.0	0.0	5783.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5783.0	0.0	5783.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11566.0	0.0	11566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	1.6
10°-20°	601.1	5.2
20°-30°	1178.1	10.2
30°-40°	2118.5	18.3
40°-50°	3626.5	31.4
50°-60°	3509.0	30.3
60°-70°	300.4	2.6
70°-80°	35.6	0.3
80°-90°	11.2	0.1
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°	11566.0	100.0
0°-180°	11566.0	100.0

Coefficient of Utilization



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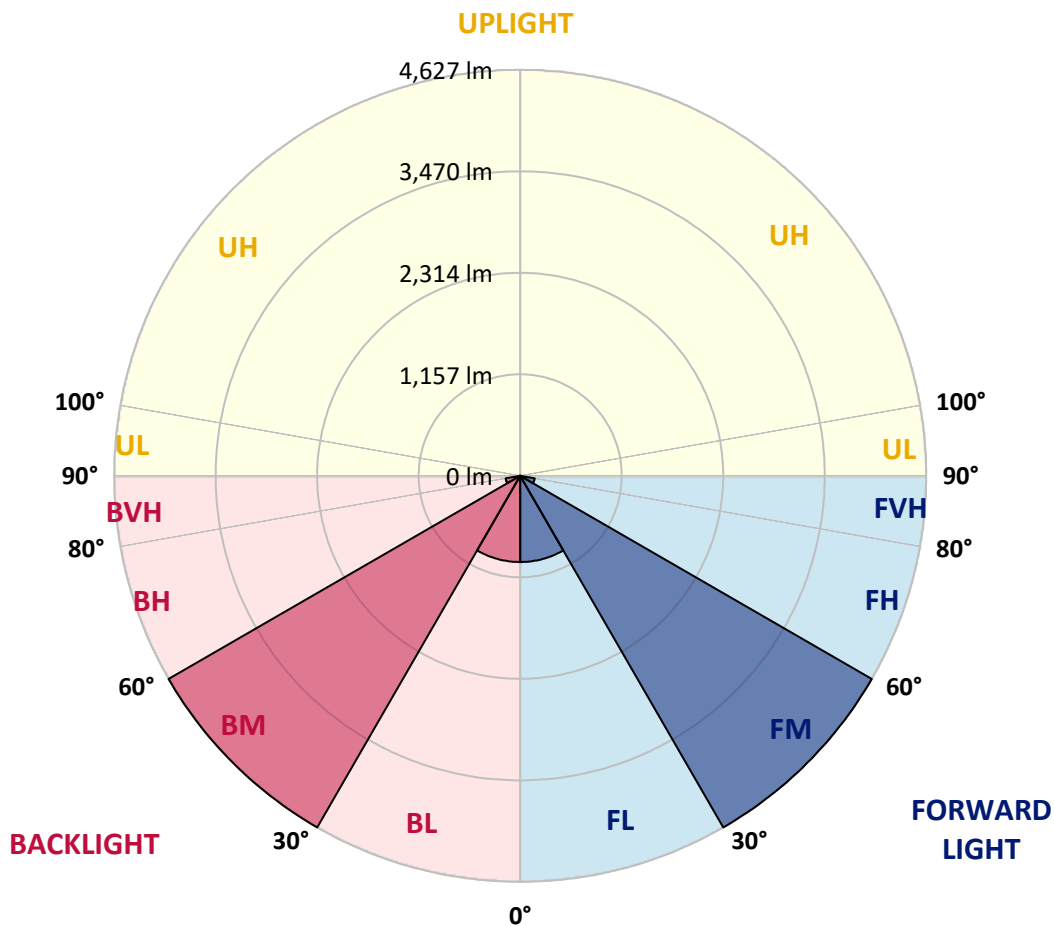
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.4	8.5			
FM (30°-60°)	4627.0	40.0			
FH (60°-80°)	168.0	1.5			G0/660
FVH (80°-90°)	5.6	0.0			G0/10
BL (0°-30°)	982.4	8.5	B2/1000		
BM (30°-60°)	4627.0	40.0	B3/5000		
BH (60°-80°)	168.0	1.5	B1/500		G0/660
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5	1896.5
2.5°	1905.6	1916.6	1909.3	1914.8	1914.8	1905.6	1911.1	1889.1	1903.8	1892.8	1894.6
5°	1934.9	1933.1	1933.1	1934.9	1927.6	1931.3	1923.9	1916.6	1911.1	1903.8	1925.8
7.5°	1971.6	1971.6	1958.8	1962.4	1958.8	1964.3	1949.6	1934.9	1929.4	1923.9	1920.3
10°	2006.4	2002.7	1997.2	2013.7	2000.9	1993.6	1986.2	1977.1	1956.9	1949.6	1942.3
12.5°	2057.7	2055.9	2048.5	2065.0	2057.7	2065.0	2037.6	2013.7	2010.1	1986.2	1999.1
15°	2118.2	2134.7	2121.8	2121.8	2118.2	2109.0	2098.0	2087.0	2054.0	2044.9	2046.7
17.5°	2197.0	2191.5	2193.3	2193.3	2211.6	2187.8	2165.8	2138.3	2121.8	2116.3	2098.0
20°	2272.1	2279.4	2277.6	2290.4	2301.4	2275.8	2251.9	2248.3	2202.5	2209.8	2184.1
22.5°	2404.0	2398.5	2407.7	2416.8	2409.5	2405.9	2383.9	2356.4	2316.1	2297.7	2294.1
25°	2543.3	2534.1	2517.6	2539.6	2550.6	2567.1	2525.0	2510.3	2448.0	2420.5	2422.3
27.5°	2662.4	2675.2	2693.5	2702.7	2730.2	2724.7	2695.4	2647.7	2600.1	2568.9	2548.8
30°	2825.5	2832.8	2863.9	2876.8	2924.4	2937.2	2891.4	2836.4	2752.2	2711.9	2688.0
32.5°	2975.7	3027.0	3025.2	3089.3	3166.3	3219.4	3137.0	3052.7	2968.4	2920.7	2878.6
35°	3219.4	3210.2	3263.4	3331.2	3455.8	3516.2	3426.5	3329.3	3201.1	3124.1	3091.1
37.5°	3446.6	3450.3	3521.7	3629.8	3772.8	3866.2	3787.4	3628.0	3496.1	3397.1	3351.3
40°	3776.4	3783.8	3857.1	3979.8	4141.1	4241.8	4150.2	3989.0	3813.1	3736.1	3736.1
42.5°	4163.1	4194.2	4241.8	4348.1	4492.9	4604.7	4522.2	4395.8	4218.0	4119.1	4133.7
45°	4560.7	4575.3	4606.5	4764.1	4831.9	4886.8	4809.9	4751.2	4632.1	4511.2	4491.0
47.5°	4932.6	4938.1	5029.8	5079.2	5132.4	5086.6	5136.0	5059.1	4925.3	4808.0	4784.2
50°	5097.5	5088.4	5218.5	5368.7	5409.0	5328.4	5286.3	5235.0	5031.6	4890.5	4828.2
52.5°	4617.5	4670.6	4912.5	5330.3	5645.4	5713.2	5467.7	5231.3	4852.0	4577.2	4535.0
54°	4067.8	4117.3	4317.0	4936.3	5592.3	5821.3	5425.5	4923.5	4388.4	4062.3	4020.1
55°	3523.6	3468.6	3831.4	4463.6	5343.1	5726.0	5258.8	4525.9	3913.9	3615.2	3556.6
57.5°	1907.5	1916.6	2222.6	2820.0	3754.4	4390.3	3877.2	3061.8	2312.4	1977.1	1947.8
60°	604.7	619.3	753.1	1139.7	1793.9	2142.0	1836.0	1229.5	850.2	681.6	654.1
62.5°	188.7	196.1	214.4	318.8	491.1	701.8	549.7	329.8	245.5	225.4	229.0
65°	115.4	115.4	117.3	124.6	146.6	170.4	164.9	144.8	139.3	135.6	133.8
67.5°	75.1	73.3	77.0	82.5	86.1	88.0	93.4	98.9	97.1	93.4	93.4
70°	45.8	44.0	47.6	55.0	56.8	60.5	66.0	73.3	71.5	67.8	69.6
72.5°	25.7	25.7	27.5	33.0	38.5	42.1	47.6	53.1	55.0	53.1	53.1
75°	9.2	11.0	14.7	20.2	23.8	29.3	34.8	40.3	45.8	42.1	40.3
77.5°	3.7	3.7	7.3	12.8	18.3	23.8	33.0	38.5	42.1	38.5	34.8
80°	1.8	1.8	5.5	11.0	16.5	22.0	27.5	33.0	34.8	31.1	27.5
82.5°	1.8	1.8	5.5	11.0	16.5	20.2	29.3	33.0	36.6	33.0	27.5
85°	0.0	1.8	5.5	11.0	14.7	16.5	16.5	11.0	9.2	5.5	5.5
87.5°	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)