

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: P316125

Luminaire Tested: **GAN-SA1C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316125
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7103 lumens
Efficiency: N/A
Efficacy: 120.4 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

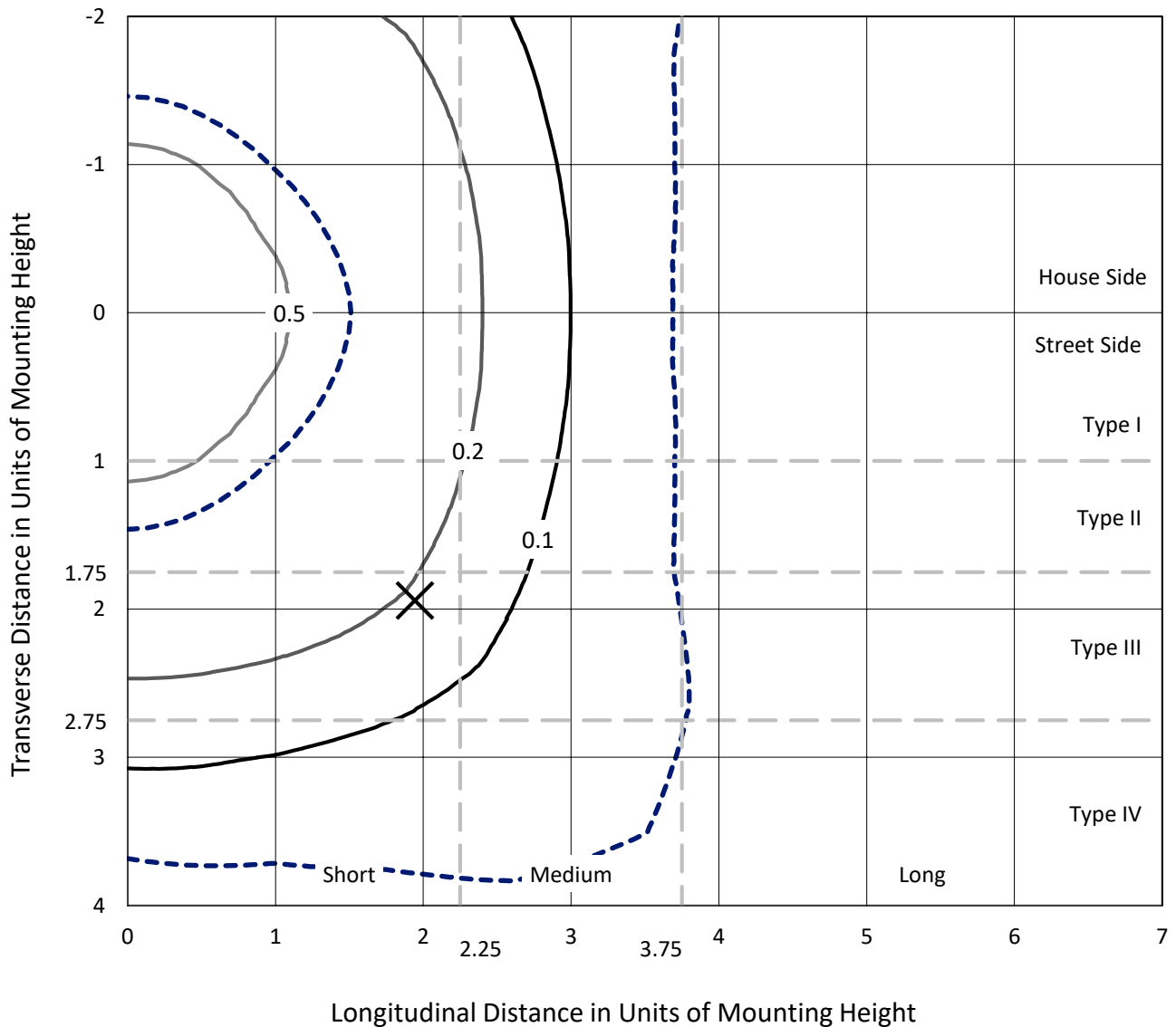
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316125
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Iso-Footcandle Lines of Horizontal Illumination

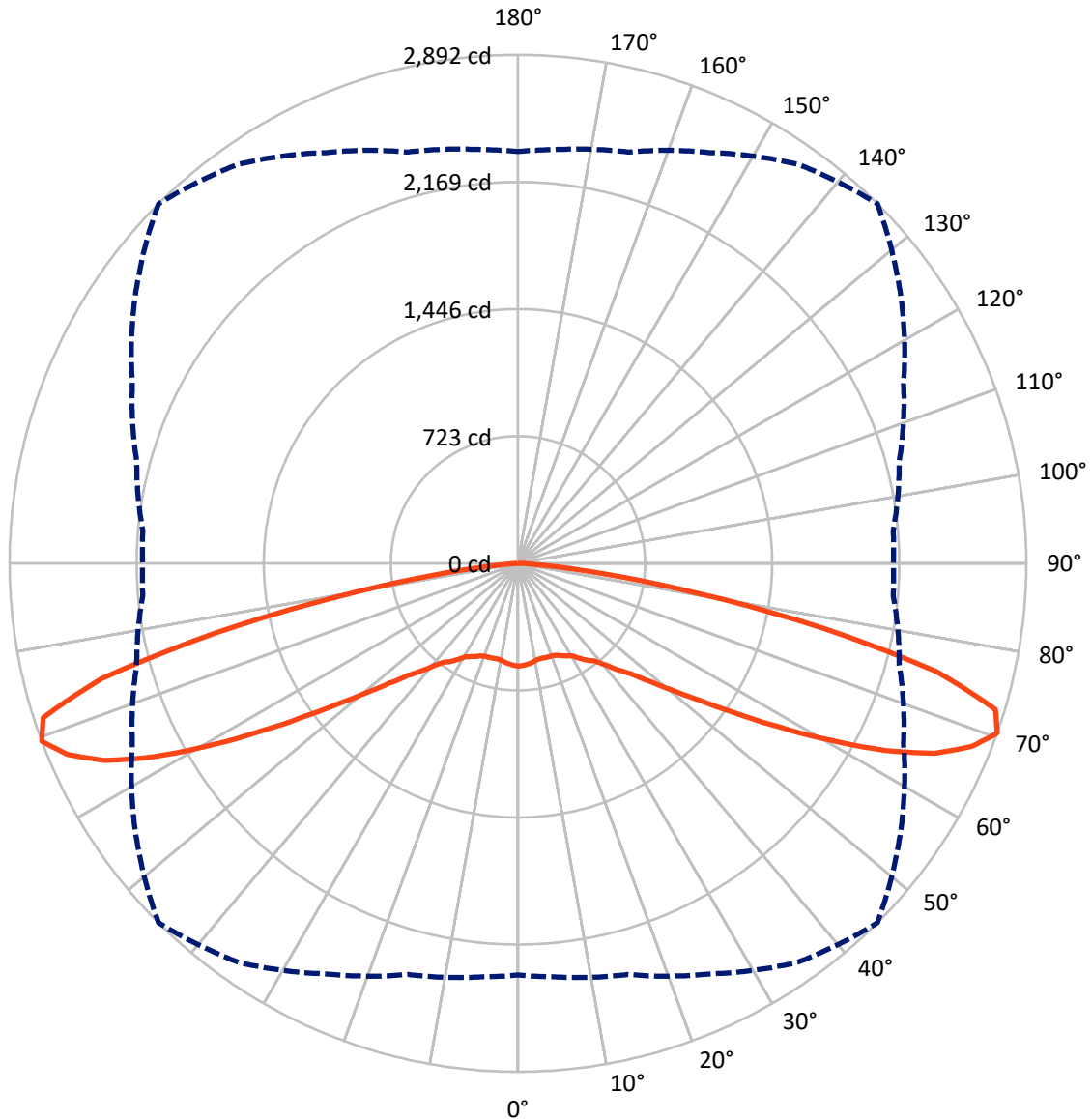
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P316125
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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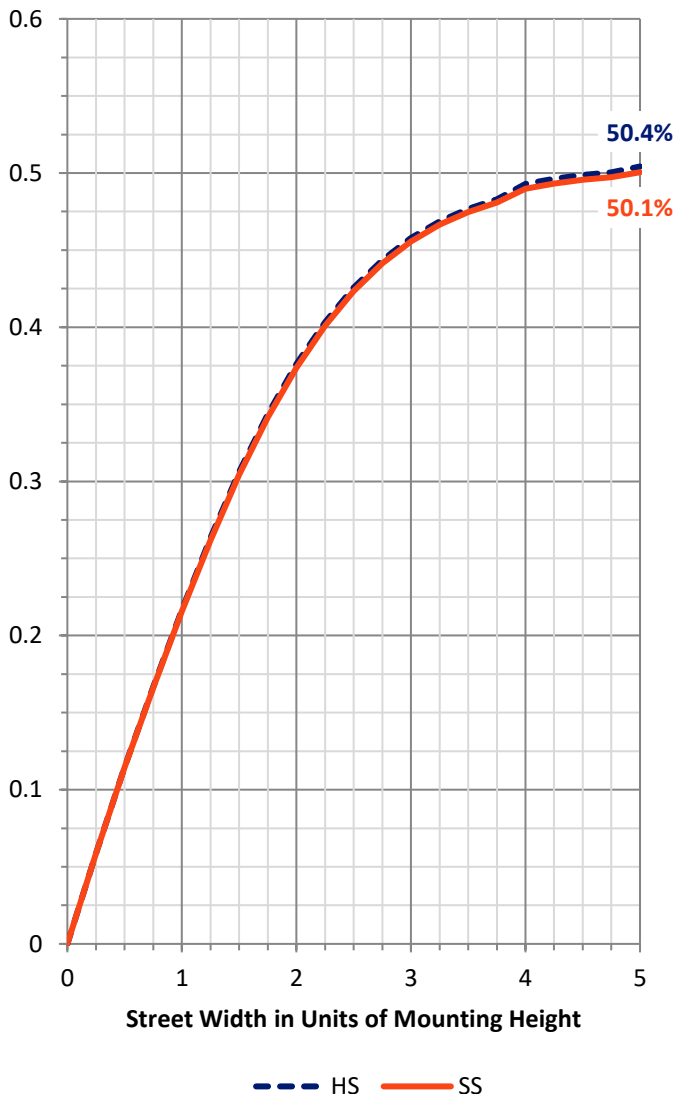
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3551.5	0.0	3551.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3551.5	0.0	3551.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7103.0	0.0	7103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	0.8
10°-20°	159.4	2.2
20°-30°	271.7	3.8
30°-40°	424.6	6.0
40°-50°	719.6	10.1
50°-60°	1312.2	18.5
60°-70°	2259.0	31.8
70°-80°	1770.7	24.9
80°-90°	131.3	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°	7103.0	100.0
0°-180°	7103.0	100.0

Coefficient of Utilization



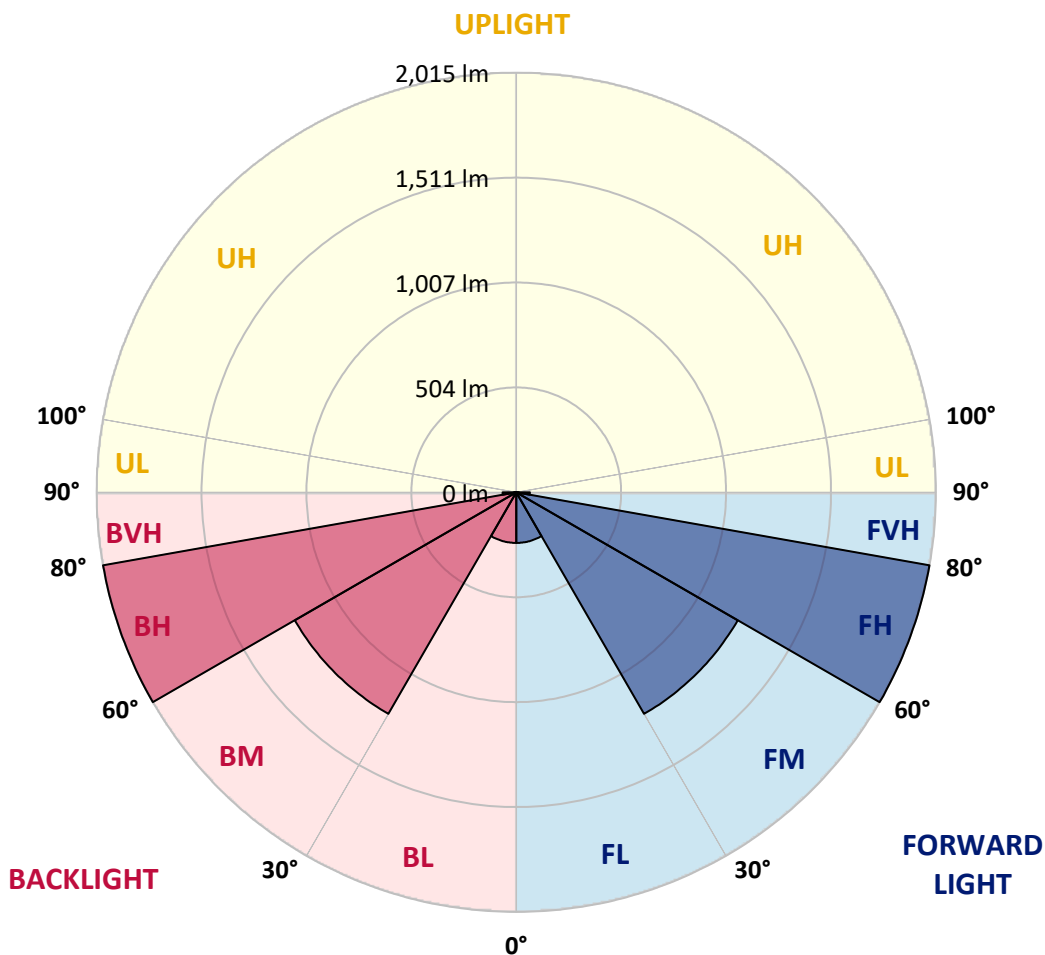
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 CATALOG NUMBER: GAN-SA1C-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.8	3.4			
FM (30°-60°)	1228.2	17.3			
FH (60°-80°)	2014.9	28.4			G2/5000
FVH (80°-90°)	65.6	0.9			G1/100
BL (0°-30°)	242.8	3.4	B1/500		
BM (30°-60°)	1228.2	17.3	B2/2500		
BH (60°-80°)	2014.9	28.4	B3/2500		G2/5000
BVH (80°-90°)	65.6	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°	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6
2.5°	582.0	582.7	582.0	582.5	581.3	581.8	581.8	581.8	581.5	581.8	581.3
5°	576.8	577.3	576.4	576.8	576.1	576.8	577.1	576.8	576.4	576.6	575.6
7.5°	569.1	569.5	568.8	569.5	568.6	569.8	569.5	568.8	568.1	568.1	567.2
10°	564.8	565.1	563.2	562.5	560.4	560.8	561.6	562.3	563.0	564.4	564.1
12.5°	565.1	565.1	562.3	559.2	556.1	556.9	558.0	560.6	563.4	566.0	566.3
15°	567.4	567.2	563.0	558.0	555.9	558.0	558.7	560.4	564.8	569.3	569.5
17.5°	569.1	569.1	562.5	556.9	556.6	559.9	559.7	560.4	565.3	571.9	572.1
20°	572.1	572.1	563.7	557.6	557.6	561.1	561.3	562.5	567.4	574.7	575.9
22.5°	578.9	579.2	570.2	565.3	565.8	567.9	568.6	570.5	574.9	582.9	584.3
25°	588.6	589.0	579.9	577.1	578.7	582.7	582.2	583.6	588.6	596.3	597.7
27.5°	602.0	600.8	592.3	591.2	592.8	595.6	595.4	595.6	599.6	606.7	608.3
30°	619.4	618.9	612.8	613.5	612.8	611.8	612.1	613.9	616.1	621.7	623.3
32.5°	636.3	636.7	633.0	636.5	641.7	645.2	639.8	634.6	632.3	635.3	636.7
35°	666.8	668.0	662.1	659.8	666.8	677.2	661.9	653.4	658.1	662.1	663.3
37.5°	718.7	719.4	709.6	700.2	695.0	704.9	689.6	690.3	706.8	714.3	714.0
40°	777.9	778.2	771.6	763.4	754.5	756.8	750.7	752.6	763.4	770.2	772.1
42.5°	848.4	847.7	837.4	825.6	823.1	825.4	815.1	813.7	826.1	838.3	838.6
45°	939.8	938.2	924.8	911.9	899.4	894.3	891.7	898.5	915.6	926.9	927.1
47.5°	1038.3	1033.8	1026.8	1016.4	1005.6	1000.5	996.2	999.5	1012.0	1016.4	1016.9
50°	1139.6	1140.5	1141.9	1137.9	1133.9	1132.3	1121.2	1114.9	1118.6	1110.4	1109.2
52.5°	1259.6	1261.5	1275.1	1286.6	1293.4	1297.0	1276.1	1254.2	1242.0	1226.0	1221.3
55°	1401.3	1404.3	1424.3	1456.3	1489.2	1506.6	1468.7	1427.8	1390.0	1360.2	1350.5
57.5°	1559.2	1564.6	1592.1	1653.4	1720.8	1762.0	1698.0	1623.8	1550.7	1507.7	1500.2
60°	1744.3	1749.5	1787.6	1875.4	1984.7	2046.5	1949.7	1828.2	1737.3	1696.2	1682.3
62.5°	1964.7	1965.2	2012.0	2114.6	2258.9	2344.9	2213.8	2051.4	1957.7	1908.1	1894.7
65°	2201.8	2203.0	2251.4	2362.3	2511.5	2605.0	2457.0	2287.8	2173.1	2100.1	2089.7
67.5°	2369.3	2374.3	2425.2	2558.7	2698.3	2782.6	2629.4	2438.2	2305.7	2218.5	2209.8
70°	2342.5	2361.8	2421.7	2577.5	2771.6	2891.9	2657.4	2420.3	2245.5	2142.6	2135.3
72.5°	2043.0	2079.9	2159.7	2364.2	2674.5	2840.2	2504.9	2167.7	1969.9	1882.3	1869.1
75°	1391.2	1451.1	1571.6	1866.5	2285.0	2459.1	2108.8	1728.4	1542.3	1421.0	1412.1
77.5°	620.3	633.9	786.6	1126.2	1576.8	1766.0	1532.2	1130.6	848.7	676.9	640.7
80°	172.9	175.0	233.5	419.4	789.2	1037.6	847.3	440.5	247.6	174.6	164.5
82.5°	55.0	59.7	72.8	108.8	265.3	473.4	272.3	117.5	83.6	66.7	60.1
85°	26.8	26.6	36.9	44.2	67.7	104.8	72.1	54.5	47.7	31.7	28.7
87.5°	11.3	11.5	17.2	15.5	19.7	16.9	23.3	24.4	25.6	14.1	12.2
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)