

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: P316077

Luminaire Tested: **GAN-SA3B-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316077
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-SA3B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15369 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

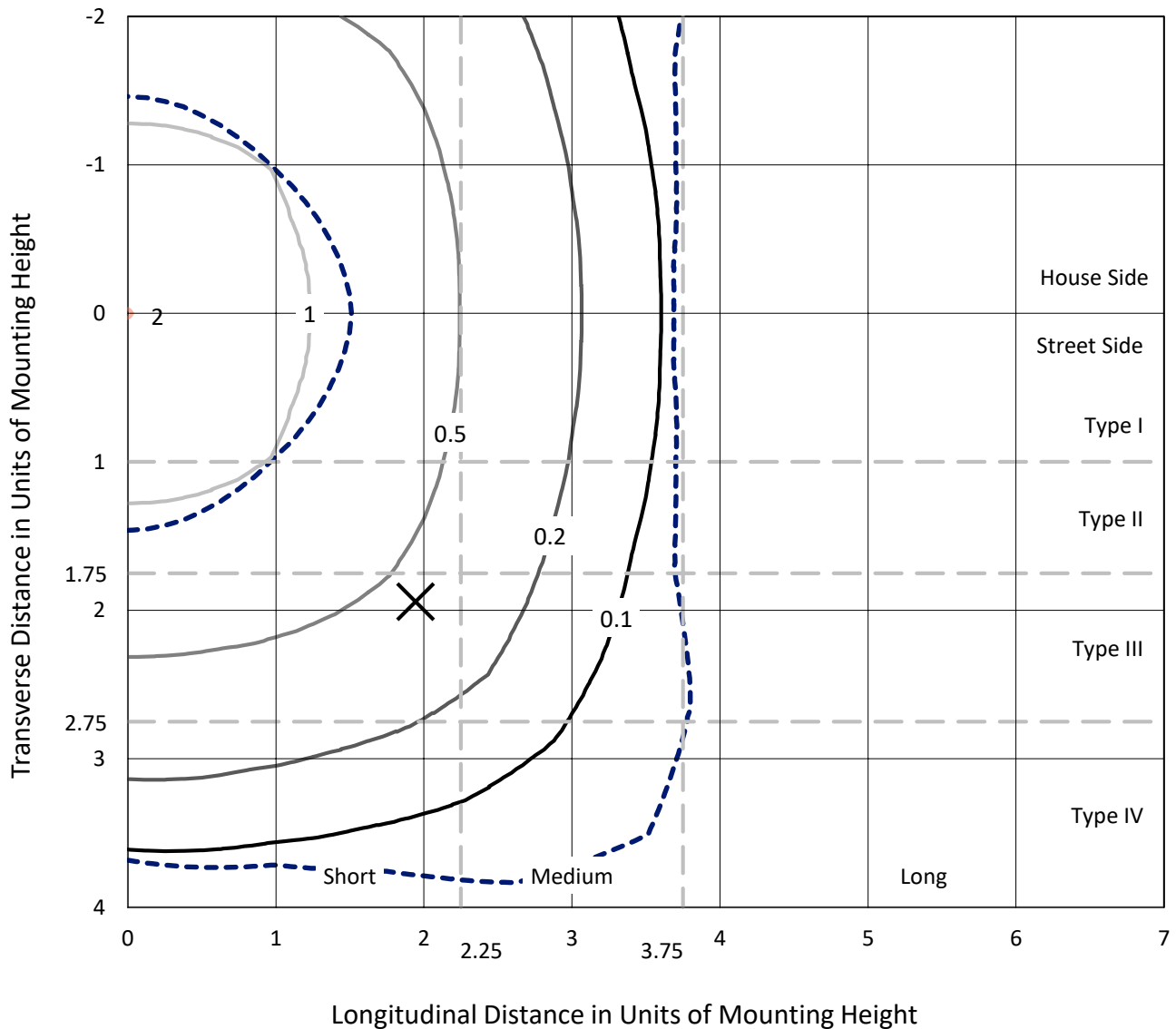
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

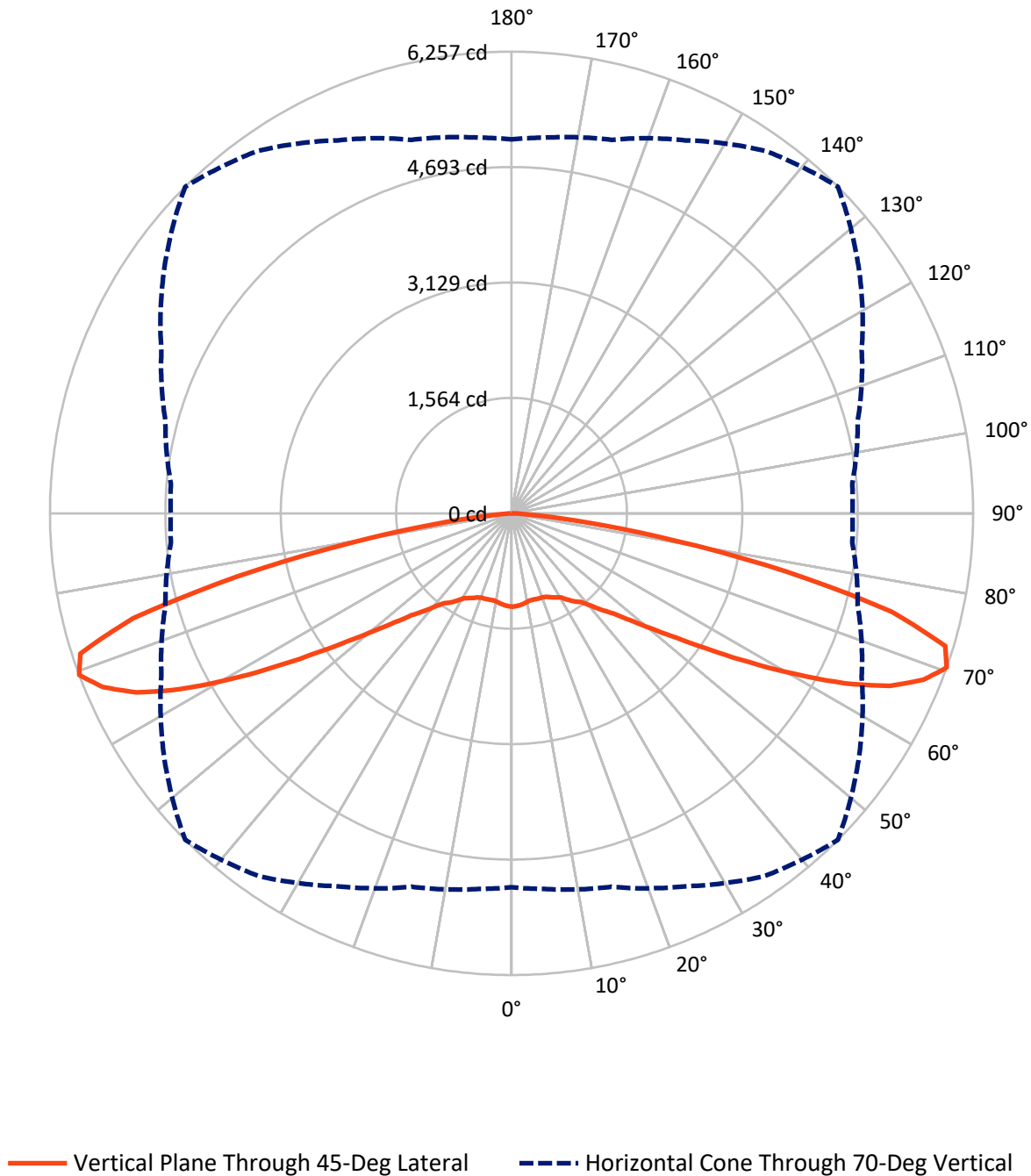
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	7684.5	0.0	7684.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7684.5	0.0	7684.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15369.0	0.0	15369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	0.8
10°-20°	344.8	2.2
20°-30°	587.9	3.8
30°-40°	918.7	6.0
40°-50°	1557.0	10.1
50°-60°	2839.2	18.5
60°-70°	4887.9	31.8
70°-80°	3831.3	24.9
80°-90°	284.1	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°	15369.0	100.0
0°-180°	15369.0	100.0

Coefficient of Utilization



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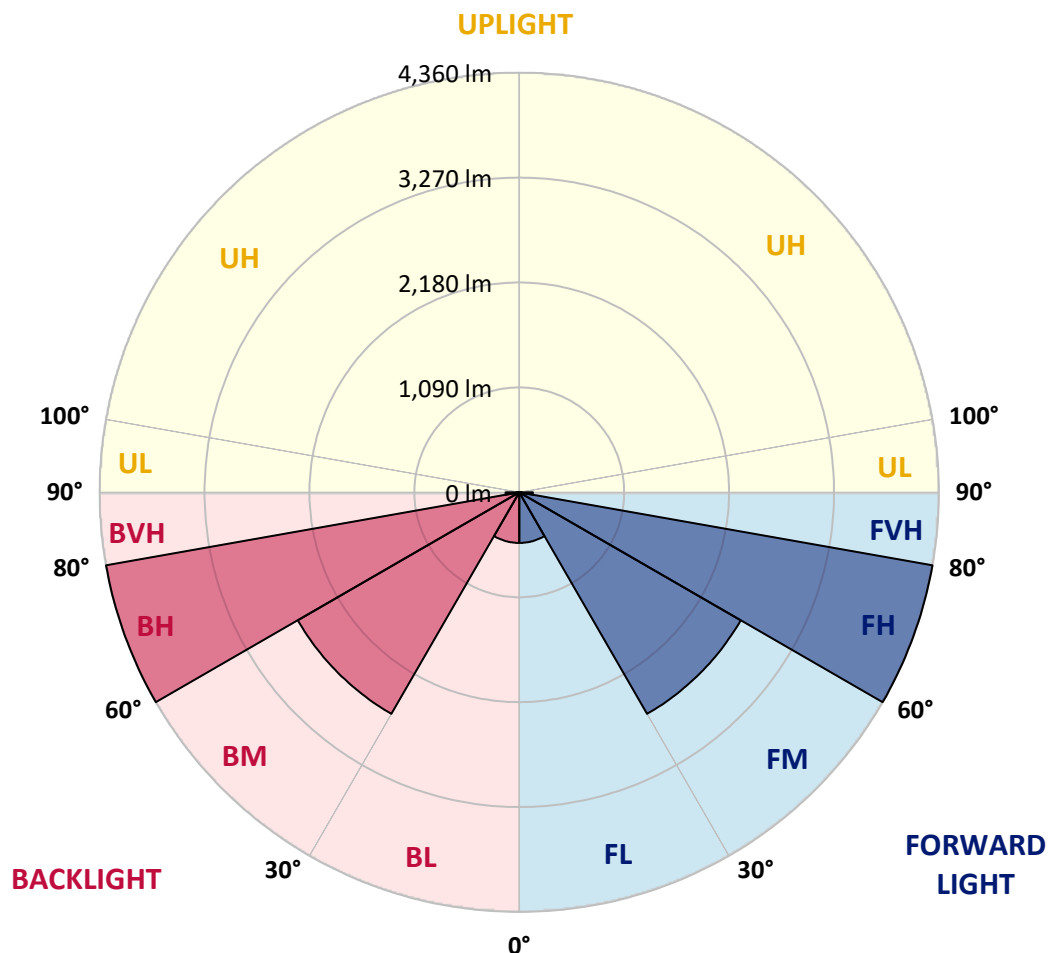
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	525.4	3.4			
FM	(30°-60°)	2657.4	17.3			
FH	(60°-80°)	4359.6	28.4			G2/5000
FVH	(80°-90°)	142.0	0.9			G2/225
BL	(0°-30°)	525.4	3.4	B2/1000		
BM	(30°-60°)	2657.4	17.3	B3/5000		
BH	(60°-80°)	4359.6	28.4	B4/5000		G2/5000
BVH	(80°-90°)	142.0	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1259.3	1260.8	1259.3	1260.3	1257.8	1258.8	1258.8	1258.8	1258.3	1258.8	1257.8
5°	1248.1	1249.1	1247.1	1248.1	1246.6	1248.1	1248.6	1248.1	1247.1	1247.6	1245.6
7.5°	1231.3	1232.3	1230.8	1232.3	1230.3	1232.8	1232.3	1230.8	1229.3	1229.3	1227.3
10°	1222.2	1222.7	1218.6	1217.1	1212.5	1213.5	1215.0	1216.6	1218.1	1221.1	1220.6
12.5°	1222.7	1222.7	1216.6	1210.0	1203.4	1204.9	1207.4	1213.0	1219.1	1224.7	1225.2
15°	1227.8	1227.3	1218.1	1207.4	1202.8	1207.4	1208.9	1212.5	1222.2	1231.8	1232.3
17.5°	1231.3	1231.3	1217.1	1204.9	1204.4	1211.5	1211.0	1212.5	1223.2	1237.4	1237.9
20°	1237.9	1237.9	1219.6	1206.4	1206.4	1214.0	1214.5	1217.1	1227.8	1243.5	1246.1
22.5°	1252.7	1253.2	1233.9	1223.2	1224.2	1228.8	1230.3	1234.4	1244.0	1261.3	1264.4
25°	1273.5	1274.5	1254.7	1248.6	1252.2	1260.8	1259.8	1262.8	1273.5	1290.3	1293.3
27.5°	1302.5	1299.9	1281.6	1279.1	1282.7	1288.8	1288.3	1288.8	1297.4	1312.7	1316.2
30°	1340.1	1339.1	1325.9	1327.4	1325.9	1323.8	1324.4	1328.4	1333.0	1345.2	1348.8
32.5°	1376.7	1377.7	1369.6	1377.2	1388.4	1396.0	1384.3	1373.2	1368.1	1374.7	1377.7
35°	1442.8	1445.3	1432.6	1427.6	1442.8	1465.2	1432.1	1413.8	1424.0	1432.6	1435.2
37.5°	1555.2	1556.7	1535.3	1515.0	1503.8	1525.2	1492.1	1493.6	1529.2	1545.5	1545.0
40°	1683.3	1683.8	1669.5	1651.8	1632.4	1637.5	1624.3	1628.4	1651.8	1666.5	1670.6
42.5°	1835.8	1834.3	1811.9	1786.5	1780.9	1786.0	1763.6	1760.5	1787.5	1813.9	1814.4
45°	2033.6	2030.0	2001.0	1973.1	1946.1	1934.9	1929.3	1944.1	1981.2	2005.6	2006.1
47.5°	2246.6	2236.9	2221.7	2199.3	2175.9	2164.7	2155.6	2162.7	2189.6	2199.3	2200.3
50°	2465.7	2467.7	2470.8	2462.1	2453.5	2449.9	2426.0	2412.3	2420.4	2402.6	2400.1
52.5°	2725.5	2729.5	2759.0	2783.9	2798.7	2806.3	2761.1	2713.8	2687.3	2652.8	2642.6
55°	3032.0	3038.6	3081.9	3151.0	3222.2	3259.8	3177.9	3089.5	3007.6	2943.1	2922.2
57.5°	3373.7	3385.4	3444.8	3577.5	3723.4	3812.4	3674.1	3513.5	3355.4	3262.3	3246.1
60°	3774.3	3785.5	3867.8	4058.0	4294.4	4428.1	4218.6	3955.8	3759.0	3670.1	3640.1
62.5°	4251.1	4252.2	4353.3	4575.5	4887.6	5073.7	4790.0	4438.7	4235.9	4128.6	4099.6
65°	4764.1	4766.7	4871.4	5111.3	5434.2	5636.5	5316.2	4950.2	4702.1	4544.0	4521.6
67.5°	5126.6	5137.3	5247.6	5536.4	5838.3	6020.8	5689.4	5275.5	4988.8	4800.2	4781.4
70°	5068.6	5110.3	5240.0	5577.0	5997.0	6257.2	5749.9	5236.9	4858.7	4636.0	4620.2
72.5°	4420.4	4500.3	4673.1	5115.4	5787.0	6145.4	5419.9	4690.4	4262.3	4072.7	4044.2
75°	3010.2	3139.8	3400.6	4038.6	4944.1	5320.8	4562.8	3739.7	3337.1	3074.7	3055.4
77.5°	1342.1	1371.6	1702.1	2436.7	3411.8	3821.0	3315.2	2446.4	1836.3	1464.7	1386.4
80°	374.2	378.7	505.3	907.5	1707.7	2245.0	1833.2	953.2	535.8	377.7	355.9
82.5°	119.0	129.1	157.6	235.4	574.0	1024.4	589.2	254.2	181.0	144.4	130.1
85°	58.0	57.4	79.8	95.6	146.4	226.7	156.1	117.9	103.2	68.6	62.0
87.5°	24.4	24.9	37.1	33.6	42.7	36.6	50.3	52.9	55.4	30.5	26.4
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)