

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: P321766

Luminaire Tested: **GAN-SA2C-830-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8845 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

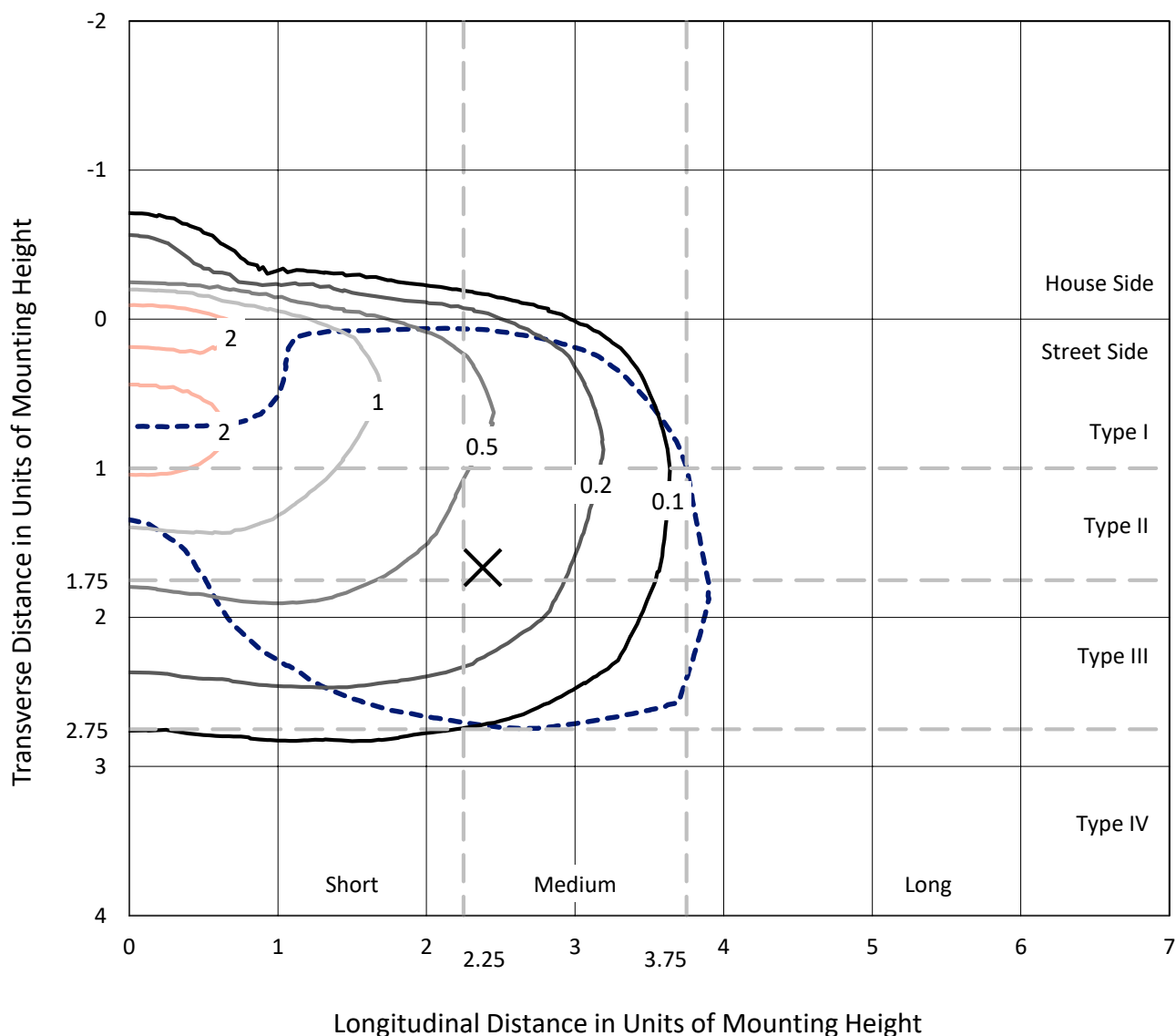
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

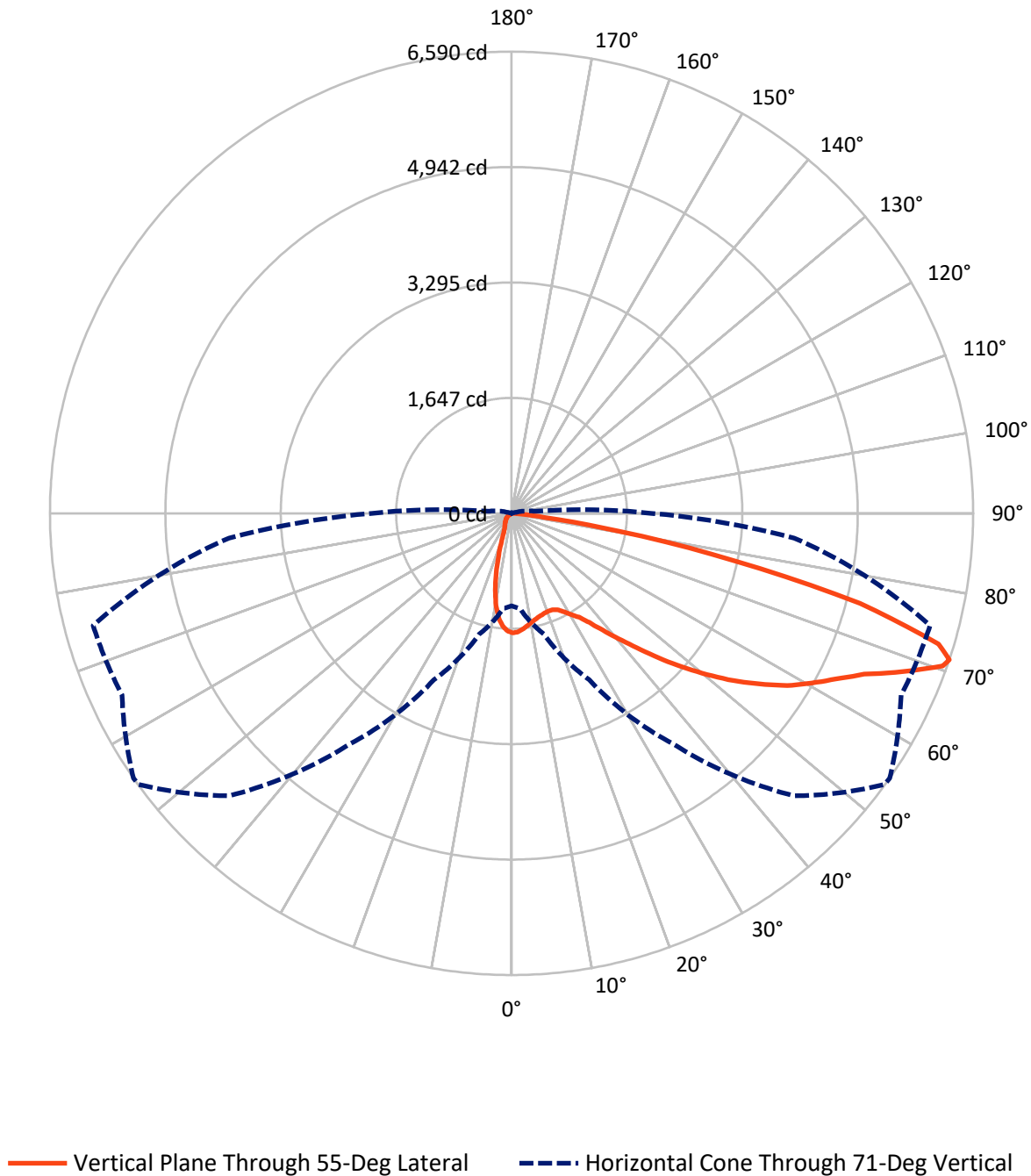
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.3	0.0	700.3
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	8144.7	0.0	8144.7
	% Fixture	92.1	0.0	92.1
Total	Lumens	8845.0	0.0	8845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.6
10°-20°	328.3	3.7
20°-30°	527.7	6.0
30°-40°	896.5	10.1
40°-50°	1391.5	15.7
50°-60°	1870.9	21.2
60°-70°	2288.7	25.9
70°-80°	1338.1	15.1
80°-90°	57.8	0.7
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°	8845.0	100.0
0°-180°	8845.0	100.0

Coefficient of Utilization



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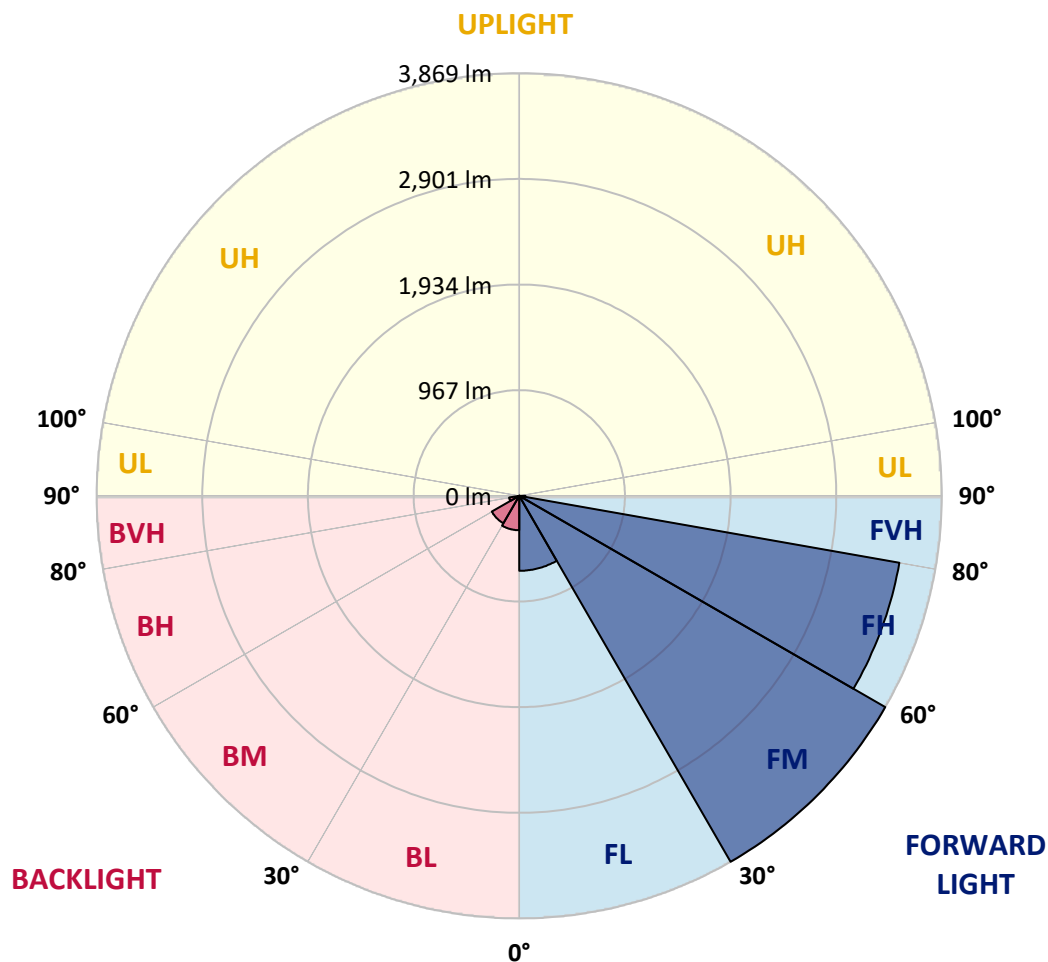
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.2	7.8			
FM	(30°-60°)	3868.5	43.7			
FH	(60°-80°)	3533.0	39.9			G2/5000
FVH	(80°-90°)	56.9	0.6			G1/100
BL	(0°-30°)	315.2	3.6	B1/500		
BM	(30°-60°)	290.4	3.3	B1/1000		
BH	(60°-80°)	93.8	1.1	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8
2.5°	1655.7	1657.7	1664.9	1668.1	1675.6	1688.3	1694.7	1695.1	1705.4	1709.4	1712.5
5°	1538.6	1550.5	1562.4	1575.1	1598.2	1628.7	1658.9	1661.7	1695.1	1719.7	1732.8
7.5°	1437.7	1448.4	1462.7	1483.0	1515.6	1563.6	1614.0	1620.0	1683.2	1739.2	1768.5
10°	1334.1	1342.8	1363.4	1393.2	1438.1	1502.4	1570.4	1580.3	1672.4	1765.4	1817.0
12.5°	1223.2	1228.4	1253.4	1296.3	1362.2	1444.1	1533.4	1546.5	1665.7	1795.5	1874.2
15°	1139.0	1141.4	1165.3	1209.7	1285.2	1391.6	1504.8	1520.7	1667.3	1831.7	1936.5
17.5°	1117.6	1118.8	1131.5	1162.1	1228.8	1344.8	1482.2	1501.7	1672.0	1867.0	1999.3
20°	1204.6	1196.2	1183.1	1178.4	1207.0	1316.6	1468.7	1490.5	1678.4	1898.4	2055.7
22.5°	1443.3	1418.6	1364								

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8
2.5°	1712.5	1715.3	1705.4	1692.3	1678.4	1661.3	1643.4	1629.5	1629.1	1622.4	1615.6
5°	1733.6	1732.0	1704.6	1662.9	1613.6	1562.4	1513.6	1458.4	1440.1	1417.5	1409.9
7.5°	1772.5	1761.4	1703.4	1612.1	1504.0	1396.8	1286.0	1174.4	1126.7	1083.8	1076.3
10°	1821.4	1800.3	1695.9	1535.8	1337.6	1139.8	972.6	820.9	754.2	703.0	700.6
12.5°	1872.2	1840.0	1674.8	1420.6	1119.6	841.6	649.0	499.6	444.0	408.3	411.5
15°	1925.4	1877.4	1629.5	1265.3	871.4	571.1	398.7	311.0	288.7	279.6	282.0
17.5°	1979.8	1903.2	1566.4	1078.3	626.3	368.6	276.0	251.4	251.4	253.4	254.2
20°	2027.1	1917.1	1473.5	868.6	424.6	268.5	241.5	237.9	239.9	243.1	243.5
22.5°	2074.0	1917.9	1352.3	656.1	297.1	235.1	230.0	228.4	229.6	233.1	233.5
25°	2112.1										