

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: P316337

Luminaire Tested: **GAN-SA3D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316337
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-SA3D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19827 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

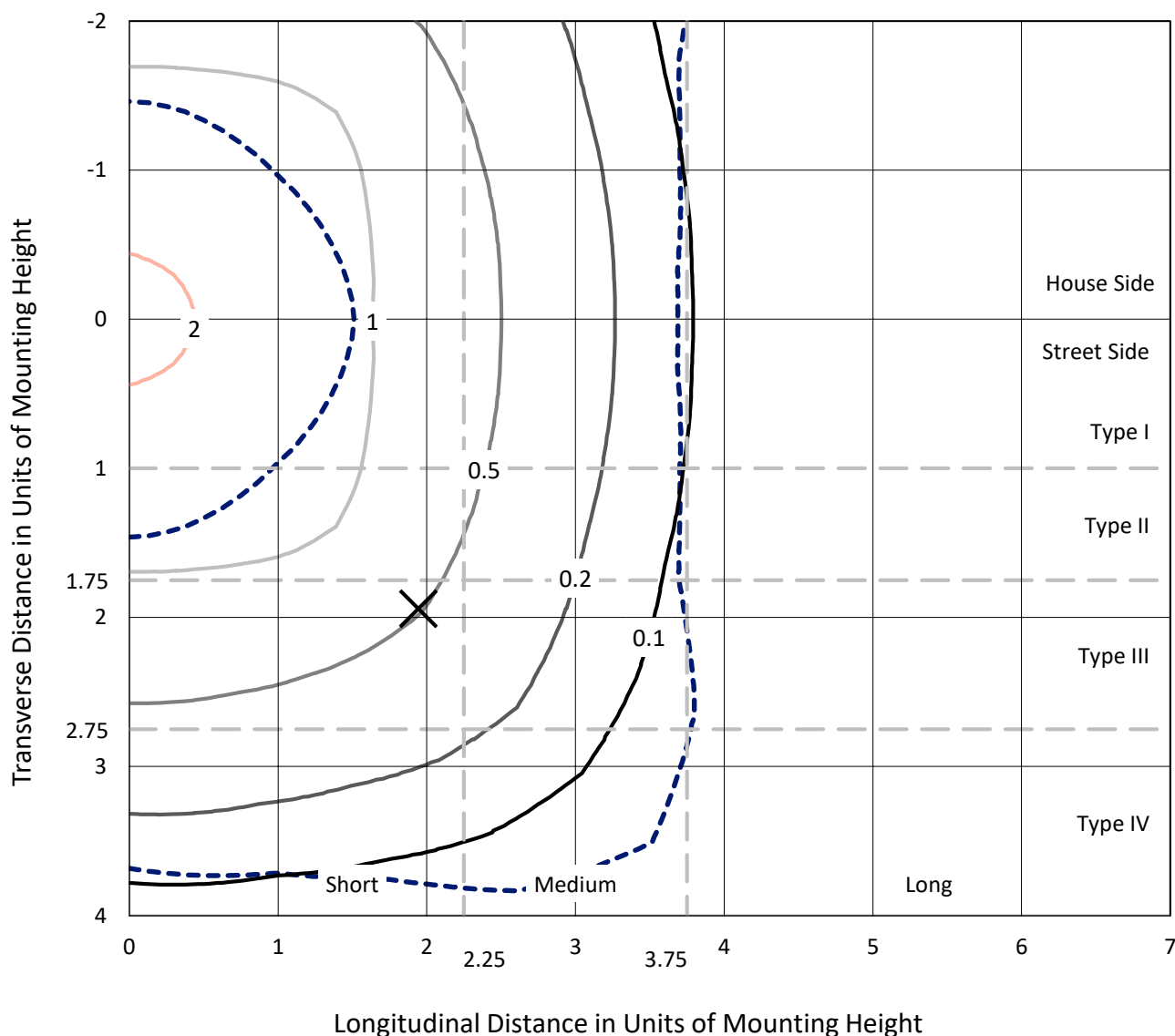
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

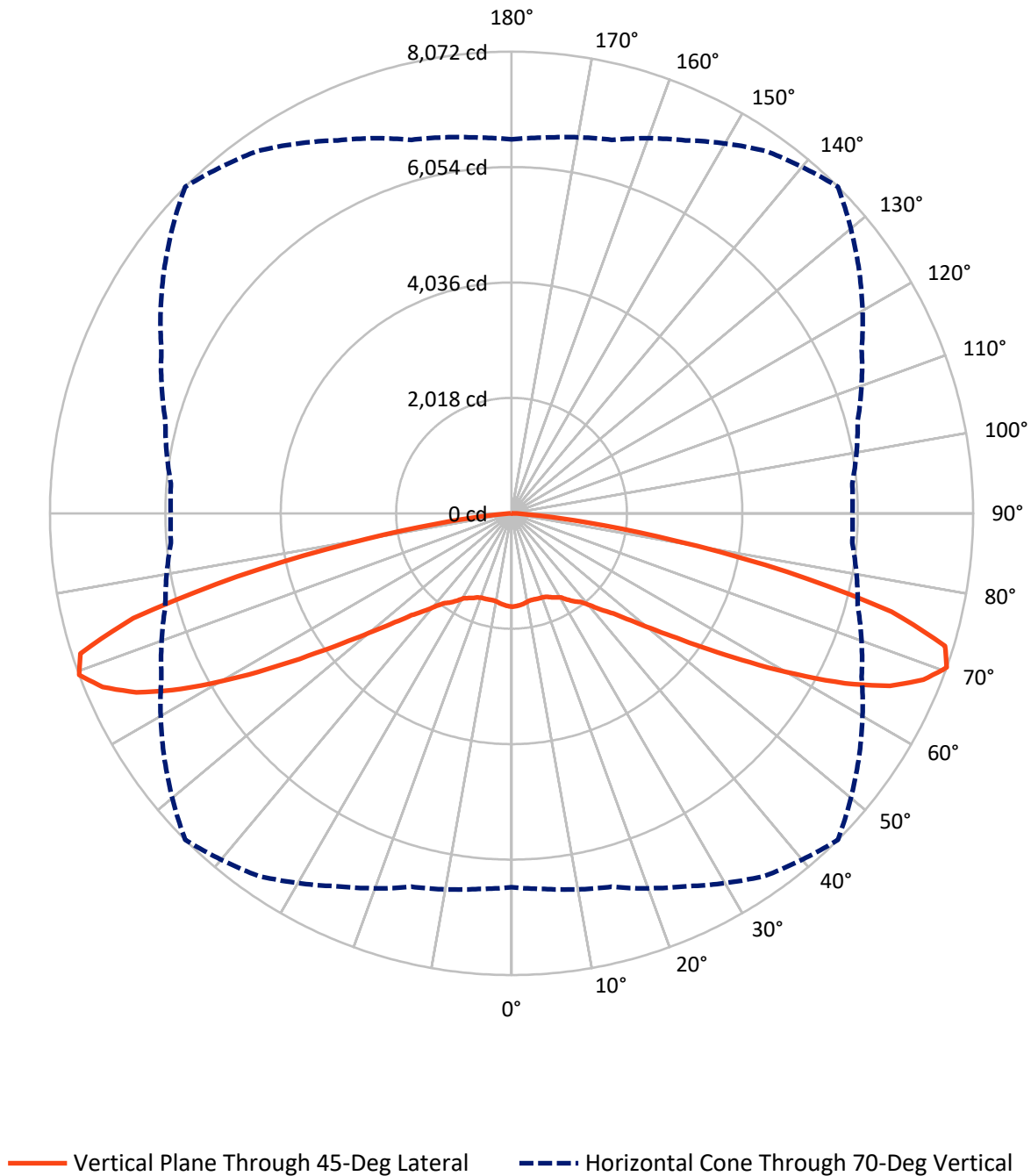
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19827.0	0.0	19827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	0.8
10°-20°	444.9	2.2
20°-30°	758.5	3.8
30°-40°	1185.2	6.0
40°-50°	2008.6	10.1
50°-60°	3662.8	18.5
60°-70°	6305.7	31.8
70°-80°	4942.7	24.9
80°-90°	366.5	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°	19827.0	100.0
0°-180°	19827.0	100.0

Coefficient of Utilization



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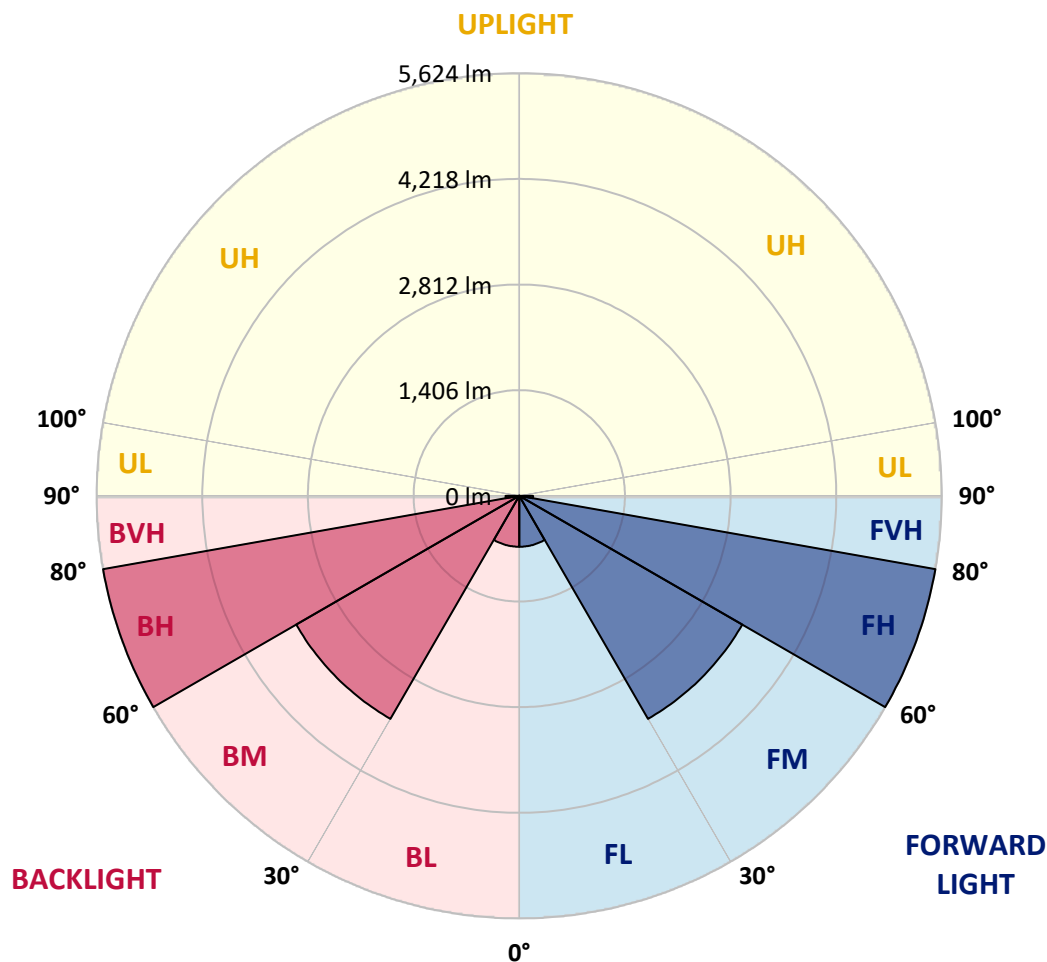
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	677.8	3.4			
FM	(30°-60°)	3428.2	17.3			
FH	(60°-80°)	5624.2	28.4			G3/7500
FVH	(80°-90°)	183.2	0.9			G2/225
BL	(0°-30°)	677.8	3.4	B2/1000		
BM	(30°-60°)	3428.2	17.3	B3/5000		
BH	(60°-80°)	5624.2	28.4	B5		G3/7500
BVH	(80°-90°)	183.2	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°	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8	1631.8
2.5°	1624.6	1626.5	1624.6	1625.9	1622.6	1623.9	1623.9	1623.9	1623.2	1623.9	1622.6
5°	1610.1	1611.4	1608.8	1610.1	1608.2	1610.1	1610.8	1610.1	1608.8	1609.5	1606.8
7.5°	1588.5	1589.8	1587.8	1589.8	1587.2	1590.4	1589.8	1587.8	1585.9	1585.9	1583.2
10°	1576.7	1577.3	1572.1	1570.1	1564.2	1565.5	1567.5	1569.5	1571.4	1575.4	1574.7
12.5°	1577.3	1577.3	1569.5	1560.9	1552.4	1554.4	1557.7	1564.9	1572.7	1580.0	1580.6
15°	1583.9	1583.2	1571.4	1557.7	1551.8	1557.7	1559.6	1564.2	1576.7	1589.1	1589.8
17.5°	1588.5	1588.5	1570.1	1554.4	1553.7	1562.9	1562.2	1564.2	1578.0	1596.3	1597.0
20°	1597.0	1597.0	1573.4	1556.3	1556.3	1566.2	1566.8	1570.1	1583.9	1604.2	1607.5
22.5°	1616.0	1616.7	1591.8	1578.0	1579.3	1585.2	1587.2	1592.4	1604.9	1627.2	1631.1
25°	1642.9	1644.2	1618.6	1610.8	1615.4	1626.5	1625.2	1629.1	1642.9	1664.6	1668.5
27.5°	1680.3	1677.0	1653.4	1650.1	1654.7	1662.6	1661.9	1662.6	1673.7	1693.4	1698.0
30°	1728.8	1727.5	1710.5	1712.4	1710.5	1707.8	1708.5	1713.7	1719.6	1735.4	1740.0
32.5°	1776.1	1777.4	1766.9	1776.7	1791.1	1801.0	1785.9	1771.5	1764.9	1773.4	1777.4
35°	1861.3	1864.6	1848.2	1841.6	1861.3	1890.2	1847.5	1823.9	1837.0	1848.2	1851.5
37.5°	2006.3	2008.2	1980.7	1954.4	1940.0	1967.6	1924.9	1926.9	1972.8	1993.8	1993.1
40°	2171.5	2172.2	2153.8	2130.9	2105.9	2112.5	2095.5	2100.7	2130.9	2149.9	2155.1
42.5°	2368.3	2366.3	2337.5	2304.7	2297.5	2304.0	2275.2	2271.2	2306.0	2340.1	2340.7
45°	2623.4	2618.8	2581.4	2545.4	2510.6	2496.2	2489.0	2508.0	2555.9	2587.3	2588.0
47.5°	2898.2	2885.8	2866.1	2837.2	2807.1	2792.6	2780.8	2790.0	2824.8	2837.2	2838.5
50°	3180.9	3183.5	3187.5	3176.3	3165.2	3160.6	3129.7	3112.0	3122.5	3099.6	3096.3
52.5°	3516.0	3521.3	3559.3	3591.5	3610.5	3620.3	3561.9	3500.9	3466.8	3422.2	3409.1
55°	3911.5	3920.0	3975.8	4065.0	4156.8	4205.3	4099.7	3985.6	3880.0	3796.7	3769.8
57.5°	4352.2	4367.3	4444.1	4615.2	4803.5	4918.2	4739.9	4532.6	4328.6	4208.6	4187.6
60°	4869.1	4883.5	4989.7	5235.0	5540.0	5712.5	5442.3	5103.2	4849.4	4734.6	4695.9
62.5°	5484.3	5485.6	5616.1	5902.7	6305.4	6545.4	6179.5	5726.3	5464.6	5326.2	5288.8
65°	6146.0	6149.3	6284.4	6594.0	7010.4	7271.5	6858.3	6386.1	6066.0	5862.0	5833.2
67.5°	6613.6	6627.4	6769.7	7142.3	7531.8	7767.3	7339.7	6805.8	6435.9	6192.6	6168.3
70°	6538.9	6592.6	6759.9	7194.7	7736.5	8072.3	7417.7	6756.0	6268.0	5980.7	5960.4
72.5°	5702.7	5805.6	6028.6	6599.2	7465.6	7928.0	6992.1	6050.9	5498.7	5254.0	5217.3
75°	3883.3	4050.6	4387.0	5210.1	6378.2	6864.2	5886.3	4824.5	4305.0	3966.6	3941.7
77.5°	1731.5	1769.5	2195.8	3143.5	4401.4	4929.4	4276.8	3156.0	2368.9	1889.5	1788.5
80°	482.7	488.6	651.9	1170.7	2203.0	2896.3	2365.0	1229.7	691.3	487.3	459.1
82.5°	153.5	166.6	203.3	303.7	740.5	1321.5	760.1	327.9	233.5	186.3	167.9
85°	74.8	74.1	103.0	123.3	188.9	292.5	201.3	152.2	133.1	88.5	80.0
87.5°	31.5	32.1	47.9	43.3	55.1	47.2	64.9	68.2	71.5	39.4	34.1
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)