

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: P317045

Luminaire Tested: **GAN-SA1C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317045
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-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6331 lumens
Efficiency: N/A
Efficacy: 107.3 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



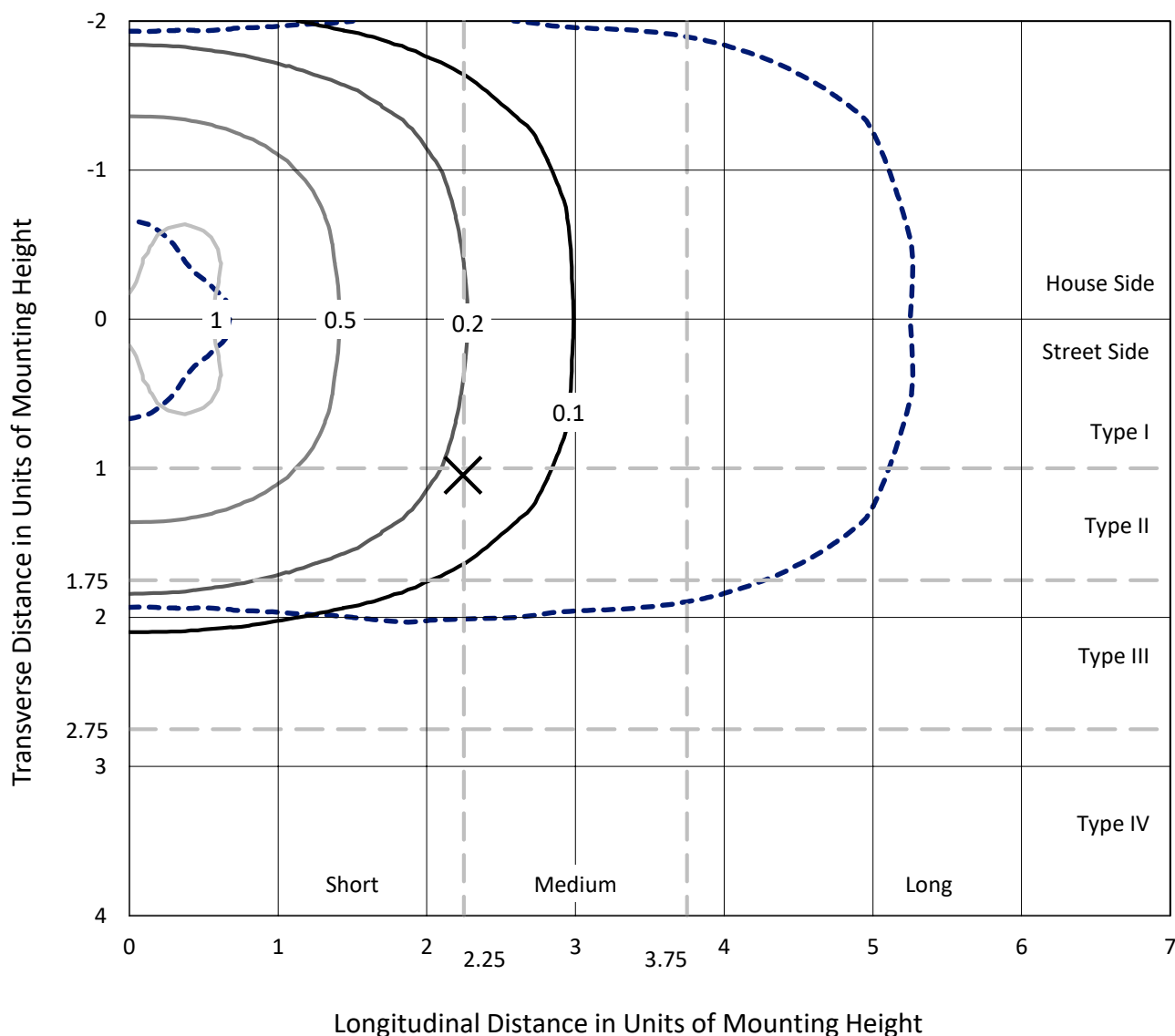
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

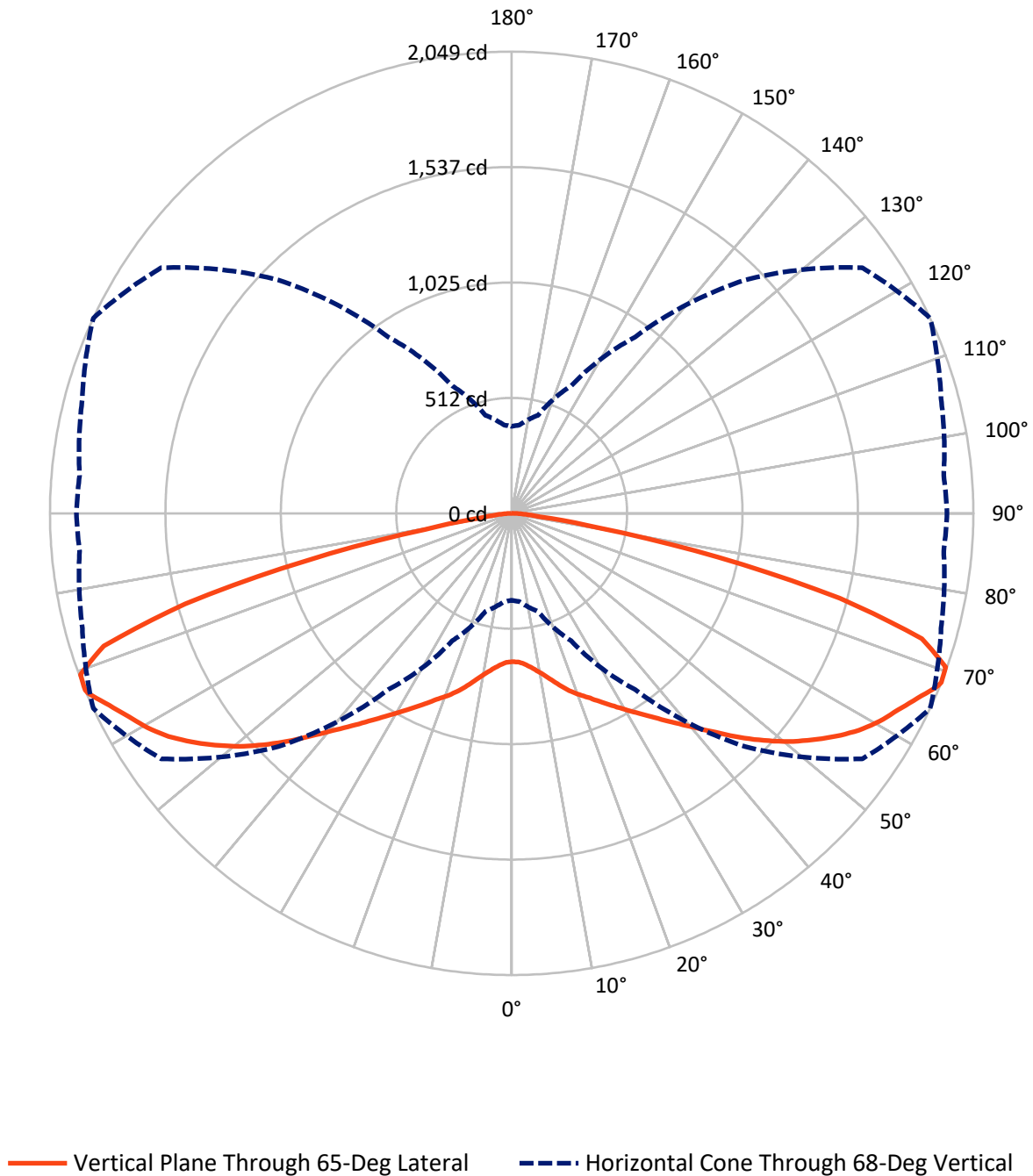


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

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	3165.5	0.0	3165.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3165.5	0.0	3165.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6331.0	0.0	6331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.0
10°-20°	215.8	3.4
20°-30°	420.8	6.6
30°-40°	706.8	11.2
40°-50°	1113.7	17.6
50°-60°	1489.4	23.5
60°-70°	1447.9	22.9
70°-80°	791.5	12.5
80°-90°	80.5	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°	6331.0	100.0
0°-180°	6331.0	100.0

Coefficient of Utilization



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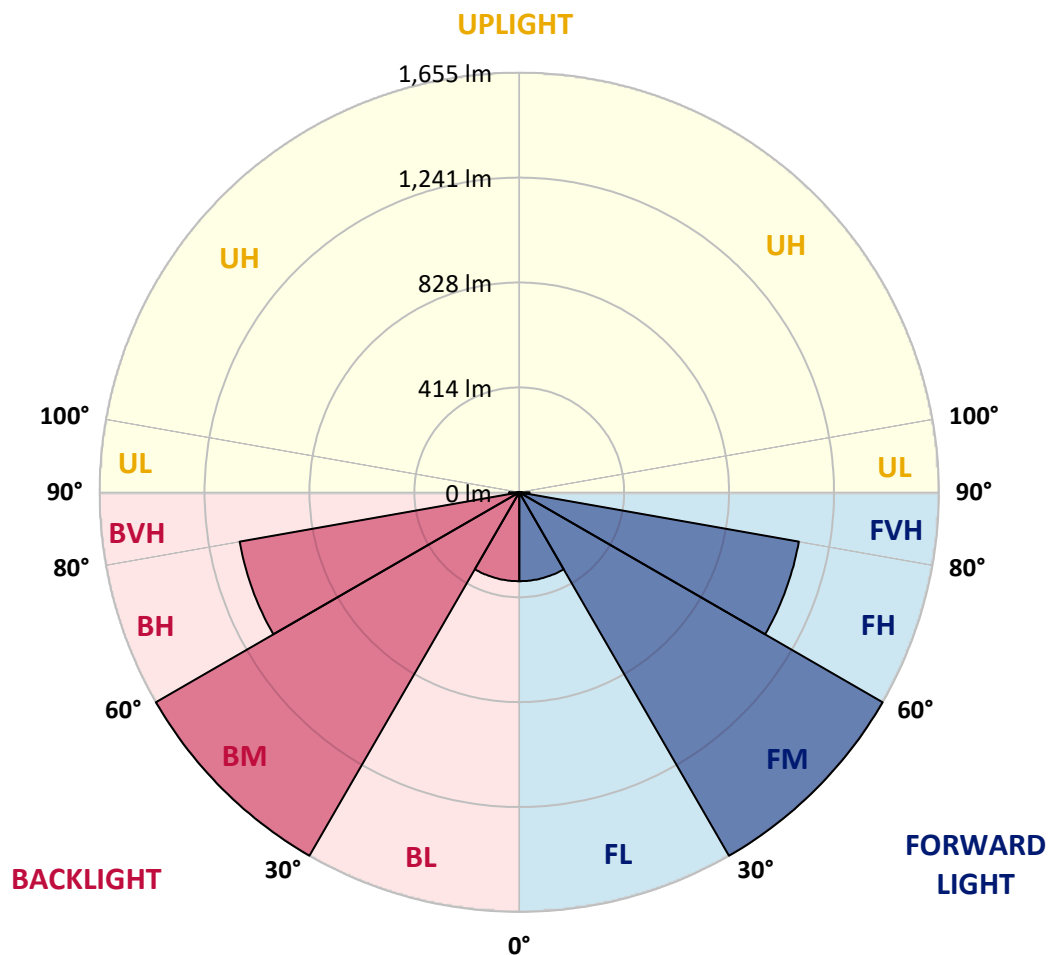
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.5	5.5			
FM	(30°-60°)	1655.0	26.1			
FH	(60°-80°)	1119.7	17.7			G1/1800
FVH	(80°-90°)	40.2	0.6			G1/100
BL	(0°-30°)	350.5	5.5	B1/500		
BM	(30°-60°)	1655.0	26.1	B2/2500		
BH	(60°-80°)	1119.7	17.7	B3/2500		G3/2500
BVH	(80°-90°)	40.2	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°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3
2.5°	653.6	653.8	654.9	656.2	657.2	660.0	660.6	661.7	662.1	663.2	663.2
5°	647.9	648.3	650.8	654.2	658.1	664.9	669.7	675.3	678.0	681.0	680.8
7.5°	647.2	648.3	651.9	657.4	663.8	675.0	685.2	696.3	703.7	710.5	710.1
10°	653.8	655.5	660.6	668.9	678.4	692.5	707.5	722.4	735.3	745.7	746.2
12.5°	663.8	665.9	674.0	686.5	700.9	719.0	736.8	753.6	771.4	786.9	788.2
15°	677.0	679.7	691.8	710.5	732.6	754.0	773.1	790.3	810.9	832.3	834.5
17.5°	696.5	700.3	716.2	741.5	770.6	794.1	814.1	827.0	844.2	866.3	870.3
20°	726.2	731.1	751.3	781.4	816.8	841.5	856.8	859.5	868.0	887.7	892.4
22.5°	764.8	769.1	791.6	827.5	867.2	893.9	902.0	890.9	890.1	906.0	910.5
25°	807.9	811.8	837.9	878.2	920.9	950.4	950.2	928.7	913.9	926.2	930.8
27.5°	856.3	862.3	887.3	929.8	975.4	1004.5	1002.8	969.7	941.5	944.6	948.7
30°	911.9	918.5	942.9	986.0	1031.7	1060.1	1058.0	1014.3	971.8	963.3	966.3
32.5°	980.9	988.8	1011.9	1054.4	1094.7	1120.4	1114.2	1062.7	1008.3	989.9	992.6
35°	1063.9	1068.6	1093.0	1134.8	1167.5	1185.1	1172.2	1118.7	1054.6	1032.3	1032.3
37.5°	1148.0	1151.6	1179.0	1219.5	1251.2	1260.5	1235.2	1180.1	1115.1	1083.5	1084.1
40°	1228.7	1238.4	1269.2	1310.8	1342.0	1344.6	1311.0	1250.1	1182.4	1149.7	1153.5
42.5°	1312.9	1322.5	1359.2	1406.3	1433.9	1438.2	1398.9	1328.6	1258.4	1231.9	1236.1
45°	1388.1	1395.7	1438.2	1493.0	1527.3	1538.4	1491.9	1418.7	1340.5	1314.6	1315.7
47.5°	1440.5	1450.5	1497.2	1561.7	1611.8	1628.8	1583.2	1506.3	1421.4	1390.0	1392.8
50°	1488.1	1493.4	1540.7	1611.2	1674.9	1709.9	1670.8	1592.9	1503.1	1469.8	1472.8
52.5°	1514.6	1521.4	1567.3	1640.7	1716.1	1772.5	1748.7	1670.8	1582.1	1549.6	1553.2
55°	1496.1	1501.2	1556.2	1647.3	1741.5	1811.2	1814.8	1747.1	1659.6	1631.1	1641.3
57.5°	1412.1	1418.4	1485.5	1604.8	1744.7	1837.3	1864.4	1817.7	1732.0	1708.8	1714.8
60°	1280.7	1284.7	1356.2	1490.4	1682.7	1848.1	1896.1	1875.5	1802.9	1779.7	1787.8
62.5°	1046.5	1052.5	1138.0	1317.8	1551.8	1816.0	1926.6	1923.2	1868.9	1847.7	1854.9
65°	715.4	725.8	820.5	1047.8	1349.9	1718.0	1954.4	1978.9	1927.3	1900.5	1910.1
67.5°	432.0	439.6	508.2	691.8	1032.9	1520.1	1925.8	2042.1	1968.5	1925.4	1933.2
68°	386.1	393.1	450.5	624.3	955.5	1464.3	1899.7	2049.3	1972.9	1924.9	1931.9
70°	233.3	238.0	276.4	385.9	637.0	1161.6	1721.6	2043.4	2001.4	1930.9	1934.9
72.5°	152.0	153.5	159.8	198.1	325.4	649.6	1292.1	1904.1	2044.0	1965.5	1964.8
75°	126.3	125.5	126.1	130.6	160.5	284.9	755.1	1504.2	1948.5	1910.9	1897.6
77.5°	106.8	106.1	105.9	106.1	107.4	137.6	327.8	937.0	1491.0	1690.4	1702.3
80°	86.4	85.5	88.3	87.0	83.2	85.5	137.3	389.7	702.9	756.1	708.6
82.5°	62.8	59.7	71.5	68.1	65.0	60.3	75.8	125.9	167.7	115.1	80.9
85°	48.4	45.0	54.3	52.2	44.6	30.8	45.0	61.6	67.9	38.8	30.6
87.5°	19.7	20.8	39.3	31.0	26.1	14.9	18.5	24.6	33.1	16.6	12.7
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)