

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: P528615

Luminaire Tested: **GALN-SA3D-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
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-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10074 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

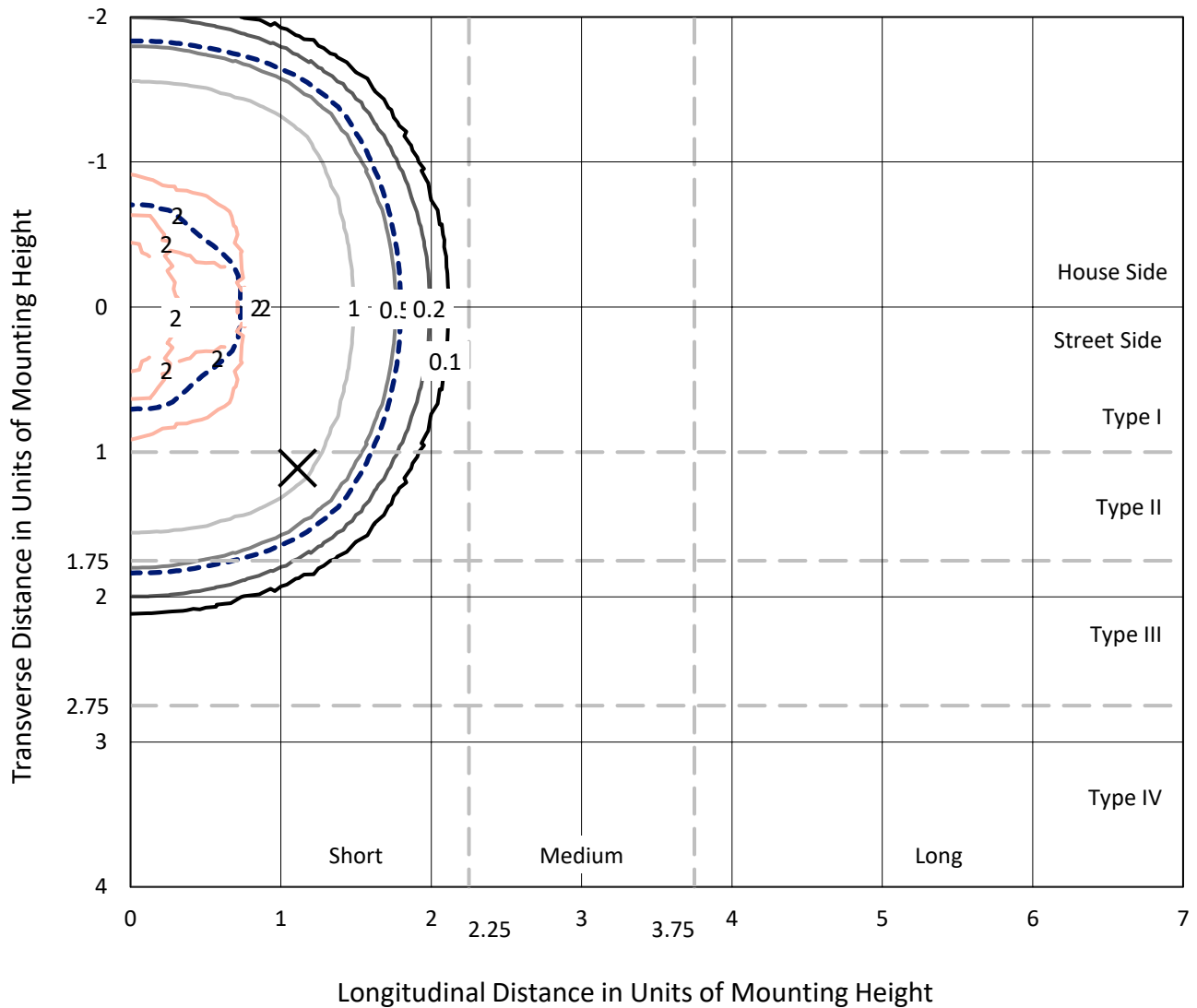
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

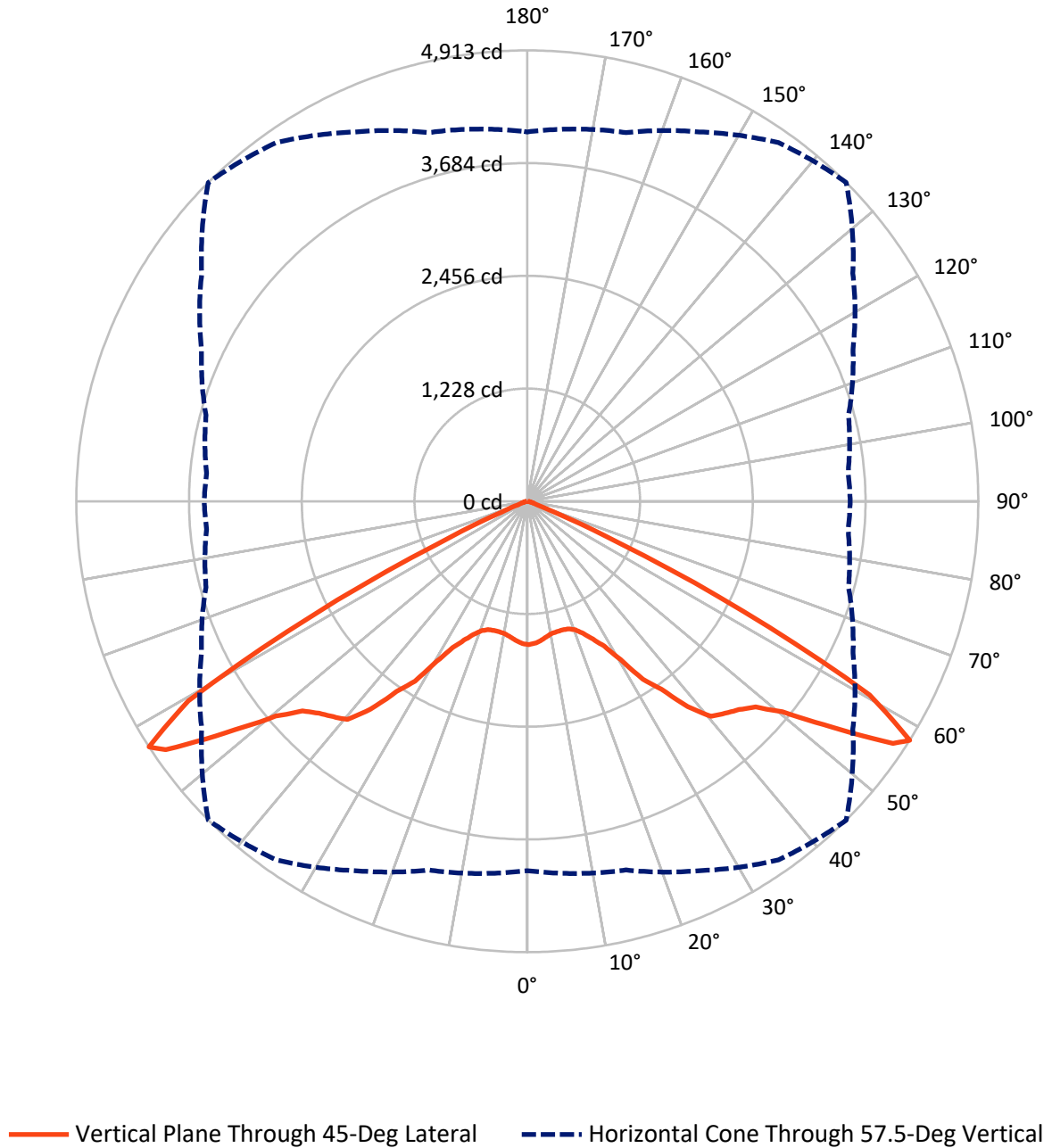
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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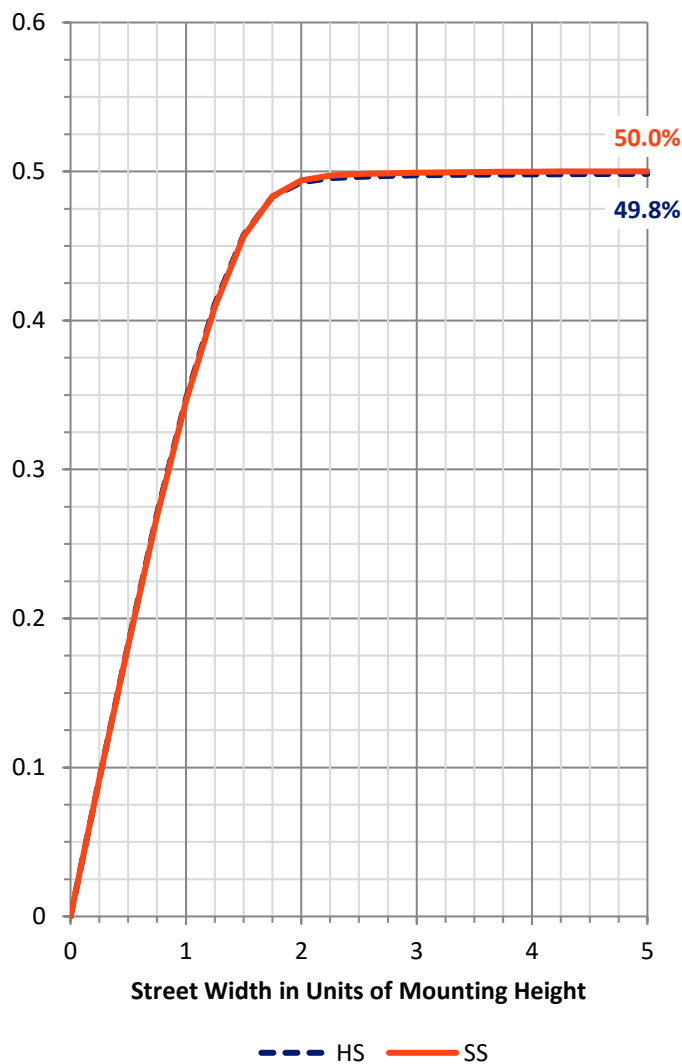
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5037.0	0.0	5037.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5037.0	0.0	5037.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10074.0	0.0	10074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	1.4
10°-20°	415.1	4.1
20°-30°	766.1	7.6
30°-40°	1506.7	15.0
40°-50°	2454.0	24.4
50°-60°	3499.7	34.7
60°-70°	1211.7	12.0
70°-80°	65.0	0.6
80°-90°	12.2	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°	10074.0	100.0
0°-180°	10074.0	100.0

Coefficient of Utilization

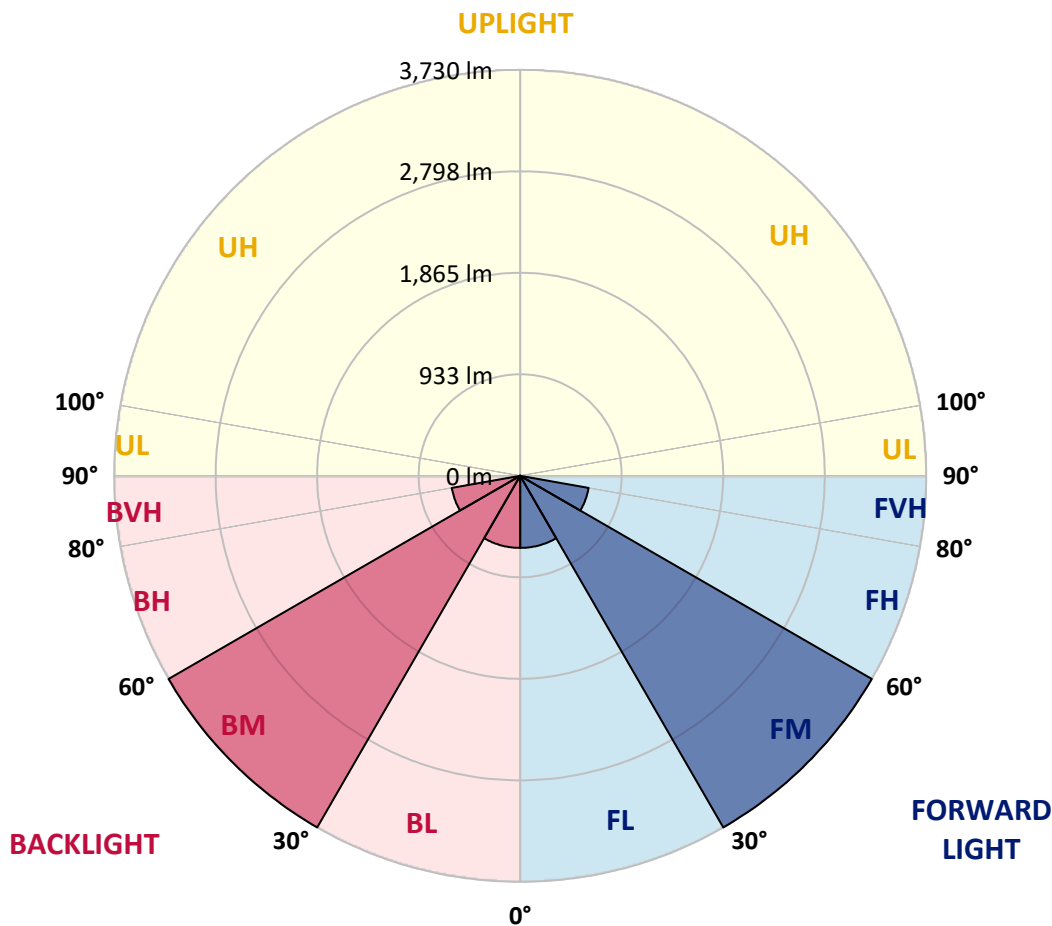


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	662.4	6.6			
FM (30°-60°)	3730.2	37.0			
FH (60°-80°)	638.3	6.3			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	662.4	6.6	B2/1000		
BM (30°-60°)	3730.2	37.0	B3/5000		
BH (60°-80°)	638.3	6.3	B2/1000		G0/660
BVH (80°-90°)	6.1	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°	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6	1562.6
2.5°	1558.4	1566.8	1556.3	1552.1	1550.0	1550.0	1543.7	1543.7	1541.6	1543.7	1535.3
5°	1533.2	1541.6	1541.6	1539.5	1526.9	1524.8	1518.5	1514.3	1516.4	1508.0	1514.3
7.5°	1508.0	1514.3	1505.9	1503.8	1499.6	1491.2	1489.1	1470.2	1472.3	1472.3	1476.5
10°	1503.8	1501.7	1489.1	1478.6	1466.0	1463.9	1457.6	1453.4	1453.4	1451.3	1457.6
12.5°	1503.8	1493.3	1491.2	1468.1	1447.1	1455.5	1438.7	1428.2	1442.9	1447.1	1455.5
15°	1501.7	1512.2	1476.5	1466.0	1451.3	1453.4	1438.7	1428.2	1436.6	1440.8	1447.1
17.5°	1514.3	1508.0	1497.5	1476.5	1470.2	1461.8	1442.9	1434.5	1434.5	1445.0	1447.1
20°	1547.9	1531.1	1510.1	1499.6	1505.9	1495.4	1472.3	1440.8	1449.2	1457.6	1463.9
22.5°	1579.4	1566.8	1552.1	1545.8	1581.5	1564.7	1524.8	1489.1	1476.5	1491.2	1501.7
25°	1640.3	1640.3	1613.0	1621.4	1661.3	1663.4	1617.2	1554.2	1545.8	1552.1	1556.3
27.5°	1764.2	1770.5	1747.4	1755.8	1772.6	1787.3	1747.4	1694.9	1676.0	1673.9	1680.2
30°	1898.6	1911.2	1909.1	1944.8	1993.1	2001.5	1942.7	1856.6	1799.9	1789.4	1797.8
32.5°	2075.0	2081.3	2077.1	2119.1	2249.4	2310.3	2157.0	2035.1	1959.5	1978.4	1959.5
35°	2406.9	2400.6	2354.4	2362.8	2469.9	2514.0	2367.0	2289.3	2253.6	2291.4	2283.0
37.5°	2692.5	2669.4	2631.6	2686.2	2797.5	2837.4	2684.1	2547.6	2482.5	2545.5	2572.8
40°	2934.0	2875.2	2822.7	2877.3	3026.5	3081.1	2856.3	2745.0	2719.8	2766.0	2824.8
42.5°	3137.8	3100.0	3030.7	3034.9	3133.6	3158.8	2978.1	2913.0	2887.8	2961.3	2990.8
45°	3282.7	3247.0	3181.9	3177.7	3253.3	3236.5	3074.8	3030.7	3045.4	3093.7	3108.4
47.5°	3356.2	3375.1	3337.3	3347.8	3387.7	3347.8	3219.7	3219.7	3186.1	3215.5	3200.8
50°	3568.3	3509.5	3557.8	3557.8	3599.8	3604.0	3475.9	3429.7	3339.4	3289.0	3289.0
52.5°	3816.1	3820.3	3839.2	3908.6	3980.0	4040.9	3858.2	3660.7	3509.5	3444.4	3436.0
55°	4019.9	4061.9	4137.5	4267.7	4473.5	4557.5	4242.5	3889.7	3704.8	3604.0	3583.0
56°	4131.2	4091.3	4221.5	4400.0	4668.8	4778.1	4305.5	3935.9	3732.1	3618.7	3616.6
57.5°	4024.1	4068.2	4158.5	4439.9	4769.7	4912.5	4328.6	3914.9	3622.9	3507.4	3517.9
60°	3177.7	3219.7	3341.5	3656.5	4173.2	4284.5	3662.8	3228.1	2967.6	2801.7	2803.8
62.5°	1797.8	1829.3	1923.8	2215.8	2537.1	2644.2	2283.0	1993.1	1812.5	1720.1	1690.7
65°	661.6	649.0	663.7	812.8	1010.2	1100.5	949.3	802.3	707.8	674.2	661.6
67.5°	247.8	228.9	214.2	228.9	287.7	304.5	279.3	233.1	218.4	224.7	228.9
70°	153.3	144.9	115.5	109.2	107.1	105.0	111.3	117.6	134.4	157.5	161.7
72.5°	107.1	100.8	81.9	77.7	73.5	71.4	81.9	90.3	105.0	121.8	123.9
75°	42.0	44.1	42.0	46.2	48.3	50.4	58.8	65.1	71.4	71.4	69.3
77.5°	8.4	8.4	12.6	16.8	21.0	27.3	39.9	46.2	48.3	46.2	39.9
80°	0.0	0.0	4.2	8.4	16.8	23.1	35.7	39.9	44.1	39.9	31.5
82.5°	0.0	0.0	4.2	10.5	16.8	21.0	33.6	42.0	48.3	44.1	33.6
85°	0.0	0.0	4.2	8.4	12.6	14.7	14.7	10.5	10.5	6.3	4.2
87.5°	0.0	0.0	0.0	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)