

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: P528619

Luminaire Tested: **GALN-SA3D-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12481 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

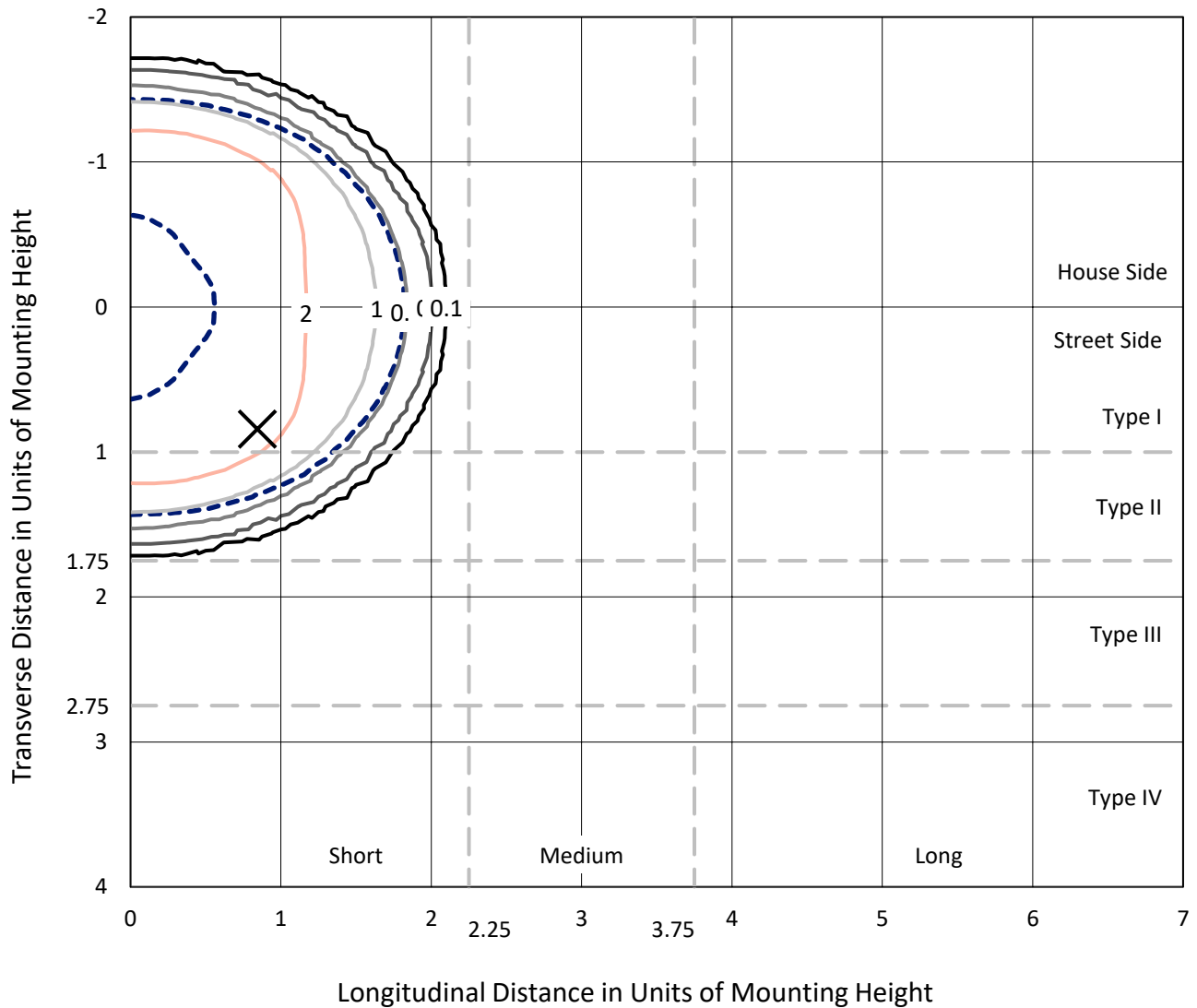
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

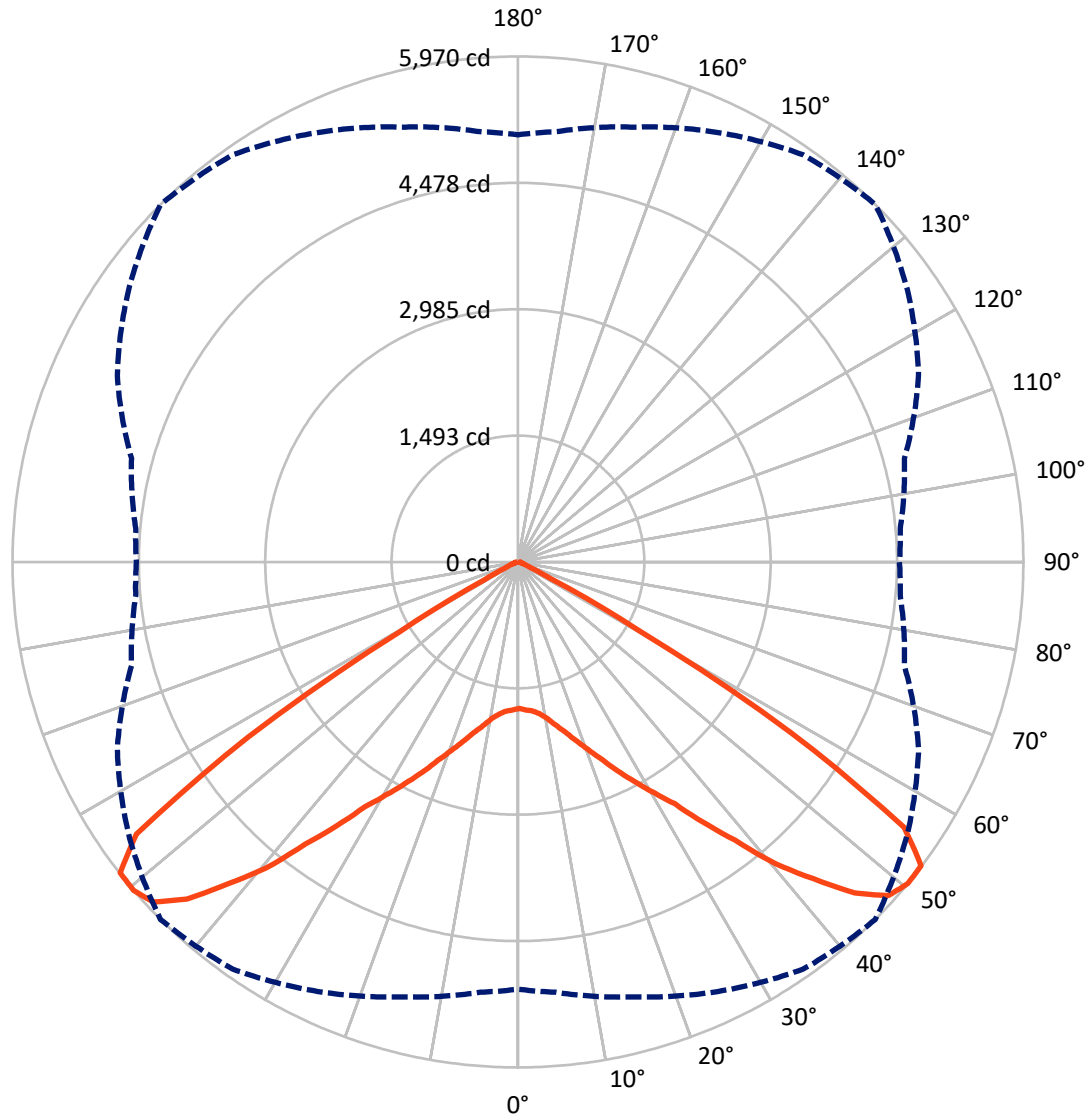
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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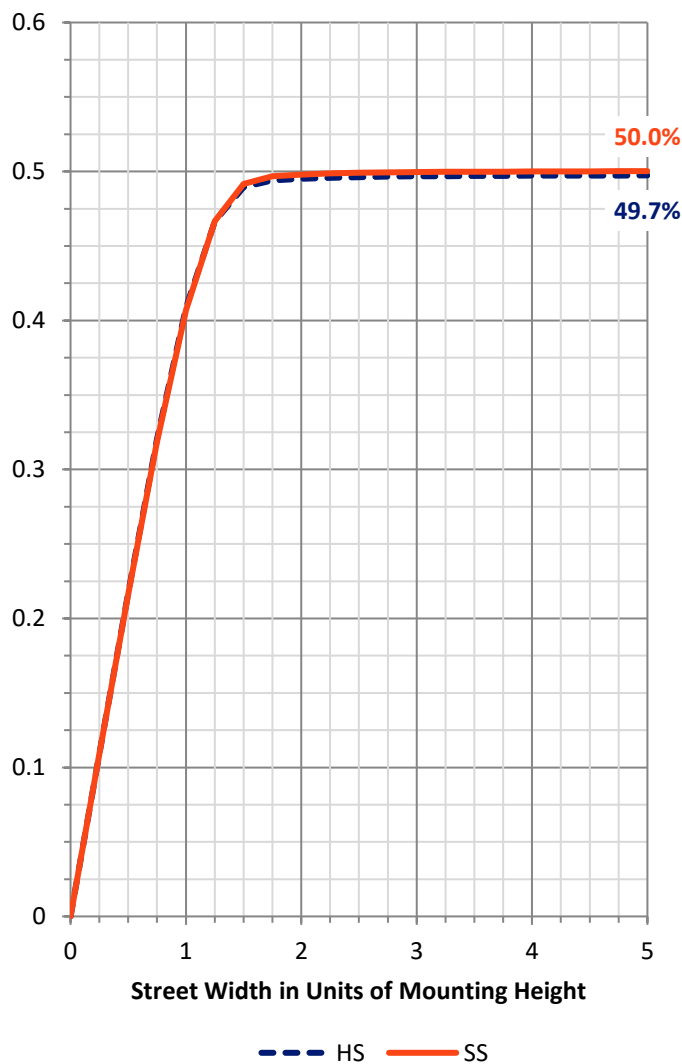
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6240.5	0.0	6240.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6240.5	0.0	6240.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12481.0	0.0	12481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	1.4
10°-20°	593.3	4.8
20°-30°	1211.8	9.7
30°-40°	2310.8	18.5
40°-50°	3894.1	31.2
50°-60°	3713.7	29.8
60°-70°	518.4	4.2
70°-80°	49.6	0.4
80°-90°	17.1	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°	12481.0	100.0
0°-180°	12481.0	100.0

Coefficient of Utilization



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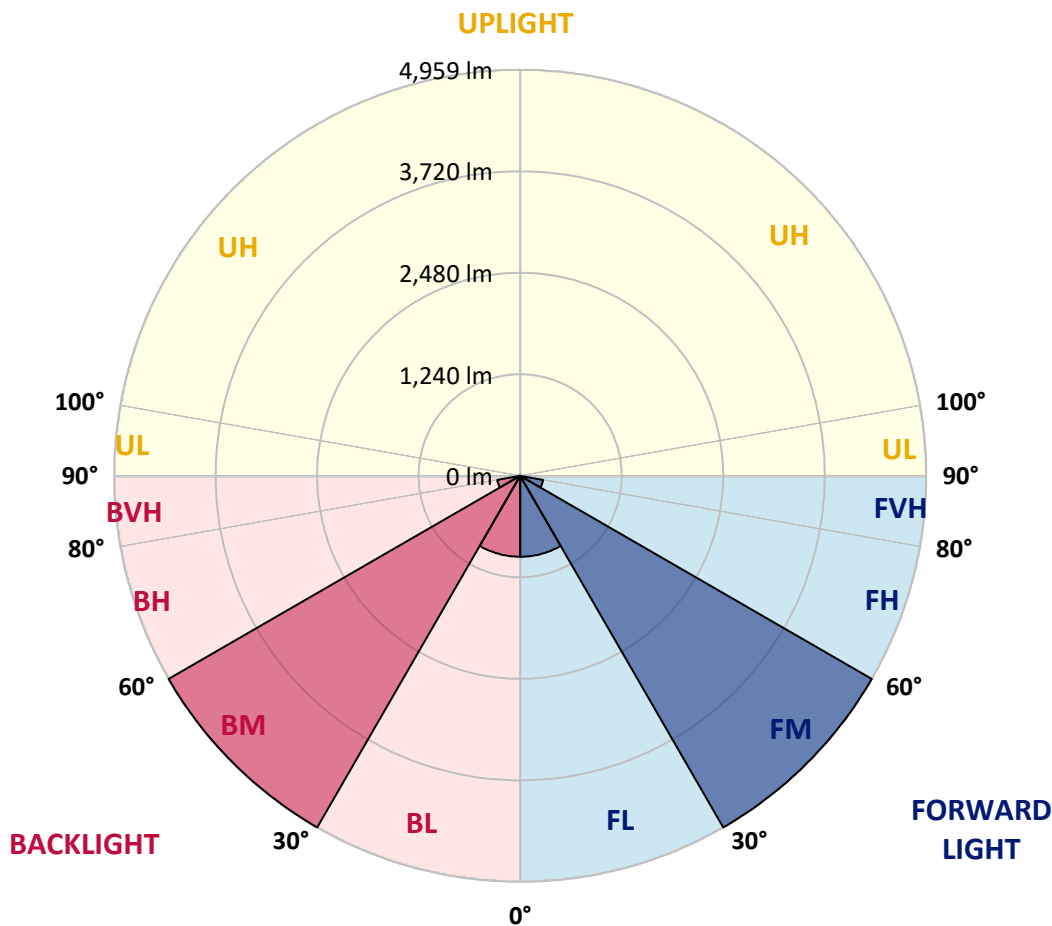
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.6	7.9			
FM (30°-60°)	4959.3	39.7			
FH (60°-80°)	284.0	2.3			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	988.6	7.9	B2/1000		
BM (30°-60°)	4959.3	39.7	B3/5000		
BH (60°-80°)	284.0	2.3	B1/500		G0/660
BVH (80°-90°)	8.6	0.1			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°	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4	1730.4
2.5°	1724.1	1724.1	1722.0	1738.8	1730.4	1749.3	1747.2	1753.5	1759.8	1757.7	1774.5
5°	1709.4	1707.3	1707.3	1726.2	1745.1	1766.1	1785.0	1797.6	1818.6	1818.6	1839.6
7.5°	1724.1	1713.6	1728.3	1736.7	1772.4	1808.1	1839.6	1864.7	1913.0	1929.8	1923.5
10°	1728.3	1740.9	1751.4	1776.6	1820.7	1875.2	1902.5	1965.5	2020.1	2057.9	2066.3
12.5°	1755.6	1774.5	1803.9	1864.7	1904.6	1976.0	2013.8	2074.7	2150.3	2192.3	2221.7
15°	1808.1	1814.4	1852.2	1929.8	2015.9	2081.0	2139.8	2183.9	2257.4	2305.7	2307.8
17.5°	1875.2	1902.5	1955.0	2028.5	2118.8	2215.4	2261.6	2309.9	2337.2	2402.3	2417.0
20°	2009.6	2013.8	2064.2	2160.8	2274.2	2362.4	2396.0	2421.2	2410.7	2477.9	2490.5
22.5°	2135.6	2139.8	2202.8	2333.0	2454.8	2530.4	2545.1	2530.4	2498.9	2547.2	2551.4
25°	2263.7	2301.5	2347.7	2477.9	2629.1	2729.9	2732.0	2692.1	2627.0	2635.4	2656.4
27.5°	2463.2	2490.5	2538.8	2658.5	2824.4	2937.8	2918.9	2870.6	2786.6	2792.9	2786.6
30°	2696.3	2721.5	2761.4	2914.7	3036.5	3160.4	3187.7	3141.5	3015.5	2988.2	3019.7
32.5°	2977.7	3013.4	3086.9	3227.6	3330.5	3406.1	3425.0	3408.2	3290.6	3280.1	3301.1
35°	3320.0	3368.3	3435.5	3559.4	3643.4	3779.9	3779.9	3723.2	3616.1	3628.7	3626.6
37.5°	3681.2	3752.6	3857.6	3983.6	4097.0	4170.5	4147.4	4099.1	3992.0	3964.7	3992.0
40°	4134.8	4170.5	4302.8	4466.6	4605.2	4689.2	4590.5	4485.5	4229.3	4269.2	4342.7
42.5°	4548.5	4605.2	4706.0	4886.6	5044.1	5113.4	4995.8	4787.9	4479.2	4447.7	4502.3
45°	4901.3	4962.2	5094.5	5352.8	5518.7	5579.5	5319.2	4983.2	4630.4	4550.6	4573.7
47.5°	5136.5	5168.0	5352.8	5598.4	5749.6	5888.2	5514.5	5117.6	4701.8	4550.6	4542.2
50°	5046.2	5100.8	5317.1	5596.3	5871.4	5970.1	5613.1	5220.5	4724.9	4531.7	4506.5
52.5°	4481.3	4575.8	4817.3	5193.2	5608.9	5961.7	5749.6	5186.9	4716.5	4550.6	4588.4
55°	3118.4	3120.5	3414.5	3968.9	4703.9	5535.5	5550.2	5224.7	4771.1	4668.2	4670.3
57.5°	1253.7	1316.7	1541.4	2097.8	2776.1	3800.9	4519.1	4846.7	4777.4	4752.2	4817.3
60°	317.1	319.2	388.5	592.2	976.5	1629.6	2366.6	3202.4	3687.5	3853.4	3876.5
62.5°	161.7	163.8	180.6	210.0	266.7	436.8	777.0	1232.7	1753.5	2018.0	2087.3
65°	132.3	132.3	142.8	157.5	159.6	168.0	201.6	287.7	417.9	474.6	480.9
67.5°	100.8	100.8	109.2	117.6	121.8	119.7	115.5	119.7	144.9	138.6	134.4
70°	63.0	65.1	69.3	77.7	81.9	84.0	86.1	90.3	102.9	107.1	102.9
72.5°	37.8	37.8	39.9	46.2	52.5	56.7	63.0	67.2	73.5	84.0	81.9
75°	16.8	16.8	21.0	27.3	33.6	39.9	46.2	52.5	56.7	63.0	65.1
77.5°	4.2	6.3	10.5	18.9	25.2	33.6	42.0	48.3	52.5	52.5	50.4
80°	2.1	2.1	8.4	14.7	27.3	35.7	46.2	50.4	56.7	52.5	46.2
82.5°	2.1	2.1	8.4	14.7	25.2	35.7	48.3	54.6	58.8	52.5	44.1
85°	0.0	2.1	6.3	12.6	21.0	25.2	21.0	14.7	8.4	8.4	6.3
87.5°	0.0	0.0	2.1	2.1	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)