

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: P316085

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316085
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-SA1C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6522 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

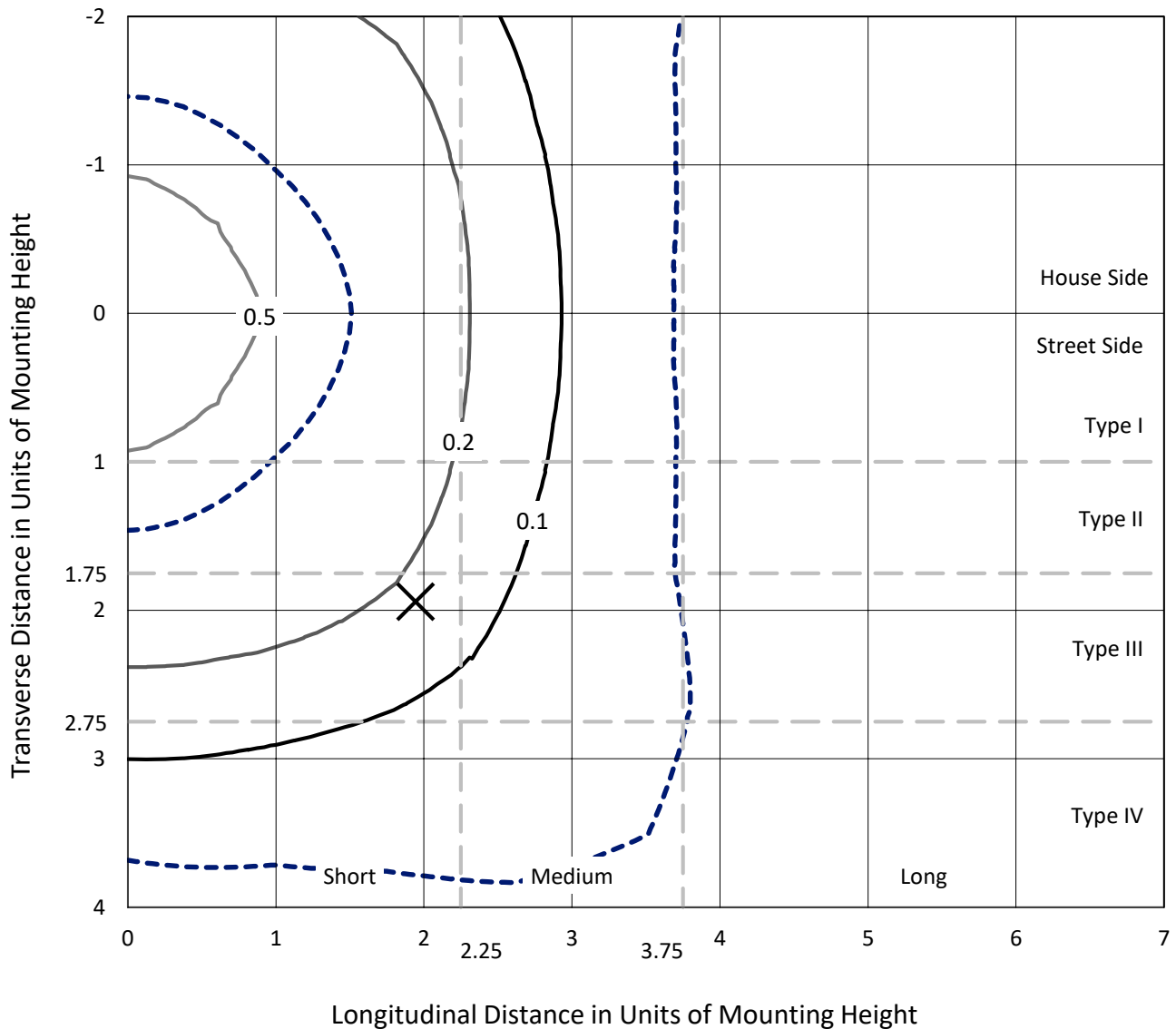
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

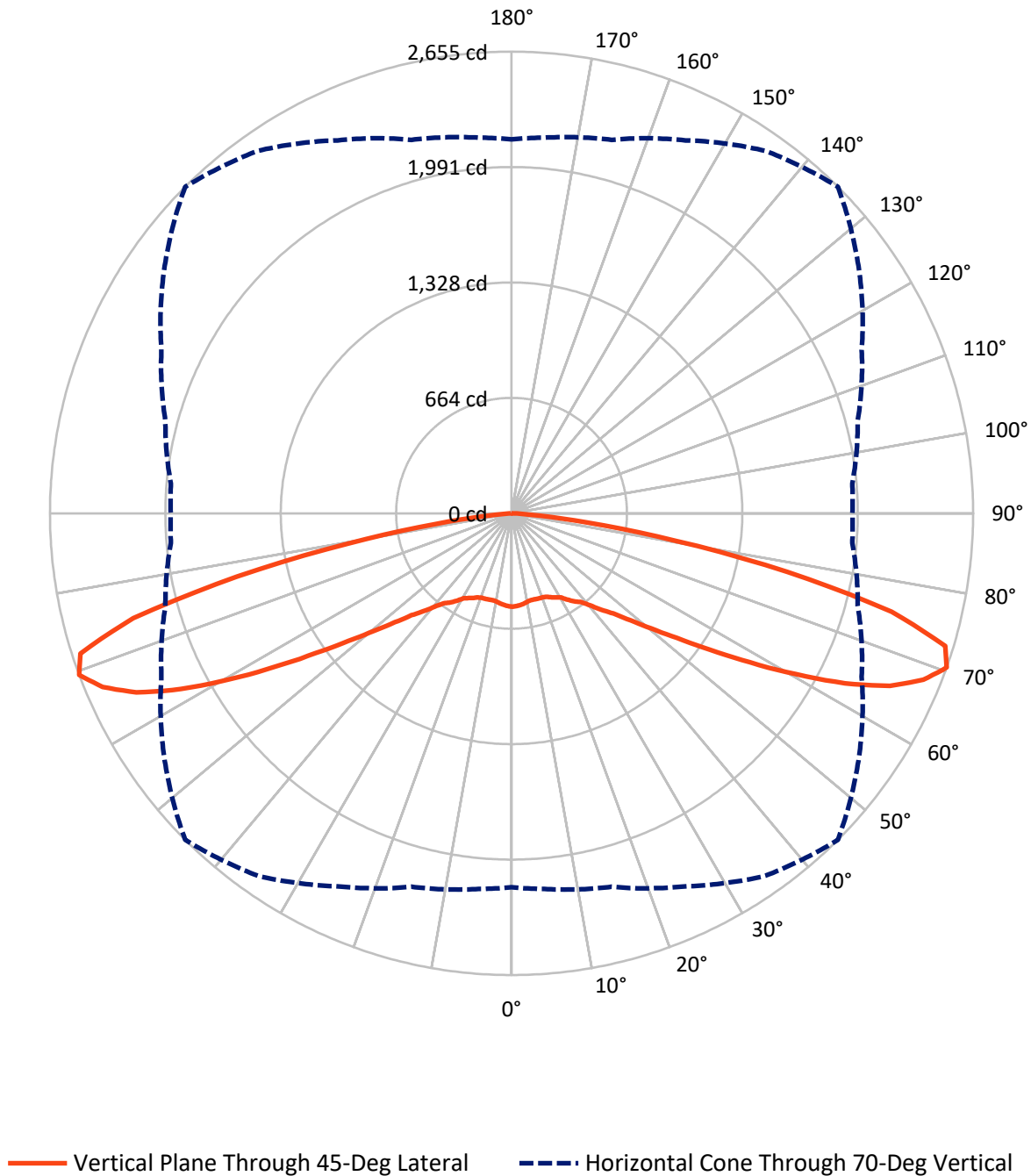
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	3261.0	0.0	3261.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3261.0	0.0	3261.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6522.0	0.0	6522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	0.8
10°-20°	146.3	2.2
20°-30°	249.5	3.8
30°-40°	389.9	6.0
40°-50°	660.7	10.1
50°-60°	1204.9	18.5
60°-70°	2074.2	31.8
70°-80°	1625.9	24.9
80°-90°	120.6	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°	6522.0	100.0
0°-180°	6522.0	100.0

Coefficient of Utilization



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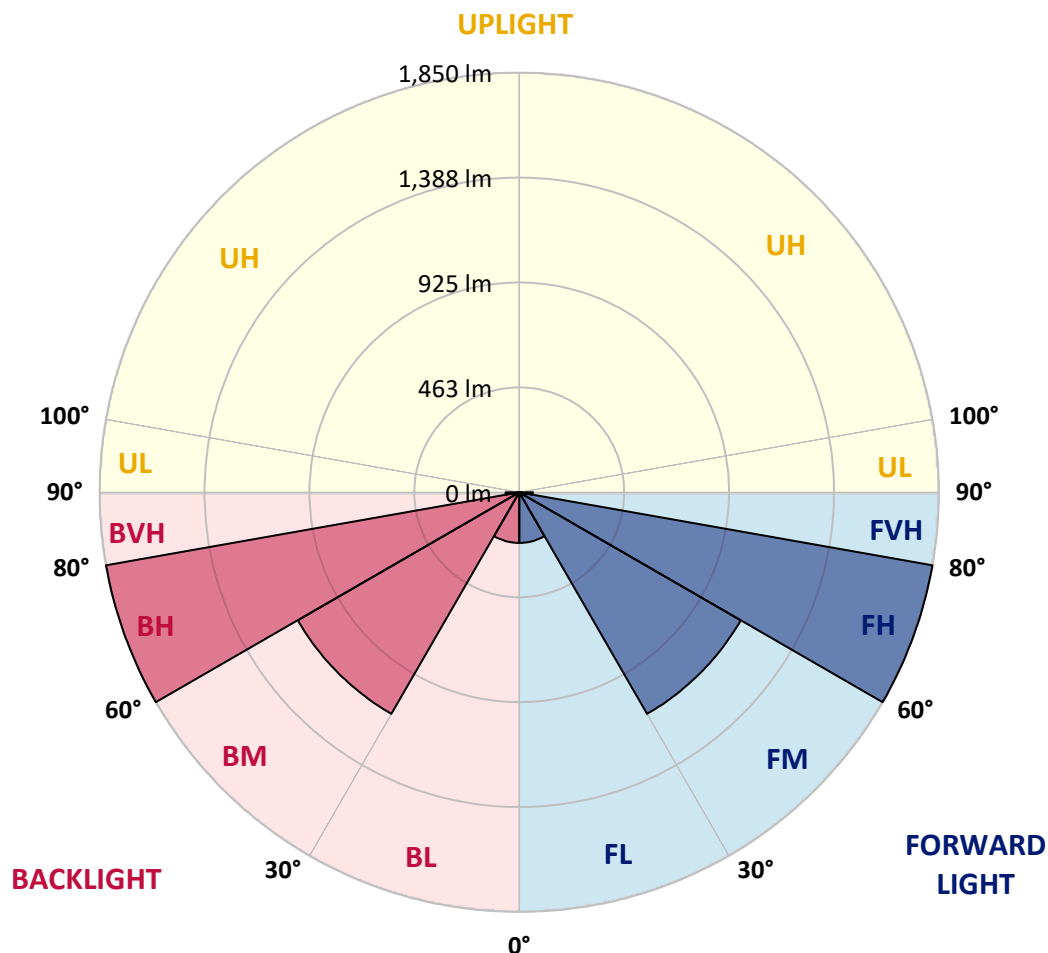
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.0	3.4			
FM	(30°-60°)	1127.7	17.3			
FH	(60°-80°)	1850.0	28.4			G2/5000
FVH	(80°-90°)	60.3	0.9			G1/100
BL	(0°-30°)	223.0	3.4	B1/500		
BM	(30°-60°)	1127.7	17.3	B2/2500		
BH	(60°-80°)	1850.0	28.4	B3/2500		G2/5000
BVH	(80°-90°)	60.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8
2.5°	534.4	535.0	534.4	534.8	533.7	534.2	534.2	534.2	534.0	534.2	533.7
5°	529.6	530.1	529.2	529.6	529.0	529.6	529.9	529.6	529.2	529.4	528.6
7.5°	522.5	523.0	522.3	523.0	522.1	523.2	523.0	522.3	521.7	521.7	520.8
10°	518.6	518.9	517.1	516.5	514.5	515.0	515.6	516.3	516.9	518.2	518.0
12.5°	518.9	518.9	516.3	513.5	510.7	511.3	512.4	514.8	517.3	519.7	519.9
15°	521.0	520.8	516.9	512.4	510.4	512.4	513.0	514.5	518.6	522.7	523.0
17.5°	522.5	522.5	516.5	511.3	511.1	514.1	513.9	514.5	519.1	525.1	525.3
20°	525.3	525.3	517.6	512.0	512.0	515.2	515.4	516.5	521.0	527.7	528.8
22.5°	531.6	531.8	523.6	519.1	519.5	521.4	522.1	523.8	527.9	535.3	536.5
25°	540.4	540.9	532.4	529.9	531.4	535.0	534.6	535.9	540.4	547.5	548.8
27.5°	552.7	551.6	543.9	542.8	544.3	546.9	546.7	546.9	550.6	557.0	558.6
30°	568.7	568.3	562.7	563.3	562.7	561.8	562.0	563.7	565.7	570.8	572.4
32.5°	584.2	584.7	581.2	584.4	589.2	592.4	587.5	582.7	580.6	583.4	584.7
35°	612.3	613.3	608.0	605.8	612.3	621.8	607.7	600.0	604.3	608.0	609.0
37.5°	659.9	660.6	651.5	642.9	638.2	647.2	633.2	633.8	648.9	655.9	655.6
40°	714.3	714.5	708.5	700.9	692.7	694.9	689.3	691.0	700.9	707.2	708.9
42.5°	779.0	778.4	768.9	758.1	755.7	757.9	748.4	747.1	758.5	769.8	770.0
45°	863.0	861.5	849.2	837.3	825.9	821.1	818.7	825.0	840.7	851.1	851.3
47.5°	953.4	949.3	942.8	933.3	923.4	918.6	914.7	917.8	929.2	933.3	933.7
50°	1046.3	1047.2	1048.5	1044.8	1041.2	1039.7	1029.5	1023.7	1027.1	1019.6	1018.5
52.5°	1156.6	1158.3	1170.8	1181.4	1187.6	1190.9	1171.7	1151.6	1140.4	1125.7	1121.4
55°	1286.7	1289.5	1307.8	1337.2	1367.4	1383.3	1348.6	1311.1	1276.3	1248.9	1240.1
57.5°	1431.7	1436.6	1461.9	1518.2	1580.1	1617.8	1559.2	1491.0	1423.9	1384.4	1377.5
60°	1601.7	1606.4	1641.4	1722.0	1822.4	1879.1	1790.2	1678.7	1595.2	1557.4	1544.7
62.5°	1804.0	1804.5	1847.4	1941.7	2074.1	2153.1	2032.7	1883.6	1797.5	1752.0	1739.7
65°	2021.7	2022.8	2067.2	2169.1	2306.0	2391.9	2256.0	2100.7	1995.4	1928.3	1918.8
67.5°	2175.5	2180.1	2226.9	2349.4	2477.6	2555.0	2414.3	2238.7	2117.1	2037.0	2029.0
70°	2150.9	2168.6	2223.6	2366.7	2544.9	2655.3	2440.0	2222.3	2061.8	1967.3	1960.6
72.5°	1875.9	1909.7	1983.1	2170.8	2455.8	2607.9	2300.0	1990.4	1808.8	1728.3	1716.2
75°	1277.4	1332.4	1443.1	1713.8	2098.1	2257.9	1936.3	1587.0	1416.1	1304.8	1296.6
77.5°	569.6	582.1	722.3	1034.0	1447.8	1621.5	1406.8	1038.1	779.3	621.5	588.3
80°	158.8	160.7	214.4	385.1	724.7	952.7	778.0	404.5	227.4	160.3	151.0
82.5°	50.5	54.8	66.9	99.9	243.6	434.7	250.0	107.9	76.8	61.3	55.2
85°	24.6	24.4	33.9	40.6	62.1	96.2	66.2	50.1	43.8	29.1	26.3
87.5°	10.4	10.6	15.7	14.2	18.1	15.5	21.4	22.4	23.5	12.9	11.2
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)