

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: STREETWORKS

Report Number: P316237

Luminaire Tested: **GAN-SA3B-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18376 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

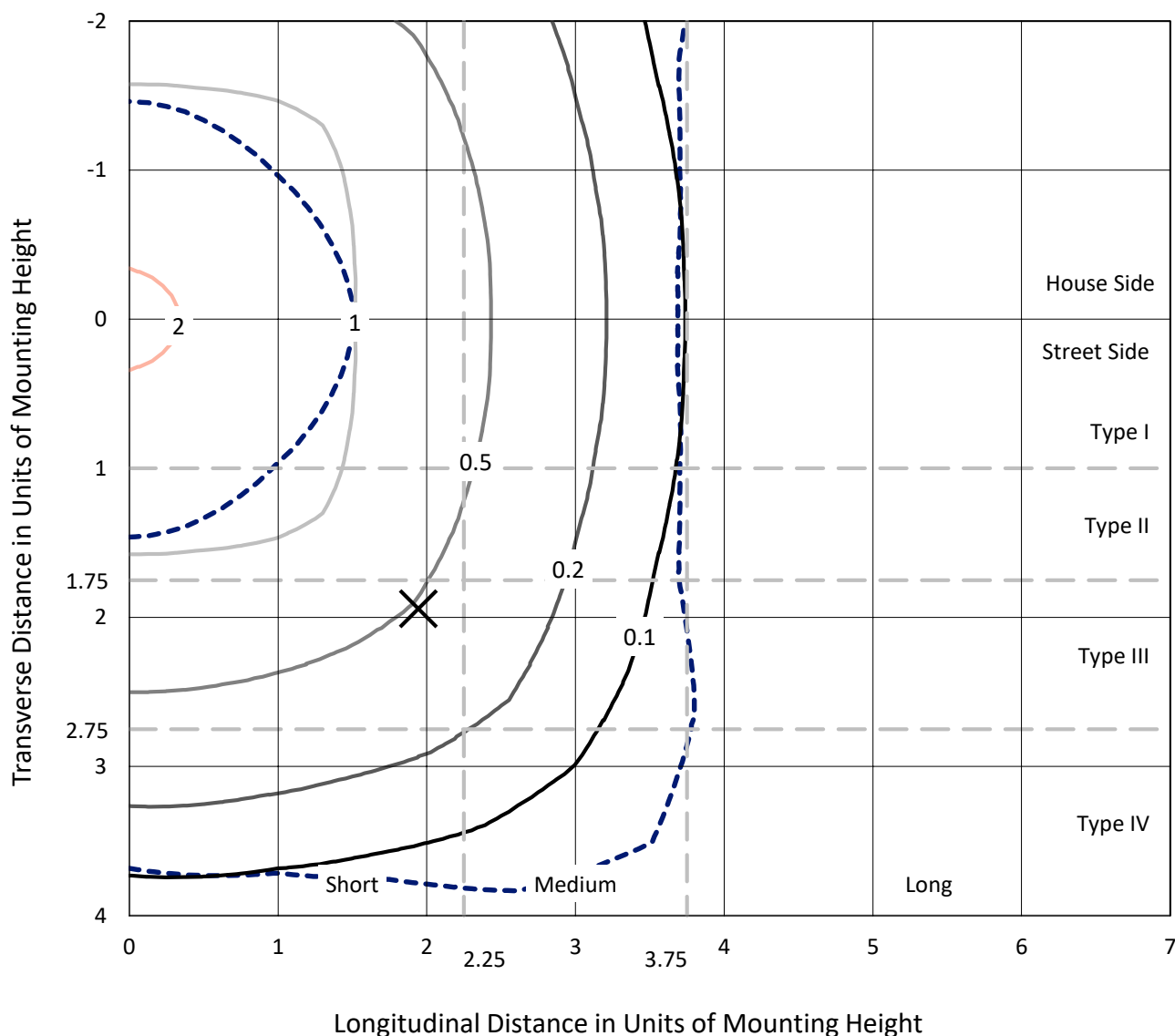
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

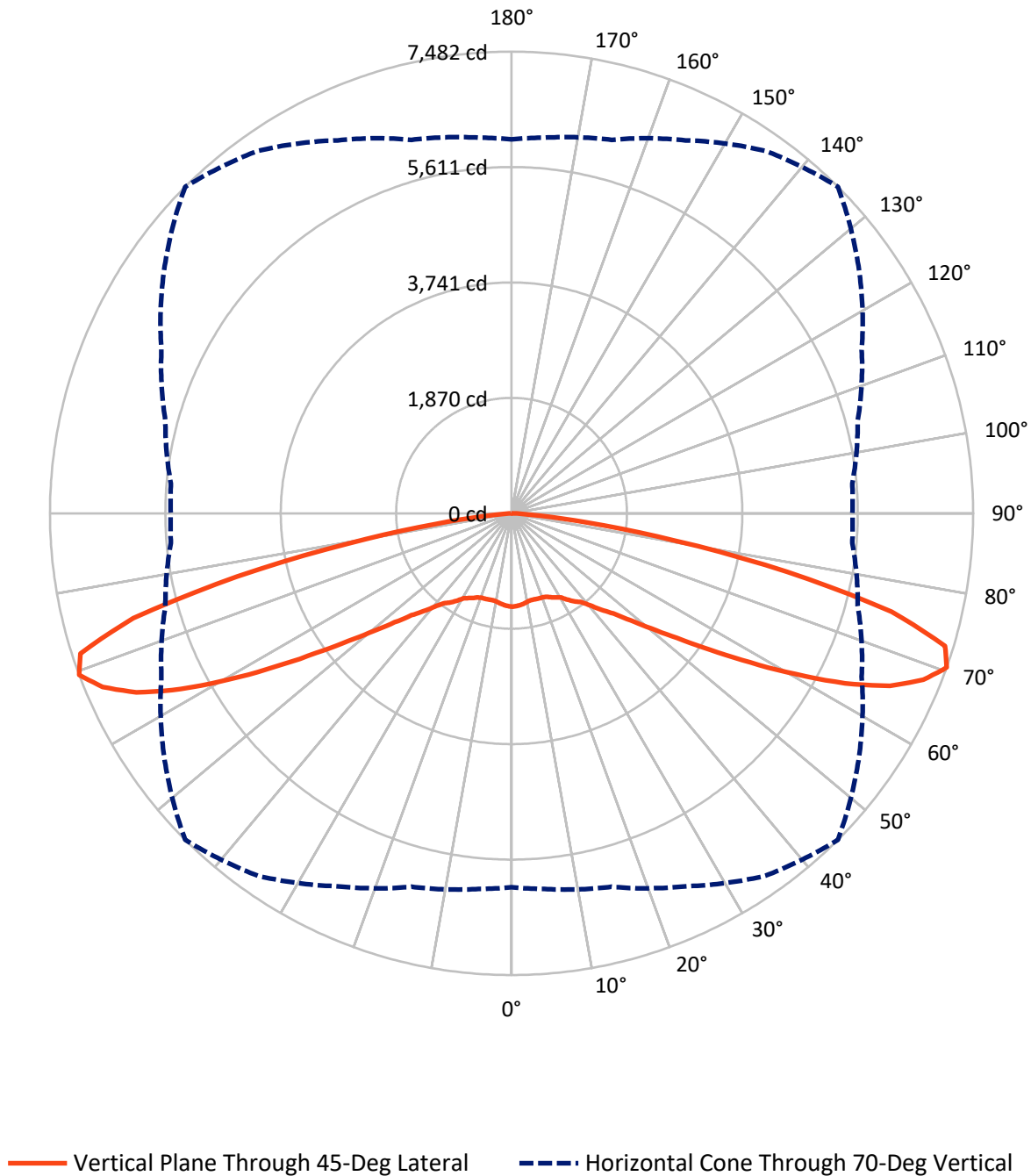
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	9188.0	0.0	9188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9188.0	0.0	9188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18376.0	0.0	18376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	0.8
10°-20°	412.3	2.2
20°-30°	703.0	3.8
30°-40°	1098.4	6.0
40°-50°	1861.6	10.1
50°-60°	3394.7	18.5
60°-70°	5844.2	31.8
70°-80°	4580.9	24.9
80°-90°	339.7	1.8
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°	18376.0	100.0
0°-180°	18376.0	100.0

Coefficient of Utilization



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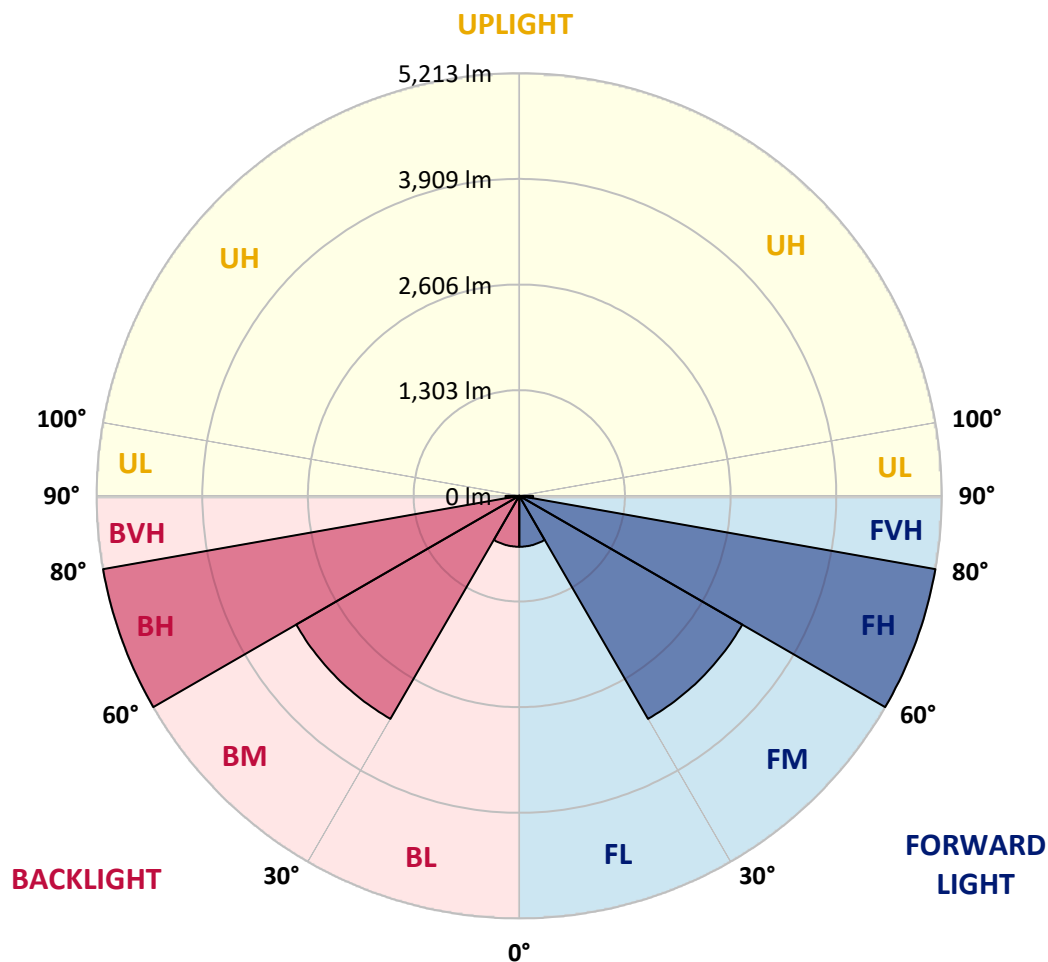
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	628.2	3.4			
FM	(30°-60°)	3177.4	17.3			
FH	(60°-80°)	5212.6	28.4			G3/7500
FVH	(80°-90°)	169.8	0.9			G2/225
BL	(0°-30°)	628.2	3.4	B2/1000		
BM	(30°-60°)	3177.4	17.3	B3/5000		
BH	(60°-80°)	5212.6	28.4	B5		G3/7500
BVH	(80°-90°)	169.8	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3	1512.3
2.5°	1505.7	1507.5	1505.7	1506.9	1503.8	1505.1	1505.1	1505.1	1504.4	1505.1	1503.8
5°	1492.3	1493.5	1491.1	1492.3	1490.5	1492.3	1492.9	1492.3	1491.1	1491.7	1489.2
7.5°	1472.2	1473.4	1471.6	1473.4	1471.0	1474.1	1473.4	1471.6	1469.8	1469.8	1467.4
10°	1461.3	1461.9	1457.0	1455.2	1449.7	1451.0	1452.8	1454.6	1456.4	1460.1	1459.5
12.5°	1461.9	1461.9	1454.6	1446.7	1438.8	1440.6	1443.7	1450.3	1457.6	1464.3	1464.9
15°	1468.0	1467.4	1456.4	1443.7	1438.2	1443.7	1445.5	1449.7	1461.3	1472.8	1473.4
17.5°	1472.2	1472.2	1455.2	1440.6	1440.0	1448.5	1447.9	1449.7	1462.5	1479.5	1480.1
20°	1480.1	1480.1	1458.2	1442.4	1442.4	1451.6	1452.2	1455.2	1468.0	1486.8	1489.9
22.5°	1497.8	1498.4	1475.3	1462.5	1463.7	1469.2	1471.0	1475.9	1487.4	1508.1	1511.7
25°	1522.7	1523.9	1500.2	1492.9	1497.2	1507.5	1506.3	1509.9	1522.7	1542.7	1546.4
27.5°	1557.3	1554.3	1532.4	1529.4	1533.6	1540.9	1540.3	1540.9	1551.3	1569.5	1573.7
30°	1602.3	1601.1	1585.3	1587.1	1585.3	1582.9	1583.5	1588.3	1593.8	1608.4	1612.6
32.5°	1646.1	1647.3	1637.6	1646.7	1660.1	1669.2	1655.2	1641.8	1635.7	1643.6	1647.3
35°	1725.1	1728.1	1712.9	1706.9	1725.1	1751.8	1712.3	1690.4	1702.6	1712.9	1716.0
37.5°	1859.4	1861.3	1835.7	1811.4	1798.0	1823.6	1784.1	1785.9	1828.4	1847.9	1847.3
40°	2012.6	2013.2	1996.2	1974.9	1951.8	1957.9	1942.1	1947.0	1974.9	1992.6	1997.4
42.5°	2195.0	2193.1	2166.4	2136.0	2129.3	2135.4	2108.7	2105.0	2137.2	2168.8	2169.4
45°	2431.4	2427.2	2392.5	2359.1	2326.9	2313.5	2306.8	2324.4	2368.8	2398.0	2398.6
47.5°	2686.1	2674.6	2656.3	2629.6	2601.6	2588.3	2577.3	2585.8	2618.0	2629.6	2630.8
50°	2948.1	2950.5	2954.2	2943.8	2933.5	2929.3	2900.7	2884.3	2894.0	2872.7	2869.7
52.5°	3258.7	3263.6	3298.8	3328.6	3346.3	3355.4	3301.3	3244.7	3213.1	3171.8	3159.6
55°	3625.3	3633.2	3684.8	3767.5	3852.6	3897.6	3799.7	3693.9	3596.1	3518.9	3494.0
57.5°	4033.7	4047.7	4118.8	4277.5	4451.9	4558.3	4393.0	4200.9	4011.9	3900.6	3881.2
60°	4512.7	4526.1	4624.6	4851.9	5134.6	5294.4	5044.0	4729.7	4494.5	4388.1	4352.3
62.5°	5082.9	5084.1	5205.1	5470.7	5843.9	6066.4	5727.2	5307.2	5064.7	4936.4	4901.8
65°	5696.2	5699.3	5824.5	6111.4	6497.4	6739.3	6356.4	5918.7	5622.1	5433.0	5406.3
67.5°	6129.6	6142.4	6274.3	6619.6	6980.6	7198.8	6802.5	6307.7	5964.9	5739.4	5716.9
70°	6060.3	6110.2	6265.2	6668.2	7170.3	7481.5	6874.9	6261.5	5809.3	5543.0	5524.2
72.5°	5285.3	5380.7	5587.4	6116.3	6919.2	7347.8	6480.4	5608.1	5096.3	4869.5	4835.5
75°	3599.1	3754.1	4066.0	4828.8	5911.4	6361.8	5455.5	4471.4	3990.0	3676.3	3653.2
77.5°	1604.7	1640.0	2035.1	2913.5	4079.3	4568.7	3963.8	2925.0	2195.6	1751.2	1657.6
80°	447.4	452.9	604.2	1085.0	2041.8	2684.3	2191.9	1139.7	640.7	451.6	425.5
82.5°	142.2	154.4	188.4	281.4	686.3	1224.8	704.5	303.9	216.4	172.6	155.6
85°	69.3	68.7	95.4	114.3	175.1	271.1	186.6	141.0	123.4	82.1	74.2
87.5°	29.2	29.8	44.4	40.1	51.1	43.8	60.2	63.2	66.3	36.5	31.6
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)