

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: P317285

Luminaire Tested: **GAN-SA1C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6015 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

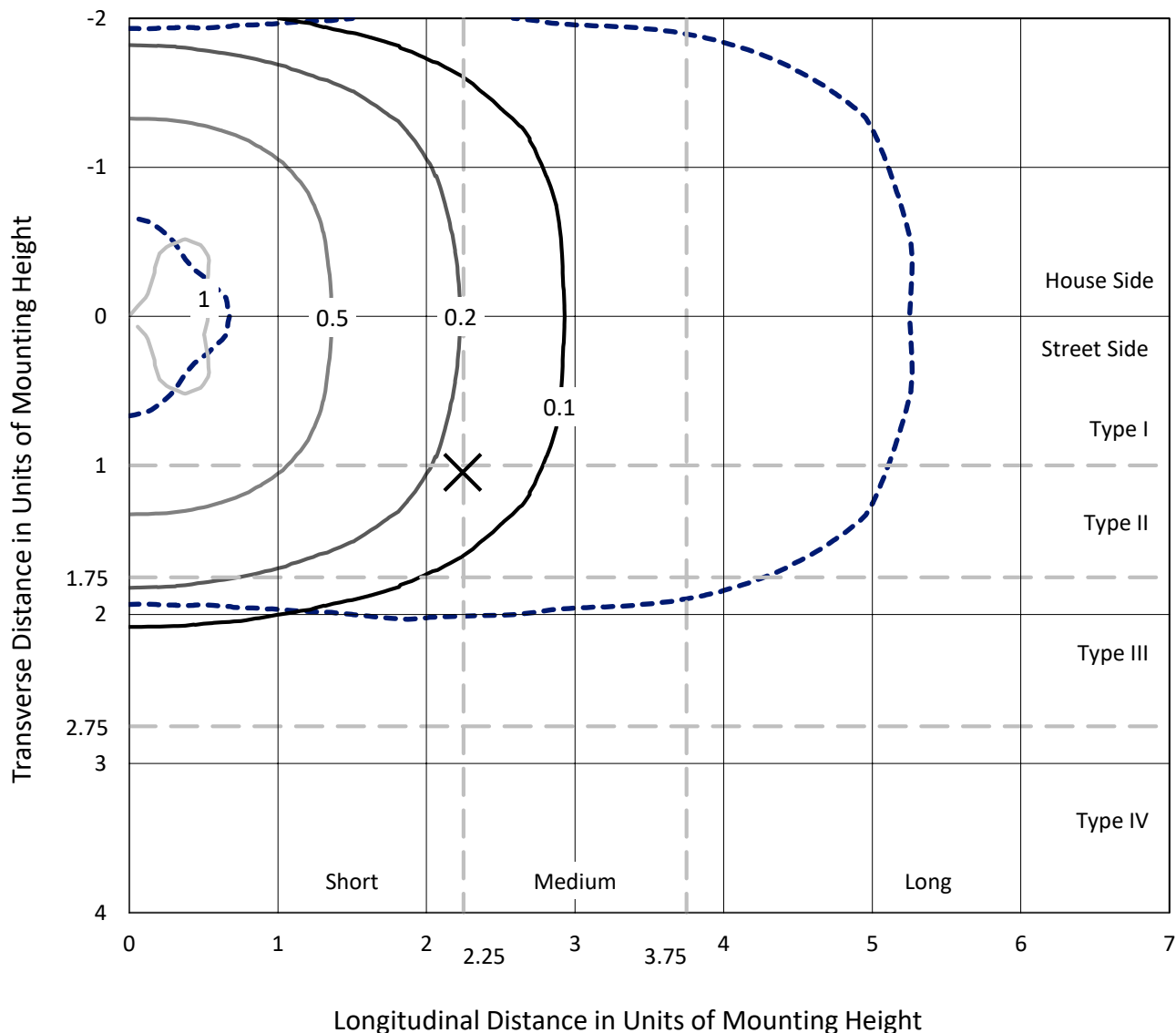
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

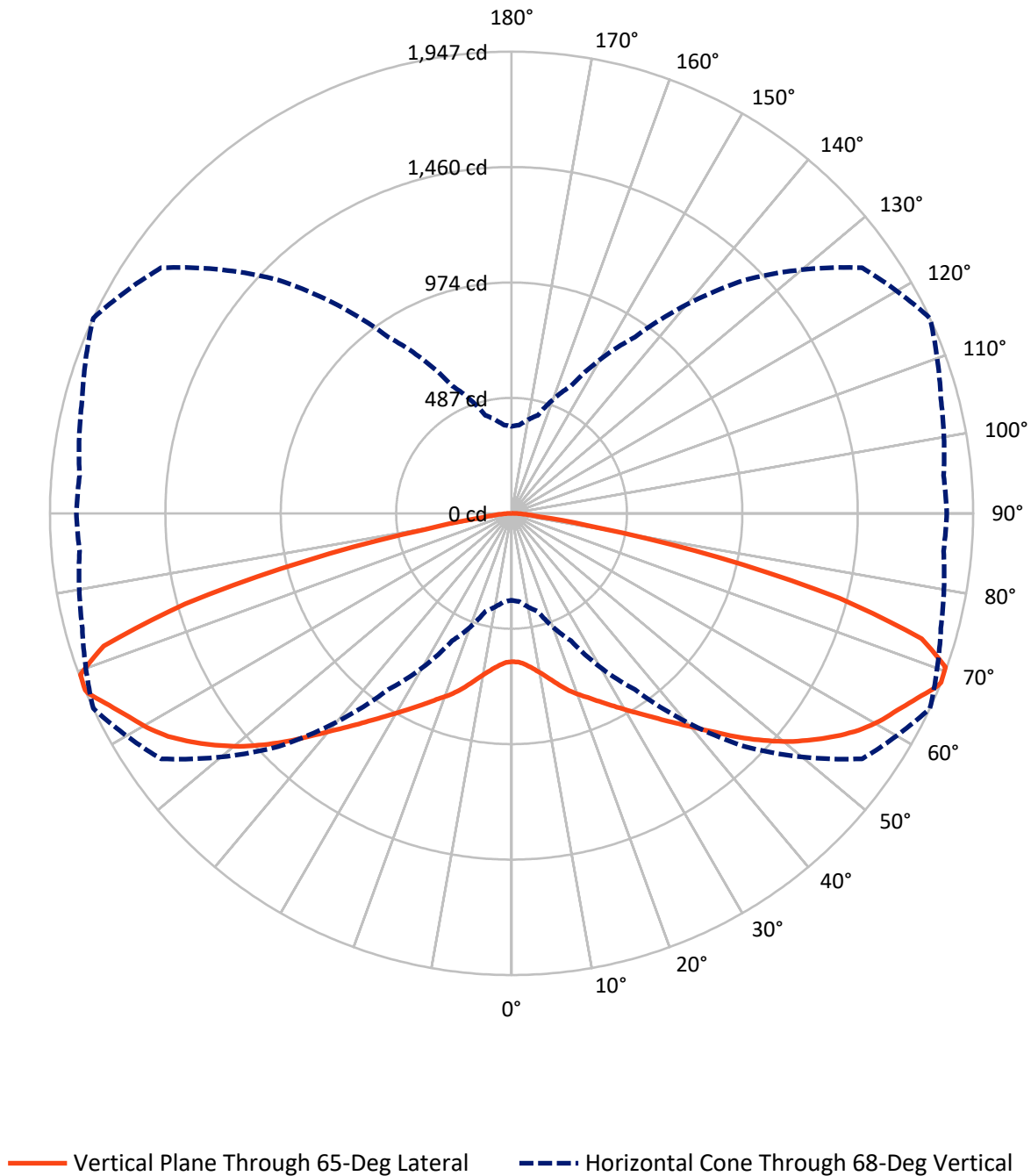
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3007.5	0.0	3007.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3007.5	0.0	3007.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6015.0	0.0	6015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	1.0
10°-20°	205.0	3.4
20°-30°	399.8	6.6
30°-40°	671.6	11.2
40°-50°	1058.2	17.6
50°-60°	1415.1	23.5
60°-70°	1375.7	22.9
70°-80°	752.0	12.5
80°-90°	76.5	1.3
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°	6015.0	100.0
0°-180°	6015.0	100.0

Coefficient of Utilization



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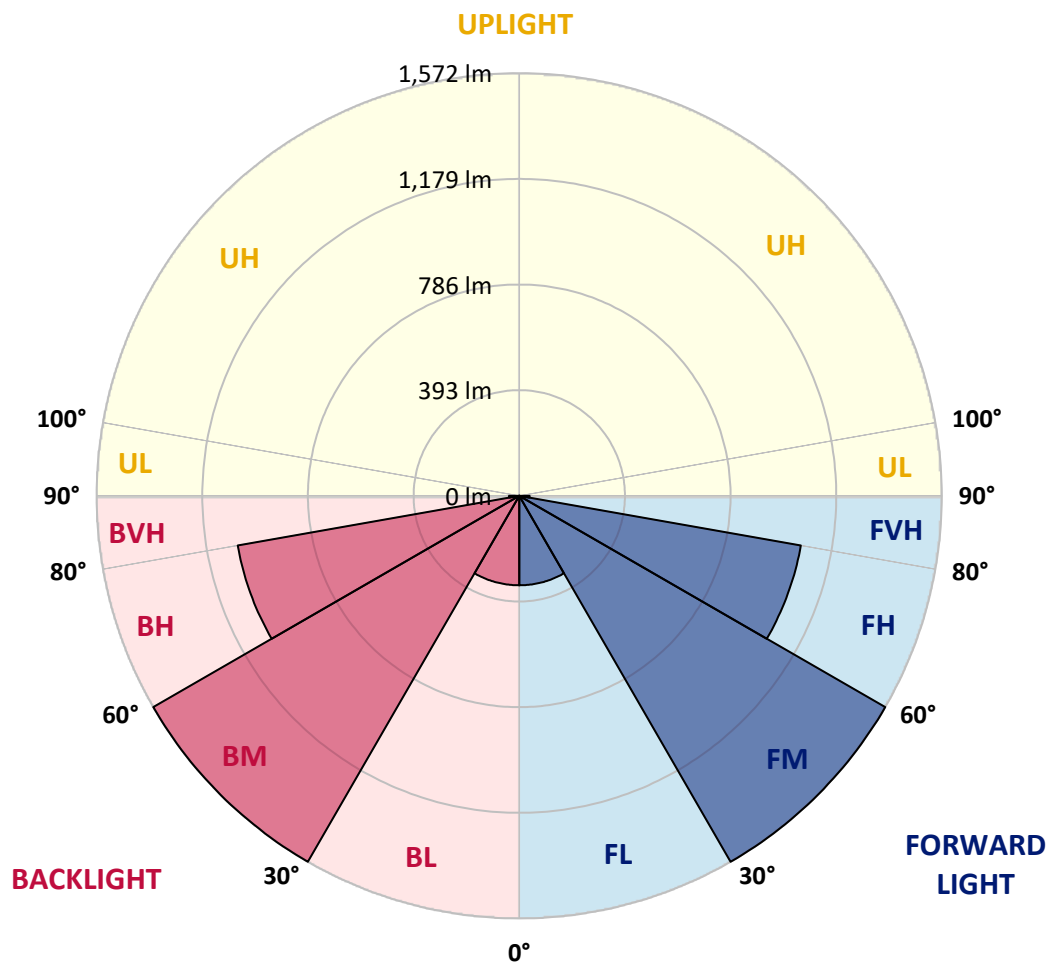
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.0	5.5			
FM	(30°-60°)	1572.4	26.1			
FH	(60°-80°)	1063.8	17.7			G1/1800
FVH	(80°-90°)	38.2	0.6			G1/100
BL	(0°-30°)	333.0	5.5	B1/500		
BM	(30°-60°)	1572.4	26.1	B2/2500		
BH	(60°-80°)	1063.8	17.7	B3/2500		G3/2500
BVH	(80°-90°)	38.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4
2.5°	621.0	621.2	622.2	623.4	624.4	627.0	627.6	628.6	629.0	630.1	630.1
5°	615.5	615.9	618.4	621.6	625.2	631.7	636.3	641.6	644.2	647.0	646.8
7.5°	614.9	615.9	619.4	624.6	630.7	641.4	651.0	661.5	668.6	675.0	674.6
10°	621.2	622.8	627.6	635.5	644.6	657.9	672.2	686.3	698.6	708.5	708.9
12.5°	630.7	632.7	640.3	652.2	666.0	683.1	700.0	716.0	732.9	747.6	748.8
15°	643.2	645.8	657.3	675.0	696.0	716.4	734.5	750.9	770.4	790.8	792.8
17.5°	661.7	665.4	680.5	704.5	732.1	754.5	773.5	785.8	802.1	823.1	826.9
20°	690.0	694.6	713.8	742.4	776.1	799.5	814.0	816.6	824.7	843.4	847.9
22.5°	726.7	730.7	752.1	786.2	823.9	849.3	857.0	846.5	845.7	860.8	865.0
25°	767.6	771.2	796.0	834.4	874.9	902.9	902.7	882.4	868.2	879.9	884.4
27.5°	813.6	819.2	843.0	883.4	926.7	954.4	952.7	921.3	894.5	897.5	901.3
30°	866.4	872.7	895.9	936.8	980.2	1007.2	1005.2	963.6	923.3	915.2	918.1
32.5°	932.0	939.4	961.4	1001.8	1040.1	1064.5	1058.6	1009.6	958.0	940.4	943.1
35°	1010.8	1015.3	1038.5	1078.2	1109.3	1126.0	1113.7	1062.9	1002.0	980.8	980.8
37.5°	1090.7	1094.1	1120.1	1158.7	1188.7	1197.6	1173.6	1121.2	1059.4	1029.4	1030.0
40°	1167.3	1176.6	1205.9	1245.4	1275.0	1277.5	1245.6	1187.7	1123.4	1092.3	1095.9
42.5°	1247.4	1256.5	1291.4	1336.1	1362.4	1366.4	1329.1	1262.3	1195.6	1170.4	1174.4
45°	1318.8	1326.1	1366.4	1418.4	1451.1	1461.6	1417.4	1347.8	1273.6	1249.0	1250.0
47.5°	1368.6	1378.1	1422.5	1483.8	1531.4	1547.5	1504.2	1431.1	1350.5	1320.6	1323.2
50°	1413.8	1418.8	1463.8	1530.8	1591.3	1624.6	1587.4	1513.4	1428.1	1396.5	1399.3
52.5°	1439.0	1445.5	1489.0	1558.8	1630.4	1684.1	1661.5	1587.4	1503.1	1472.3	1475.7
55°	1421.5	1426.3	1478.5	1565.1	1654.6	1720.8	1724.2	1659.8	1576.8	1549.7	1559.4
57.5°	1341.6	1347.6	1411.4	1524.7	1657.6	1745.6	1771.4	1727.0	1645.5	1623.5	1629.2
60°	1216.8	1220.6	1288.6	1416.0	1598.7	1755.9	1801.4	1781.9	1712.9	1690.9	1698.6
62.5°	994.3	999.9	1081.2	1252.0	1474.3	1725.4	1830.5	1827.2	1775.6	1755.4	1762.3
65°	679.7	689.6	779.5	995.5	1282.5	1632.2	1856.9	1880.1	1831.1	1805.7	1814.7
67.5°	410.4	417.7	482.8	657.3	981.4	1444.3	1829.7	1940.2	1870.2	1829.3	1836.7
68°	366.9	373.5	428.0	593.1	907.8	1391.2	1804.9	1947.0	1874.4	1828.9	1835.5
70°	221.6	226.1	262.6	366.7	605.3	1103.6	1635.6	1941.4	1901.5	1834.5	1838.3
72.5°	144.4	145.8	151.9	188.2	309.2	617.1	1227.6	1809.1	1942.0	1867.4	1866.8
75°	120.0	119.2	119.8	124.0	152.5	270.7	717.4	1429.1	1851.2	1815.5	1802.8
77.5°	101.4	100.8	100.6	100.8	102.1	130.7	311.4	890.2	1416.6	1606.0	1617.3
80°	82.1	81.3	83.9	82.7	79.1	81.3	130.5	370.3	667.8	718.4	673.2
82.5°	59.7	56.7	68.0	64.7	61.7	57.3	72.0	119.6	159.3	109.3	76.8
85°	46.0	42.8	51.6	49.6	42.4	29.2	42.8	58.5	64.5	36.9	29.0
87.5°	18.8	19.8	37.3	29.4	24.8	14.1	17.5	23.4	31.5	15.7	12.1
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)