

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: P317055

Luminaire Tested: **GAN-SA1D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317055
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-SA1D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6946 lumens
Efficiency: N/A
Efficacy: 103.7 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

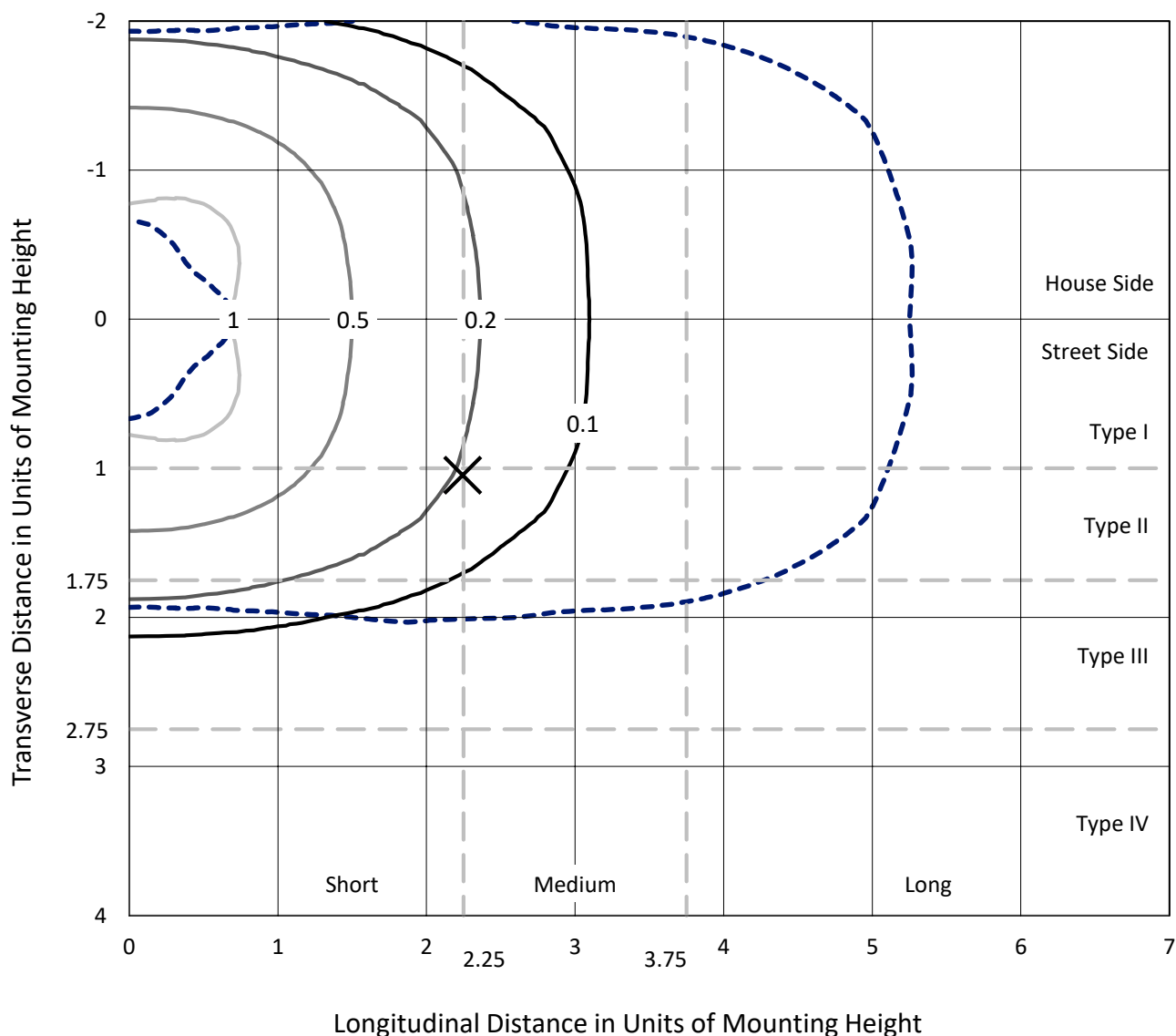
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

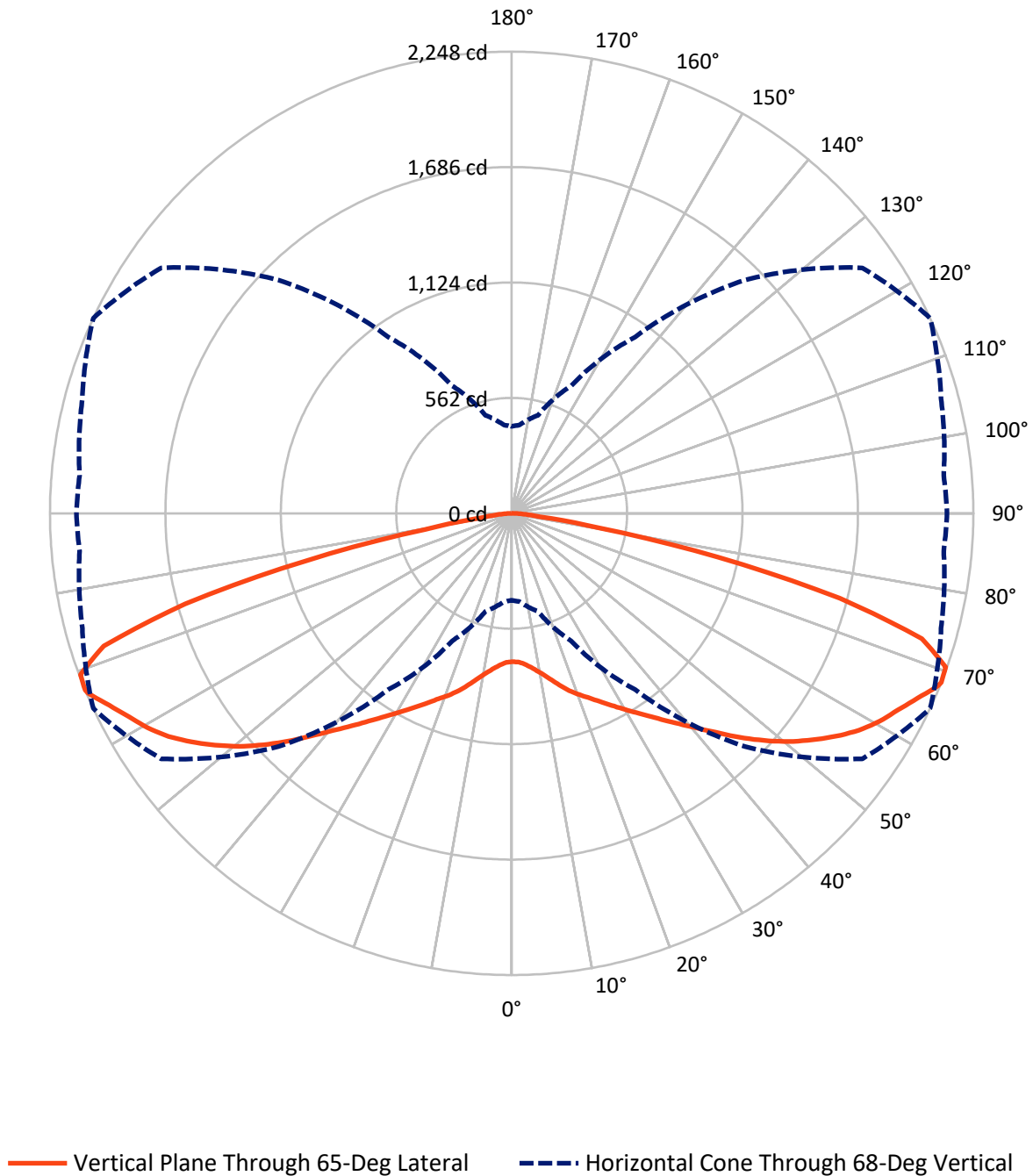
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3473.0	0.0	3473.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3473.0	0.0	3473.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6946.0	0.0	6946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.0
10°-20°	236.8	3.4
20°-30°	461.6	6.6
30°-40°	775.5	11.2
40°-50°	1221.9	17.6
50°-60°	1634.1	23.5
60°-70°	1588.6	22.9
70°-80°	868.4	12.5
80°-90°	88.3	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°	6946.0	100.0
0°-180°	6946.0	100.0

Coefficient of Utilization



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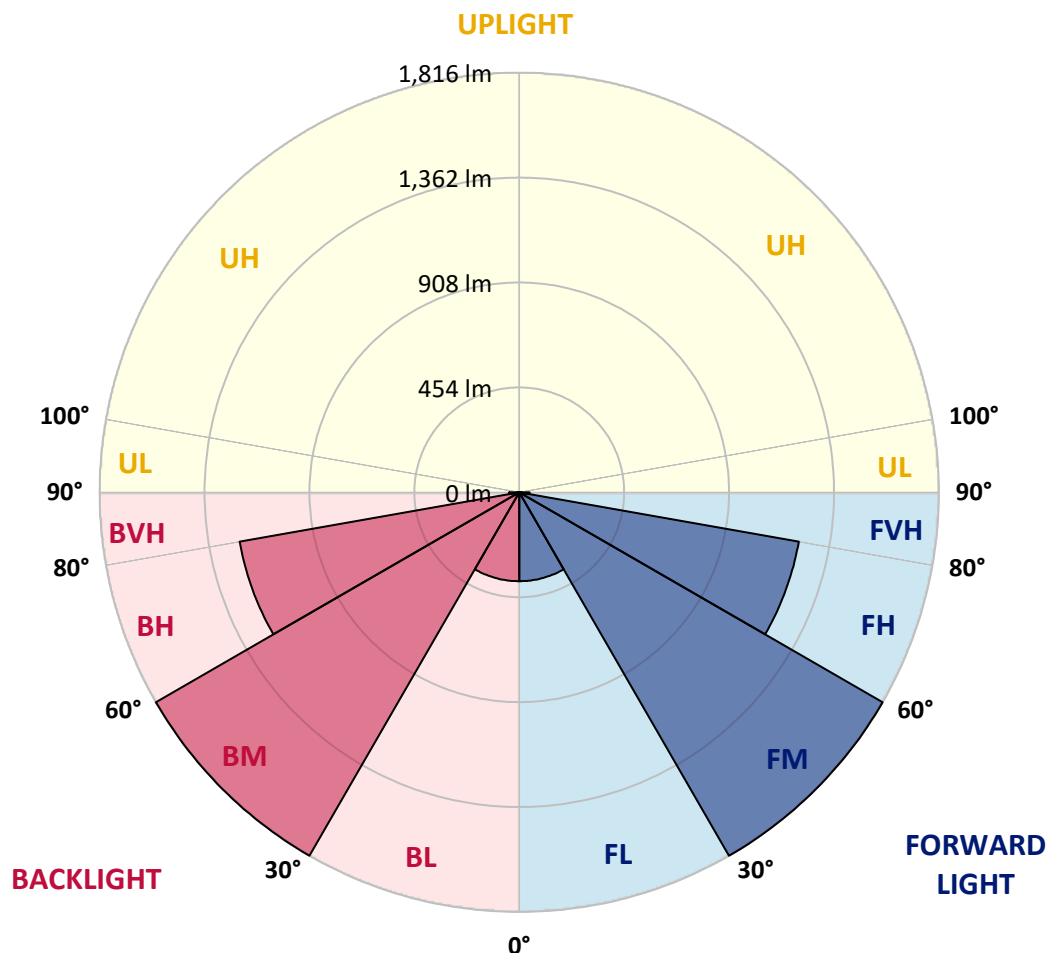
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.6	5.5			
FM	(30°-60°)	1815.8	26.1			
FH	(60°-80°)	1228.5	17.7			G1/1800
FVH	(80°-90°)	44.2	0.6			G1/100
BL	(0°-30°)	384.6	5.5	B1/500		
BM	(30°-60°)	1815.8	26.1	B2/2500		
BH	(60°-80°)	1228.5	17.7	B3/2500		G3/2500
BVH	(80°-90°)	44.2	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°	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2
2.5°	717.1	717.3	718.5	719.9	721.1	724.1	724.8	725.9	726.4	727.6	727.6
5°	710.8	711.3	714.1	717.8	722.0	729.4	734.8	740.9	743.9	747.1	746.9
7.5°	710.1	711.3	715.2	721.3	728.3	740.6	751.8	763.9	772.1	779.5	779.0
10°	717.3	719.2	724.8	733.9	744.3	759.7	776.3	792.6	806.8	818.2	818.6
12.5°	728.3	730.6	739.5	753.2	769.0	788.8	808.4	826.8	846.4	863.4	864.8
15°	742.7	745.7	759.0	779.5	803.7	827.3	848.2	867.1	889.7	913.2	915.5
17.5°	764.1	768.3	785.8	813.5	845.4	871.3	893.2	907.4	926.2	950.5	954.9
20°	796.7	802.1	824.2	857.3	896.2	923.2	940.0	943.0	952.3	974.0	979.1
22.5°	839.1	843.8	868.5	907.8	951.4	980.7	989.6	977.5	976.5	994.0	998.9
25°	886.4	890.6	919.3	963.5	1010.3	1042.7	1042.5	1018.9	1002.6	1016.1	1021.3
27.5°	939.5	946.0	973.5	1020.1	1070.2	1102.1	1100.2	1063.9	1032.9	1036.4	1040.8
30°	1000.5	1007.8	1034.5	1081.8	1131.9	1163.1	1160.8	1112.8	1066.2	1056.9	1060.2
32.5°	1076.2	1084.8	1110.2	1156.8	1201.1	1229.2	1222.5	1165.9	1106.3	1086.0	1089.0
35°	1167.3	1172.4	1199.2	1245.1	1280.9	1300.3	1286.1	1227.4	1157.0	1132.6	1132.6
37.5°	1259.5	1263.5	1293.5	1338.0	1372.7	1383.0	1355.2	1294.7	1223.4	1188.7	1189.4
40°	1348.0	1358.7	1392.5	1438.2	1472.4	1475.2	1438.4	1371.5	1297.2	1261.4	1265.6
42.5°	1440.5	1451.0	1491.3	1543.0	1573.2	1577.9	1534.8	1457.7	1380.6	1351.5	1356.2
45°	1522.9	1531.3	1577.9	1638.0	1675.7	1687.8	1636.8	1556.5	1470.8	1442.3	1443.5
47.5°	1580.5	1591.4	1642.6	1713.4	1768.4	1787.0	1737.0	1652.7	1559.5	1525.0	1528.1
50°	1632.6	1638.4	1690.4	1767.7	1837.6	1876.0	1833.1	1747.7	1649.2	1612.6	1615.9
52.5°	1661.7	1669.2	1719.5	1800.1	1882.8	1944.7	1918.6	1833.1	1735.8	1700.2	1704.1
55°	1641.5	1647.1	1707.4	1807.3	1910.7	1987.1	1991.1	1916.8	1820.8	1789.6	1800.8
57.5°	1549.2	1556.2	1629.8	1760.7	1914.2	2015.7	2045.6	1994.3	1900.2	1874.8	1881.4
60°	1405.1	1409.5	1488.0	1635.2	1846.2	2027.6	2080.3	2057.7	1978.0	1952.6	1961.5
62.5°	1148.2	1154.7	1248.6	1445.8	1702.5	1992.5	2113.8	2110.1	2050.4	2027.2	2035.1
65°	784.9	796.3	900.2	1149.6	1481.0	1884.9	2144.3	2171.1	2114.5	2085.1	2095.6
67.5°	473.9	482.3	557.6	759.0	1133.3	1667.8	2112.9	2240.5	2159.7	2112.4	2121.0
68°	423.6	431.3	494.2	685.0	1048.3	1606.5	2084.2	2248.4	2164.6	2111.9	2119.6
70°	256.0	261.1	303.2	423.4	698.9	1274.4	1888.8	2241.9	2195.8	2118.5	2122.9
72.5°	166.8	168.4	175.4	217.3	357.0	712.7	1417.7	2089.1	2242.6	2156.4	2155.7
75°	138.6	137.6	138.3	143.2	176.1	312.6	828.4	1650.3	2137.8	2096.6	2081.9
77.5°	117.1	116.4	116.2	116.4	117.8	150.9	359.6	1028.0	1635.9	1854.6	1867.6
80°	94.8	93.9	96.9	95.5	91.3	93.9	150.7	427.6	771.1	829.6	777.4
82.5°	68.9	65.4	78.5	74.8	71.3	66.1	83.1	138.1	184.0	126.2	88.7
85°	53.1	49.4	59.6	57.3	48.9	33.8	49.4	67.5	74.5	42.6	33.5
87.5°	21.7	22.8	43.1	34.0	28.6	16.3	20.3	27.0	36.3	18.2	14.0
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)