

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: P316405

Luminaire Tested: **GAN-SA1C-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6506 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

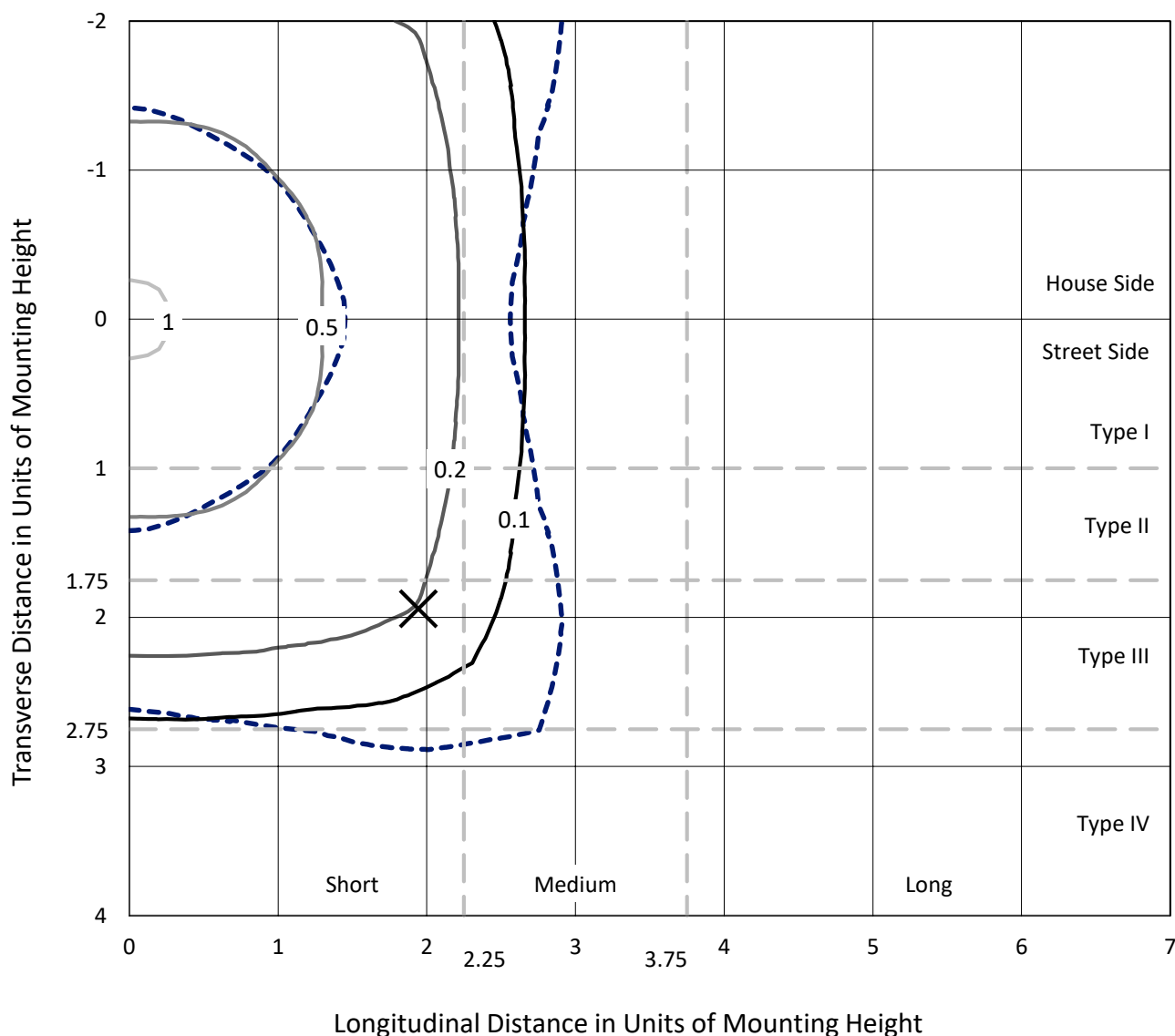
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

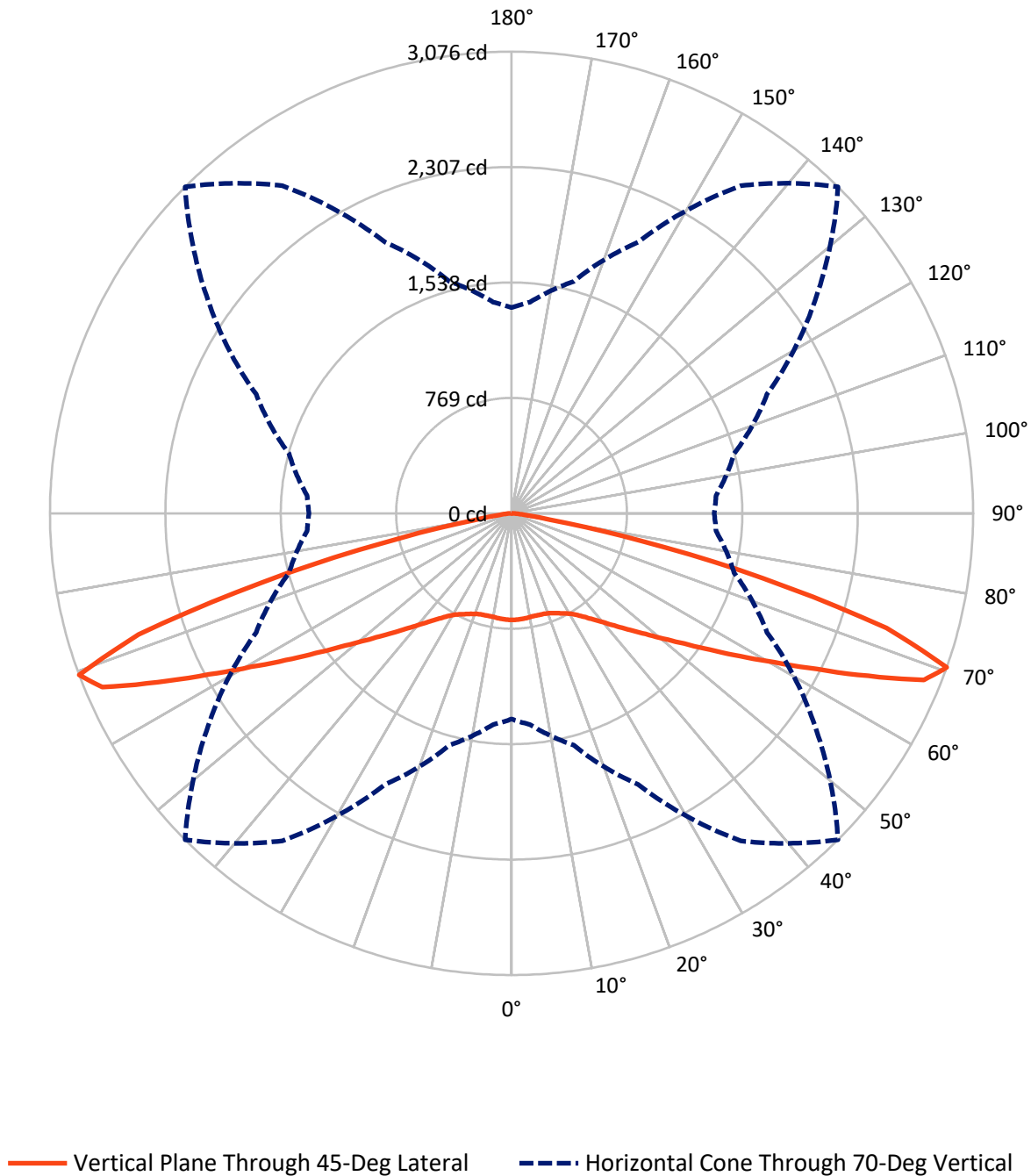
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3253.0	0.0	3253.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3253.0	0.0	3253.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6506.0	0.0	6506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.0
10°-20°	197.6	3.0
20°-30°	336.3	5.2
30°-40°	533.4	8.2
40°-50°	868.0	13.3
50°-60°	1431.2	22.0
60°-70°	2101.0	32.3
70°-80°	929.1	14.3
80°-90°	42.1	0.6
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°	6506.0	100.0
0°-180°	6506.0	100.0

Coefficient of Utilization



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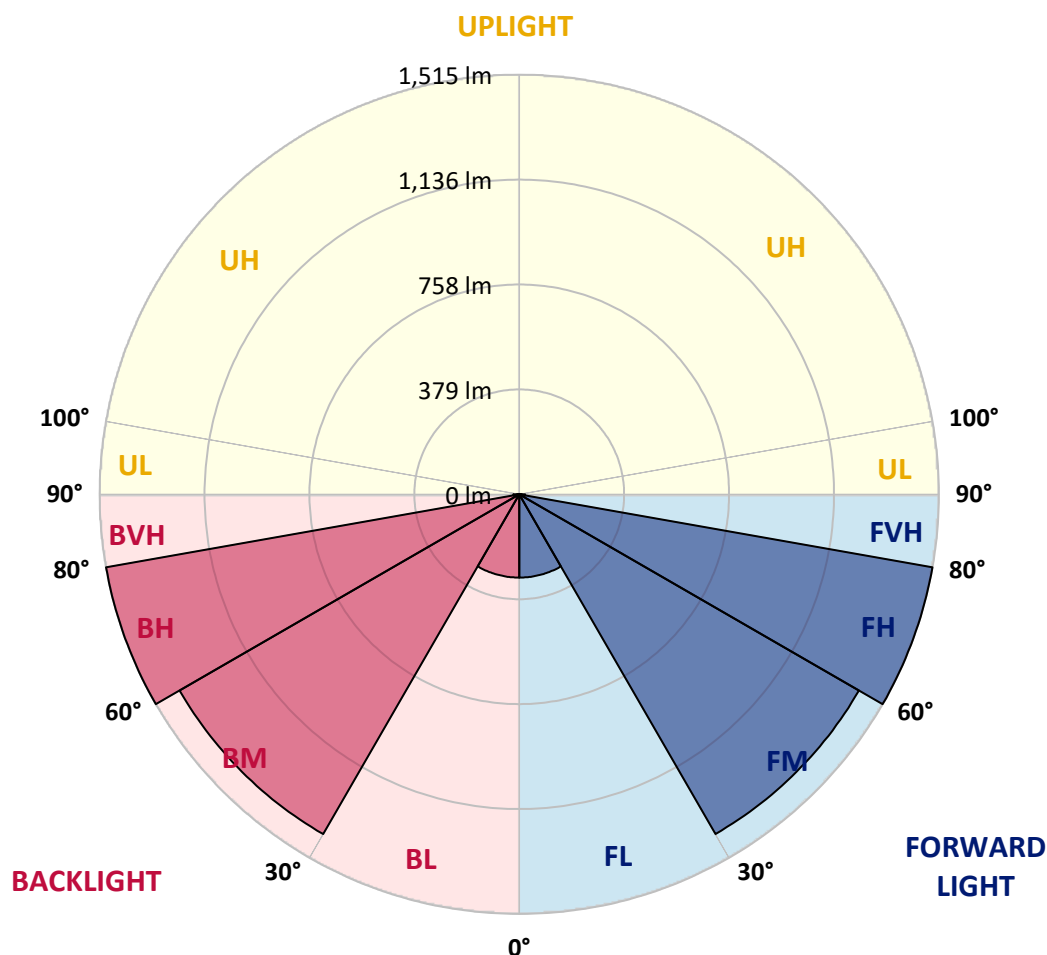
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.6	4.6			
FM	(30°-60°)	1416.3	21.8			
FH	(60°-80°)	1515.1	23.3			G1/1800
FVH	(80°-90°)	21.0	0.3			G1/100
BL	(0°-30°)	300.6	4.6	B1/500		
BM	(30°-60°)	1416.3	21.8	B2/2500		
BH	(60°-80°)	1515.1	23.3	B3/2500		G1/1800
BVH	(80°-90°)	21.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	709.5	708.8	710.3	710.1	708.8	709.0	709.0	709.7	709.7	709.3	709.3
5°	706.9	706.5	708.2	708.2	706.9	707.3	707.8	708.4	708.2	707.8	707.5
7.5°	703.7	703.5	705.2	705.2	704.3	704.7	704.3	704.5	704.1	703.7	703.0
10°	698.3	698.7	700.2	700.7	700.7	700.9	700.4	699.4	698.7	698.1	697.4
12.5°	693.3	693.1	695.3	696.3	698.1	700.0	698.7	695.7	694.4	693.1	692.7
15°	690.1	690.3	692.5	694.4	697.4	701.5	700.0	695.3	692.7	691.2	690.7
17.5°	689.5	689.9	692.7	696.1	699.4	703.9	703.0	698.3	694.0	691.2	690.5
20°	691.0	691.2	695.5	700.4	706.0	710.3	708.4	703.2	697.4	693.1	692.0
22.5°	693.8	694.6	700.0	707.8	716.4	722.2	719.8	711.0	701.9	696.6	695.1
25°	702.6	702.8	710.1	720.7	731.0	737.7	734.9	722.4	710.8	704.7	702.8
27.5°	720.9	721.5	728.9	741.1	750.0	754.3	752.5	742.4	732.5	726.1	726.7
30°	747.4	748.2	756.4	770.0	775.4	776.4	776.0	771.3	762.2	753.6	754.3
32.5°	779.7	780.1	791.1	803.4	807.7	808.5	807.7	803.4	792.6	781.0	781.6
35°	821.2	822.5	833.1	844.9	848.4	850.1	848.6	843.0	831.8	820.4	819.9
37.5°	872.5	872.7	883.7	895.9	900.3	900.7	899.0	895.3	881.3	871.0	870.3
40°	931.9	932.8	945.7	958.8	960.5	958.6	961.0	958.8	944.4	932.6	934.5
42.5°	1004.3	1006.2	1021.7	1034.6	1029.7	1028.6	1030.1	1030.7	1019.1	1004.7	1003.4
45°	1088.4	1090.2	1109.5	1119.9	1116.7	1109.5	1112.6	1117.7	1101.6	1083.7	1085.4
47.5°	1184.5	1188.8	1209.5	1219.1	1211.2	1201.5	1207.3	1215.1	1196.1	1173.9	1172.8
50°	1291.3	1296.7	1324.2	1337.8	1329.8	1311.9	1321.6	1326.8	1299.5	1270.8	1268.5
52.5°	1405.2	1410.6	1445.2	1473.2	1468.1	1440.3	1453.8	1448.5	1417.0	1378.5	1375.5
55°	1534.2	1536.3	1573.8	1619.0	1624.2	1603.7	1602.8	1594.0	1547.5	1502.9	1500.8
57.5°	1666.8	1668.3	1716.7	1770.1	1794.5	1794.5	1770.4	1751.6	1689.8	1638.2	1632.8
60°	1810.0	1815.4	1869.0	1941.5	1998.4	2015.2	1972.5	1921.5	1854.3	1791.2	1785.0
62.5°	1937.5	1943.7	2025.7	2133.8	2225.1	2286.3	2182.1	2098.9	1976.6	1875.4	1863.6
65°	1953.6	1970.4	2089.9	2285.6	2490.0	2612.0	2412.2	2207.5	1984.6	1844.0	1831.9
67.5°	1784.1	1812.6	1974.1	2278.7	2701.0	2963.0	2559.3	2145.4	1841.6	1686.2	1672.8
70°	1370.9	1412.3	1598.5	1993.2	2664.6	3076.1	2467.1	1878.2	1535.4	1368.1	1349.4
72.5°	752.1	769.1	936.6	1364.9	2136.2	2614.0	2057.8	1388.8	1018.2	828.6	797.1
75°	238.6	244.6	329.9	558.5	1208.4	1731.4	1307.2	681.7	375.3	276.7	273.5
77.5°	105.9	106.6	119.3	163.0	416.2	877.2	500.0	185.6	127.9	111.8	115.4
80°	67.0	67.0	73.9	80.7	113.3	254.7	135.2	88.3	75.4	70.0	71.5
82.5°	32.1	35.5	48.0	51.7	62.2	85.7	69.3	57.7	50.4	37.5	34.9
85°	21.1	17.7	30.4	34.2	36.2	41.1	40.3	38.1	32.9	18.7	20.9
87.5°	9.5	9.0	15.7	14.4	13.6	10.3	15.5	19.2	18.5	9.3	9.3
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)