

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: P316157

Luminaire Tested: **GAN-SA3B-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316157
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 18377 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

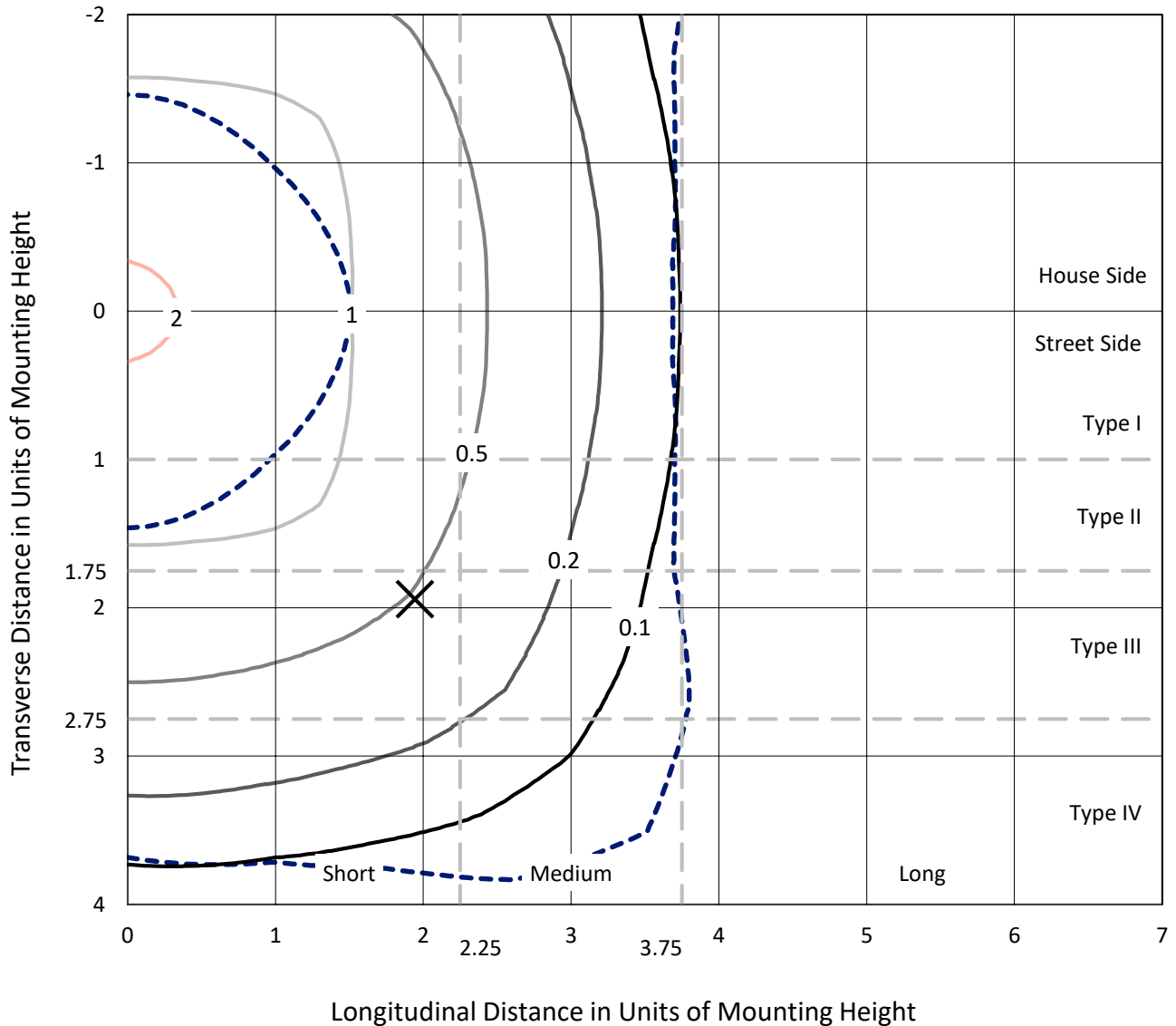
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

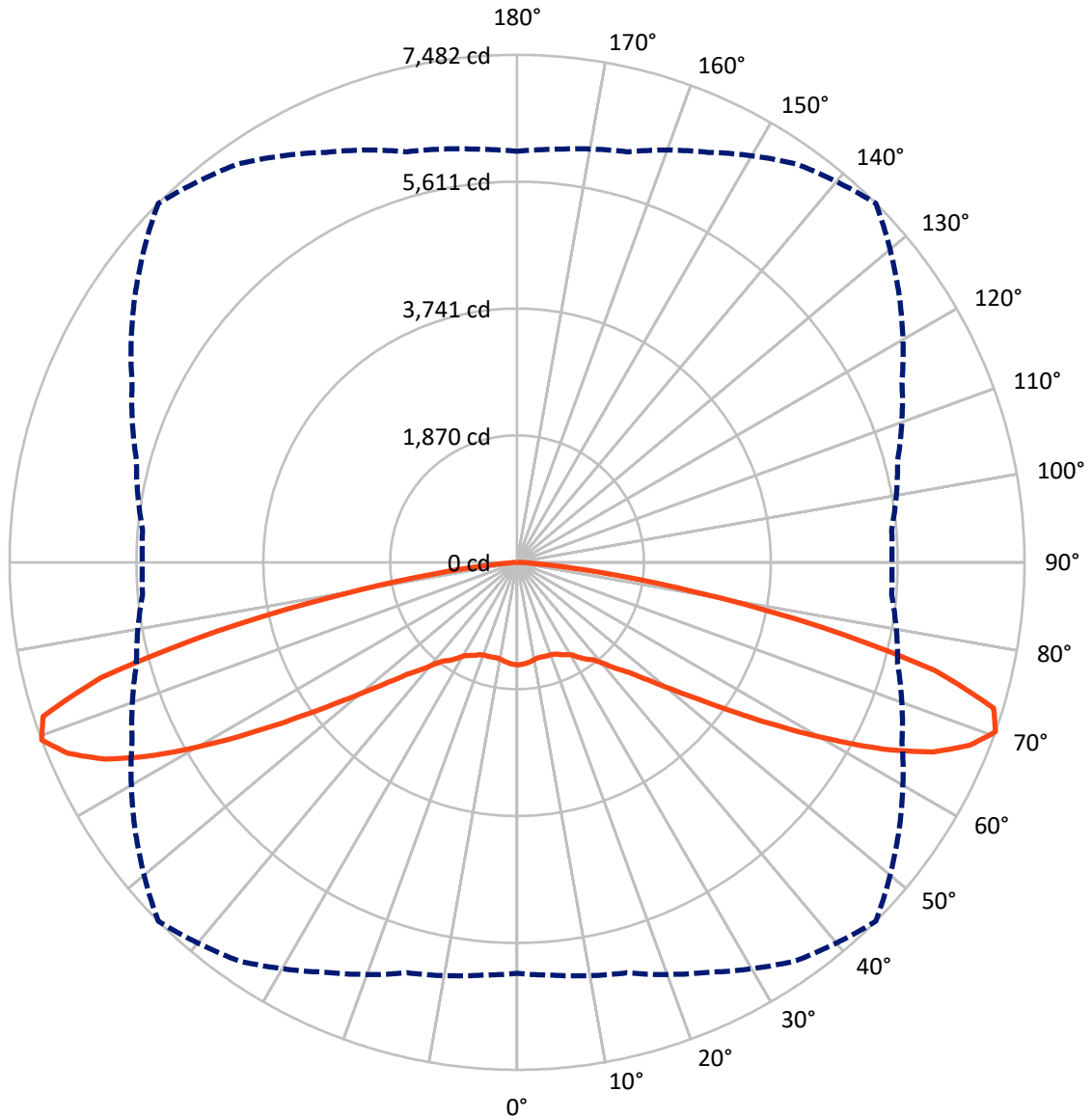
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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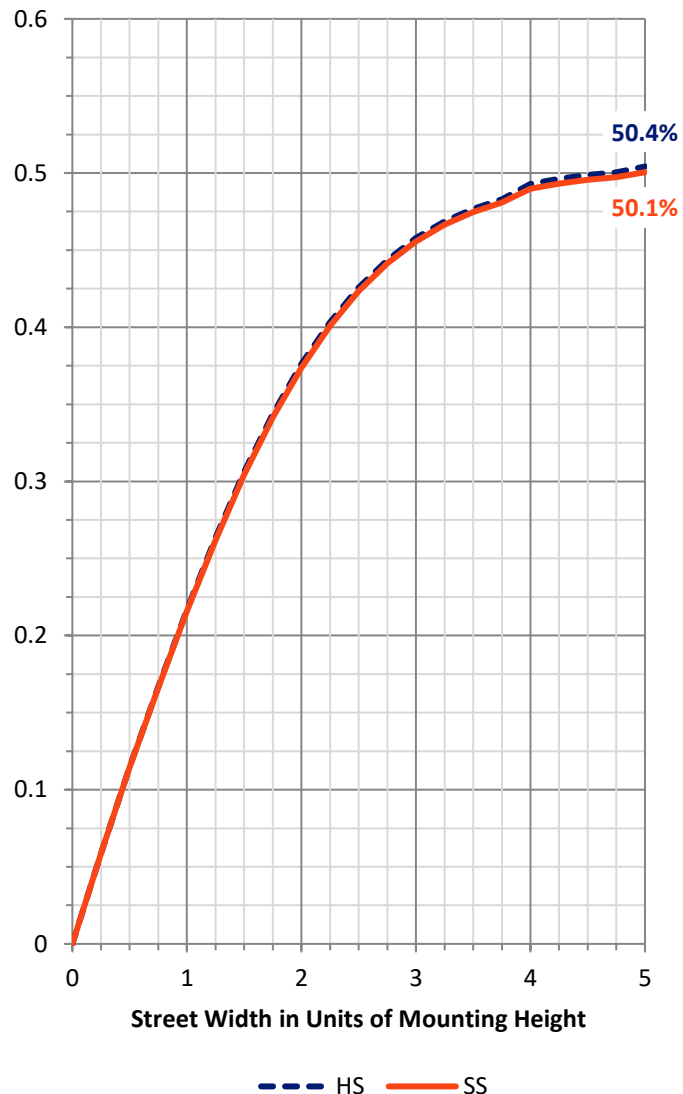
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9188.5	0.0	9188.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9188.5	0.0	9188.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18377.0	0.0	18377.0
	% 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°	1098.5	6.0
40°-50°	1861.7	10.1
50°-60°	3394.9	18.5
60°-70°	5844.6	31.8
70°-80°	4581.2	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°	18377.0	100.0
0°-180°	18377.0	100.0

Coefficient of Utilization



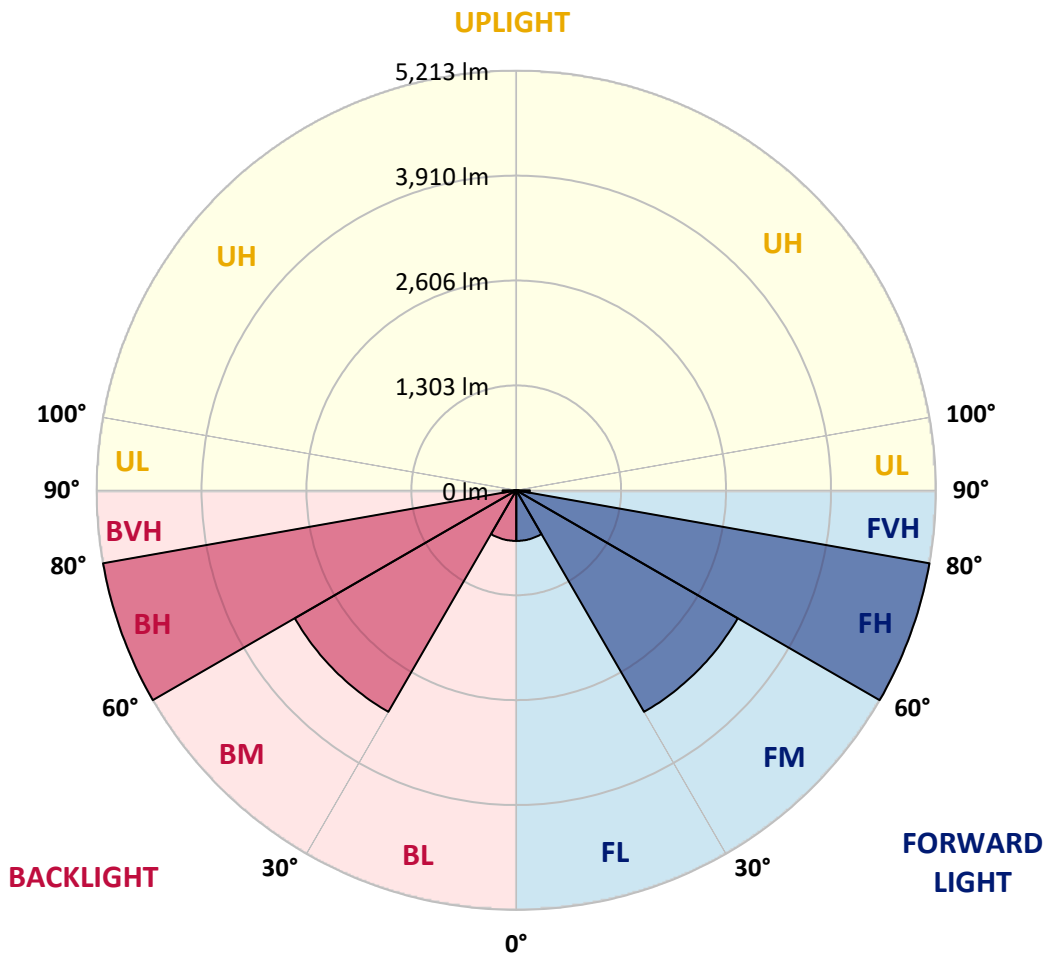
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	628.3	3.4			
FM (30°-60°)	3177.5	17.3			
FH (60°-80°)	5212.9	28.4			G3/7500
FVH (80°-90°)	169.8	0.9			G2/225
BL (0°-30°)	628.3	3.4	B2/1000		
BM (30°-60°)	3177.5	17.3	B3/5000		
BH (60°-80°)	5212.9	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°	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4	1512.4
2.5°	1505.7	1507.6	1505.7	1507.0	1503.9	1505.1	1505.1	1505.1	1504.5	1505.1	1503.9
5°	1492.4	1493.6	1491.2	1492.4	1490.5	1492.4	1493.0	1492.4	1491.2	1491.8	1489.3
7.5°	1472.3	1473.5	1471.7	1473.5	1471.1	1474.1	1473.5	1471.7	1469.9	1469.9	1467.4
10°	1461.4	1462.0	1457.1	1455.3	1449.8	1451.0	1452.9	1454.7	1456.5	1460.2	1459.5
12.5°	1462.0	1462.0	1454.7	1446.8	1438.9	1440.7	1443.7	1450.4	1457.7	1464.4	1465.0
15°	1468.1	1467.4	1456.5	1443.7	1438.3	1443.7	1445.6	1449.8	1461.4	1472.9	1473.5
17.5°	1472.3	1472.3	1455.3	1440.7	1440.1	1448.6	1448.0	1449.8	1462.6	1479.6	1480.2
20°	1480.2	1480.2	1458.3	1442.5	1442.5	1451.6	1452.2	1455.3	1468.1	1486.9	1489.9
22.5°	1497.8	1498.4	1475.3	1462.6	1463.8	1469.3	1471.1	1476.0	1487.5	1508.2	1511.8
25°	1522.8	1524.0	1500.3	1493.0	1497.2	1507.6	1506.4	1510.0	1522.8	1542.8	1546.5
27.5°	1557.4	1554.4	1532.5	1529.5	1533.7	1541.0	1540.4	1541.0	1551.3	1569.6	1573.8
30°	1602.4	1601.2	1585.4	1587.2	1585.4	1582.9	1583.6	1588.4	1593.9	1608.5	1612.7
32.5°	1646.2	1647.4	1637.7	1646.8	1660.1	1669.3	1655.3	1641.9	1635.8	1643.7	1647.4
35°	1725.2	1728.2	1713.0	1707.0	1725.2	1751.9	1712.4	1690.5	1702.7	1713.0	1716.1
37.5°	1859.5	1861.4	1835.8	1811.5	1798.1	1823.7	1784.2	1786.0	1828.5	1848.0	1847.4
40°	2012.7	2013.3	1996.3	1975.0	1951.9	1958.0	1942.2	1947.1	1975.0	1992.7	1997.5
42.5°	2195.1	2193.3	2166.5	2136.1	2129.4	2135.5	2108.8	2105.1	2137.3	2169.0	2169.6
45°	2431.6	2427.3	2392.7	2359.2	2327.0	2313.6	2306.9	2324.6	2368.9	2398.1	2398.7
47.5°	2686.3	2674.7	2656.5	2629.7	2601.8	2588.4	2577.5	2586.0	2618.2	2629.7	2630.9
50°	2948.3	2950.7	2954.3	2944.0	2933.7	2929.4	2900.8	2884.4	2894.2	2872.9	2869.8
52.5°	3258.9	3263.8	3299.0	3328.8	3346.4	3355.6	3301.4	3244.9	3213.3	3172.0	3159.8
55°	3625.5	3633.4	3685.0	3767.7	3852.8	3897.8	3799.9	3694.1	3596.3	3519.1	3494.2
57.5°	4034.0	4047.9	4119.1	4277.7	4452.2	4558.6	4393.2	4201.1	4012.1	3900.8	3881.4
60°	4513.0	4526.3	4624.8	4852.2	5134.8	5294.7	5044.3	4730.0	4494.7	4388.4	4352.5
62.5°	5083.2	5084.4	5205.4	5471.0	5844.3	6066.7	5727.5	5307.5	5064.9	4936.7	4902.0
65°	5696.5	5699.6	5824.8	6111.7	6497.7	6739.7	6356.7	5919.0	5622.4	5433.3	5406.6
67.5°	6130.0	6142.7	6274.6	6619.9	6981.0	7199.2	6802.9	6308.1	5965.2	5739.7	5717.2
70°	6060.7	6110.5	6265.5	6668.6	7170.7	7481.9	6875.2	6261.9	5809.6	5543.3	5524.5
72.5°	5285.6	5381.0	5587.7	6116.6	6919.6	7348.2	6480.7	5608.4	5096.5	4869.8	4835.8
75°	3599.3	3754.3	4066.2	4829.1	5911.7	6362.2	5455.8	4471.6	3990.2	3676.5	3653.4
77.5°	1604.8	1640.1	2035.2	2913.6	4079.5	4568.9	3964.0	2925.2	2195.7	1751.3	1657.7
80°	447.4	452.9	604.2	1085.1	2041.9	2684.4	2192.1	1139.8	640.7	451.7	425.5
82.5°	142.2	154.4	188.4	281.5	686.3	1224.9	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)