

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: P528145

Luminaire Tested: **GALN-SA3B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528145
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-SA3B-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA 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: 9759 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

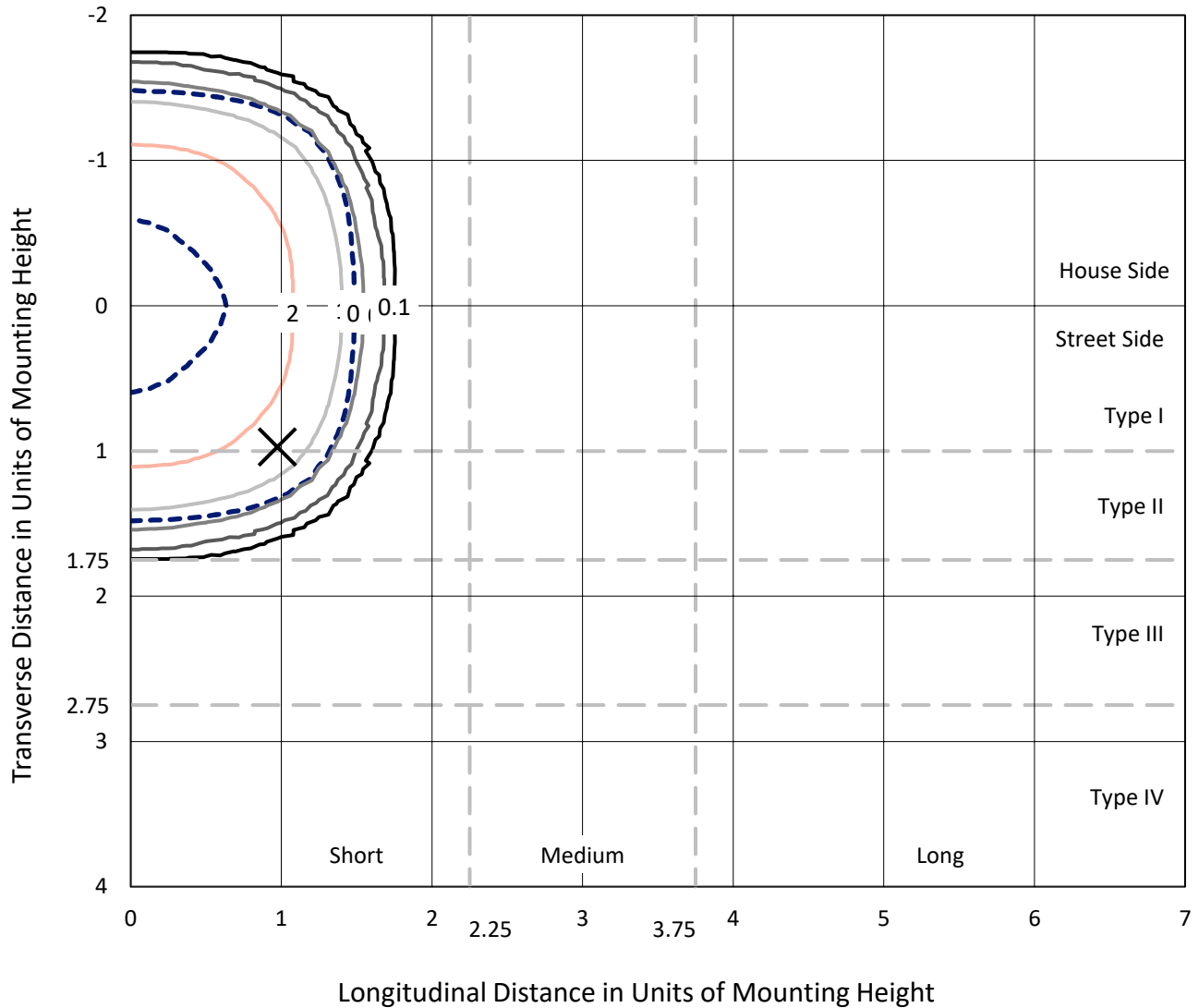
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528145
 CATALOG NUMBER: GALN-SA3B-727-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

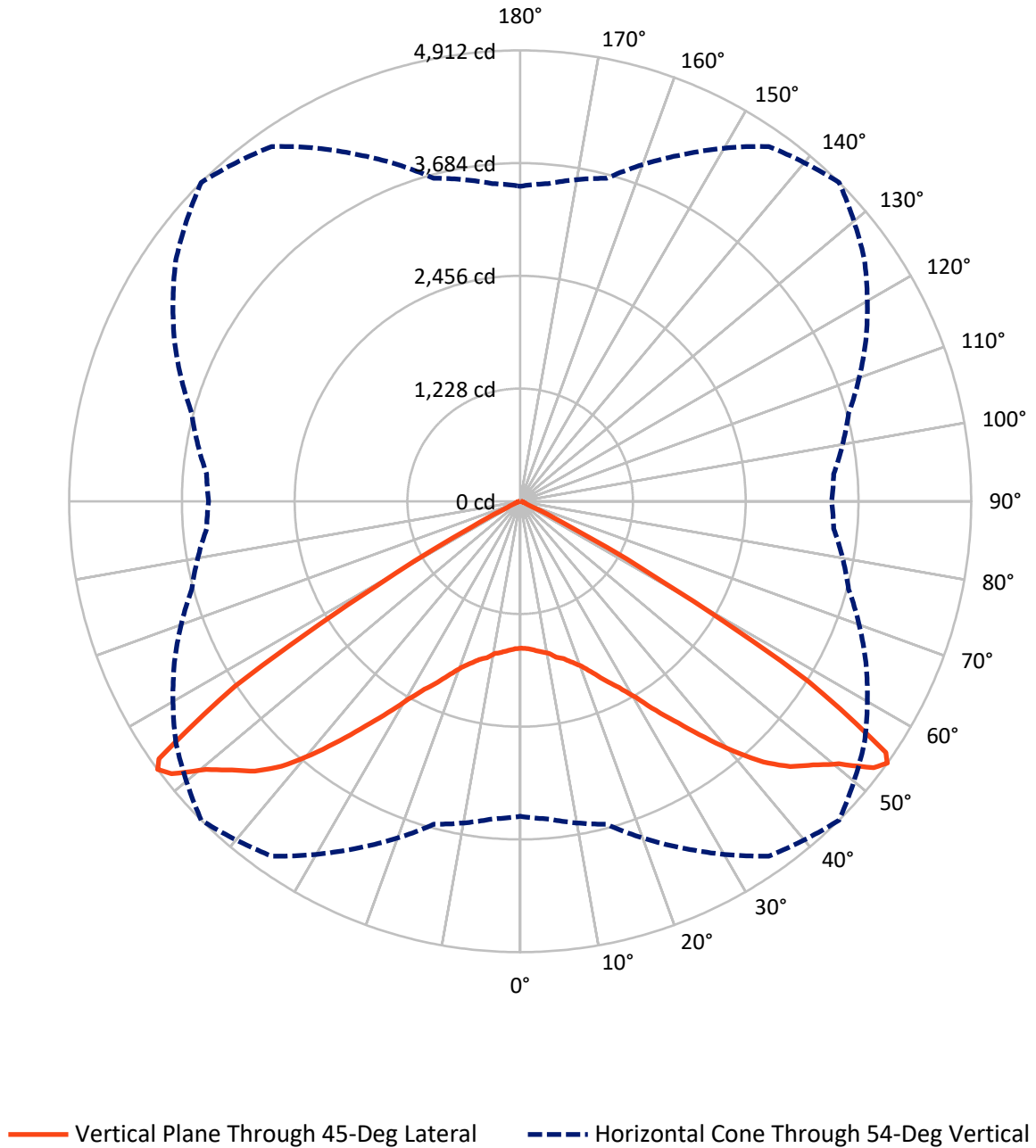
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

REPORT NUMBER: P528145
CATALOG NUMBER: GALN-SA3B-727-U-5NQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P528145
 CATALOG NUMBER: GALN-SA3B-727-U-5NQ-GRSBK

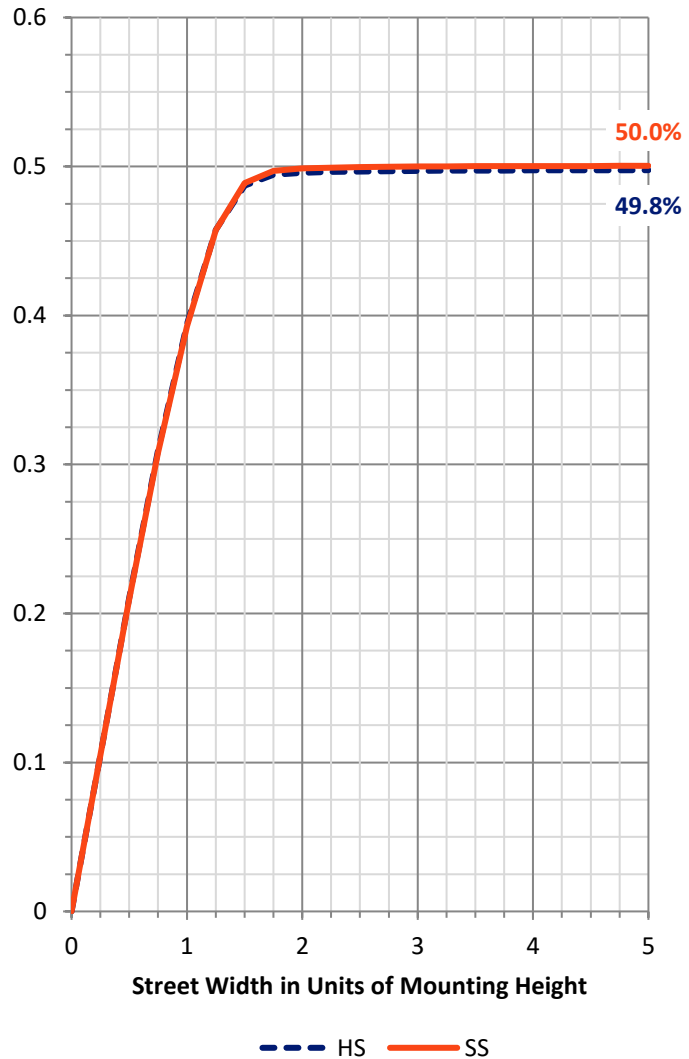
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4879.5	0.0	4879.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4879.5	0.0	4879.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9759.0	0.0	9759.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.6
10°-20°	507.2	5.2
20°-30°	994.1	10.2
30°-40°	1787.5	18.3
40°-50°	3059.9	31.4
50°-60°	2960.8	30.3
60°-70°	253.4	2.6
70°-80°	30.0	0.3
80°-90°	9.4	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°	9759.0	100.0
0°-180°	9759.0	100.0

Coefficient of Utilization



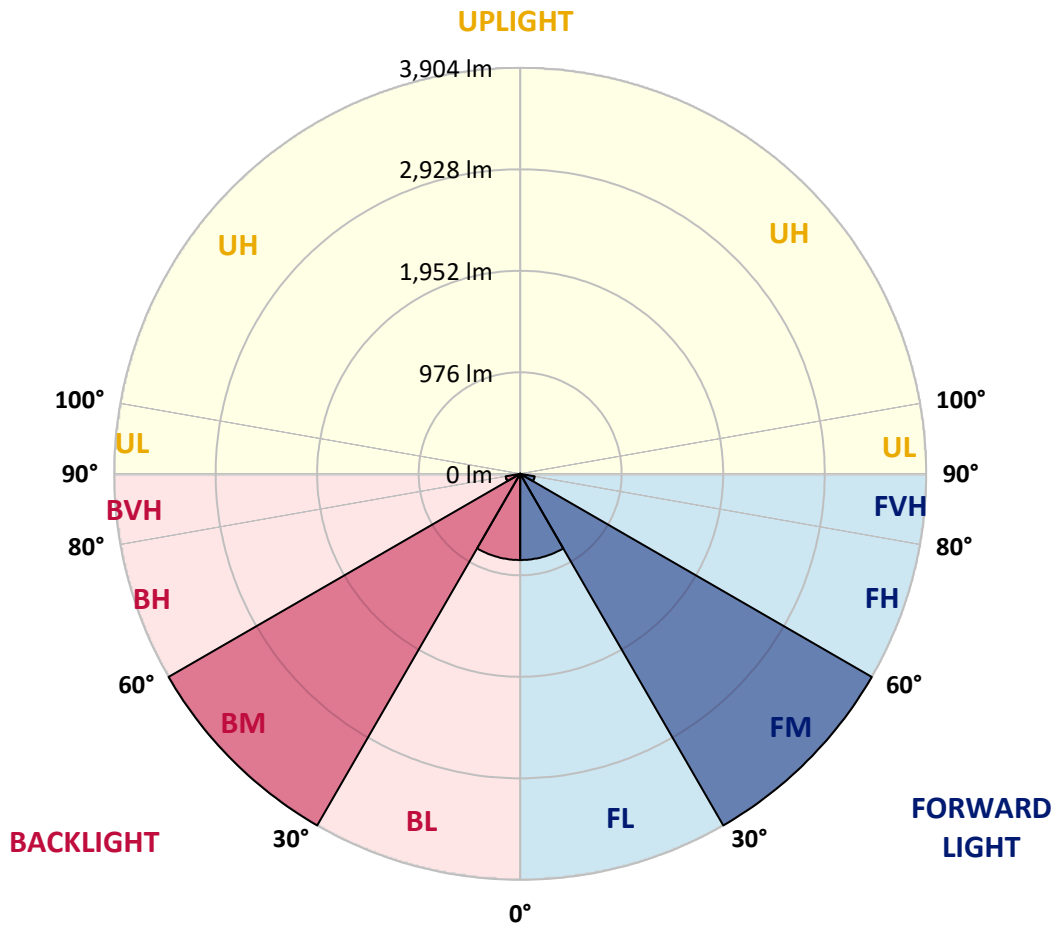
REPORT NUMBER: P528145
 CATALOG NUMBER: GALN-SA3B-727-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.9	8.5			
FM (30°-60°)	3904.1	40.0			
FH (60°-80°)	141.7	1.5			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	828.9	8.5	B2/1000		
BM (30°-60°)	3904.1	40.0	B3/5000		
BH (60°-80°)	141.7	1.5	B1/500		G0/660
BVH (80°-90°)	4.7	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





REPORT NUMBER: P528145

CATALOG NUMBER: GALN-SA3B-727-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2	1600.2
2.5°	1607.9	1617.2	1611.0	1615.6	1615.6	1607.9	1612.5	1594.0	1606.4	1597.1	1598.6
5°	1632.6	1631.1	1631.1	1632.6	1626.5	1629.5	1623.4	1617.2	1612.5	1606.4	1624.9
7.5°	1663.6	1663.6	1652.7	1655.8	1652.7	1657.4	1645.0	1632.6	1628.0	1623.4	1620.3
10°	1692.9	1689.8	1685.2	1699.1	1688.3	1682.1	1675.9	1668.2	1651.2	1645.0	1638.8
12.5°	1736.2	1734.7	1728.5	1742.4	1736.2	1742.4	1719.2	1699.1	1696.0	1675.9	1686.8
15°	1787.2	1801.2	1790.3	1790.3	1787.2	1779.5	1770.2	1761.0	1733.1	1725.4	1726.9
17.5°	1853.7	1849.1	1850.6	1850.6	1866.1	1846.0	1827.4	1804.3	1790.3	1785.7	1770.2
20°	1917.1	1923.3	1921.8	1932.6	1941.9	1920.2	1900.1	1897.0	1858.4	1864.5	1842.9
22.5°	2028.4	2023.8	2031.5	2039.3	2033.1	2030.0	2011.4	1988.2	1954.2	1938.8	1935.7
25°	2145.9	2138.2	2124.3	2142.8	2152.1	2166.0	2130.5	2118.1	2065.5	2042.3	2043.9
27.5°	2246.4	2257.2	2272.7	2280.4	2303.6	2299.0	2274.3	2234.1	2193.9	2167.6	2150.6
30°	2384.0	2390.2	2416.5	2427.3	2467.5	2478.3	2439.7	2393.3	2322.2	2288.2	2268.1
32.5°	2510.8	2554.1	2552.5	2606.7	2671.6	2716.4	2646.9	2575.7	2504.6	2464.4	2428.9
35°	2716.4	2708.7	2753.5	2810.7	2915.9	2966.9	2891.1	2809.2	2701.0	2636.0	2608.2
37.5°	2908.1	2911.2	2971.5	3062.7	3183.3	3262.2	3195.7	3061.2	2949.9	2866.4	2827.7
40°	3186.4	3192.6	3254.5	3358.0	3494.1	3579.1	3501.8	3365.8	3217.4	3152.4	3152.4
42.5°	3512.6	3538.9	3579.1	3668.8	3790.9	3885.2	3815.7	3709.0	3559.0	3475.5	3487.9
45°	3848.1	3860.5	3886.8	4019.8	4077.0	4123.3	4058.4	4008.9	3908.4	3806.4	3789.4
47.5°	4162.0	4166.6	4243.9	4285.7	4330.5	4291.9	4333.6	4268.7	4155.8	4056.9	4036.8
50°	4301.1	4293.4	4403.2	4530.0	4564.0	4495.9	4460.4	4417.1	4245.5	4126.4	4073.9
52.5°	3896.1	3940.9	4145.0	4497.5	4763.4	4820.6	4613.4	4414.0	4094.0	3862.1	3826.5
54°	3432.3	3474.0	3642.5	4165.1	4718.6	4911.8	4577.9	4154.3	3702.8	3427.6	3392.1
55°	2973.1	2926.7	3232.8	3766.2	4508.3	4831.4	4437.2	3818.8	3302.4	3050.4	3000.9
57.5°	1609.4	1617.2	1875.4	2379.4	3167.9	3704.4	3271.5	2583.5	1951.1	1668.2	1643.5
60°	510.2	522.6	635.4	961.6	1513.6	1807.3	1549.2	1037.4	717.4	575.1	551.9
62.5°	159.2	165.4	180.9	269.0	414.3	592.1	463.8	278.3	207.2	190.2	193.3
65°	97.4	97.4	98.9	105.1	123.7	143.8	139.1	122.1	117.5	114.4	112.9
67.5°	63.4	61.8	64.9	69.6	72.7	74.2	78.8	83.5	81.9	78.8	78.8
70°	38.7	37.1	40.2	46.4	47.9	51.0	55.7	61.8	60.3	57.2	58.8
72.5°	21.6	21.6	23.2	27.8	32.5	35.6	40.2	44.8	46.4	44.8	44.8
75°	7.7	9.3	12.4	17.0	20.1	24.7	29.4	34.0	38.7	35.6	34.0
77.5°	3.1	3.1	6.2	10.8	15.5	20.1	27.8	32.5	35.6	32.5	29.4
80°	1.5	1.5	4.6	9.3	13.9	18.6	23.2	27.8	29.4	26.3	23.2
82.5°	1.5	1.5	4.6	9.3	13.9	17.0	24.7	27.8	30.9	27.8	23.2
85°	0.0	1.5	4.6	9.3	12.4	13.9	13.9	9.3	7.7	4.6	4.6
87.5°	0.0	0.0	1.5	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)