

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: P316745

Luminaire Tested: **GAN-SA1A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4584 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

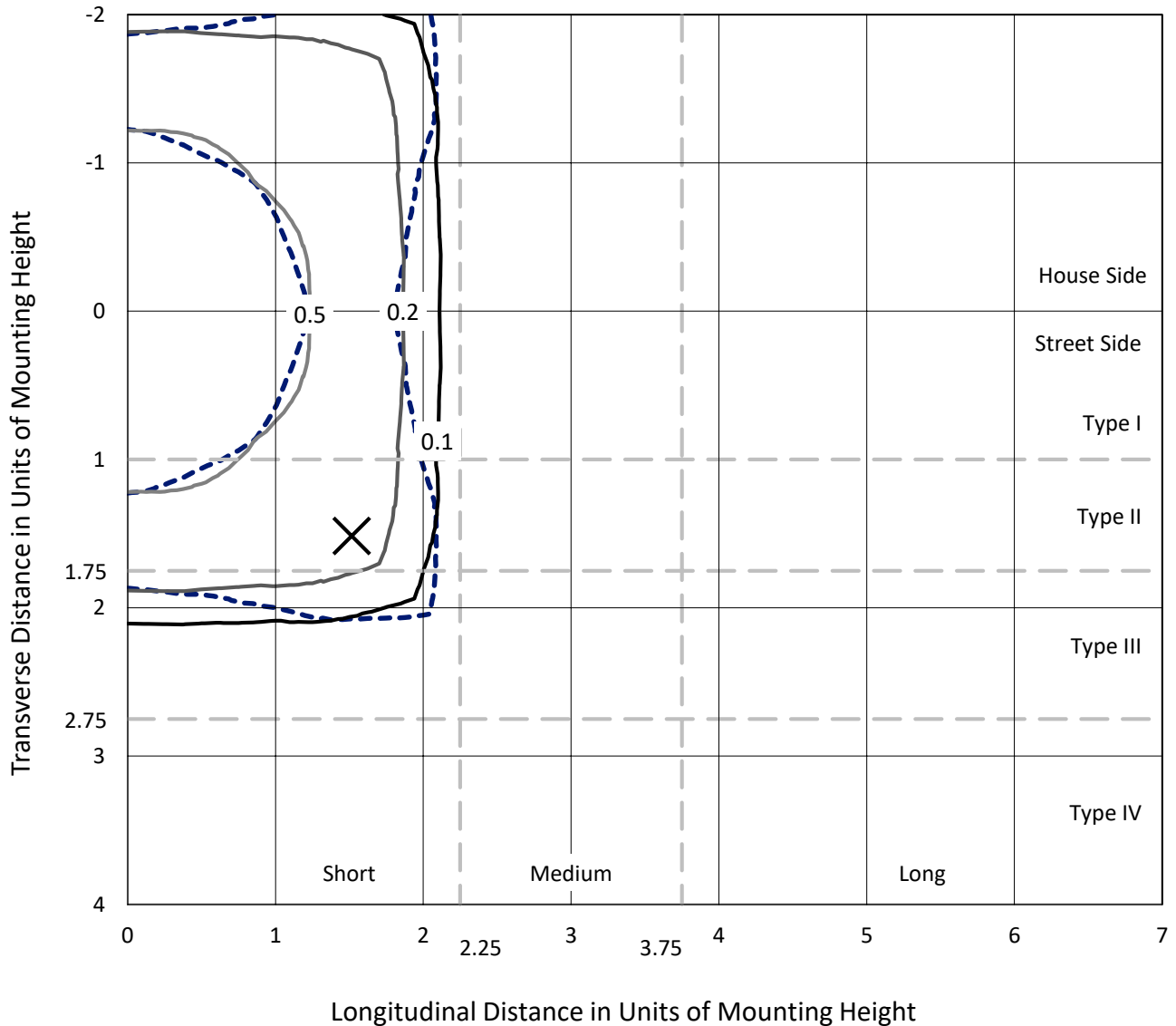
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

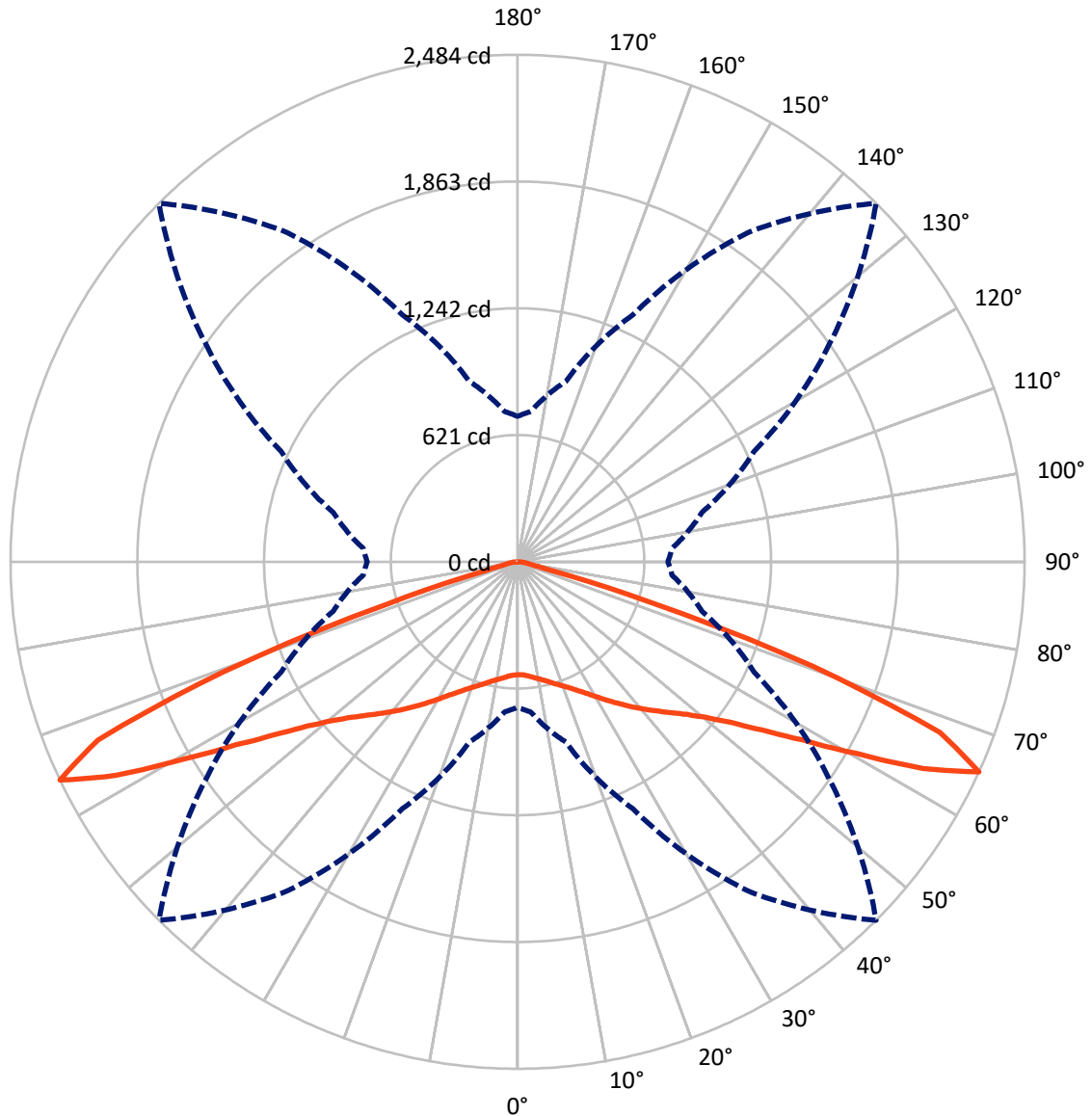
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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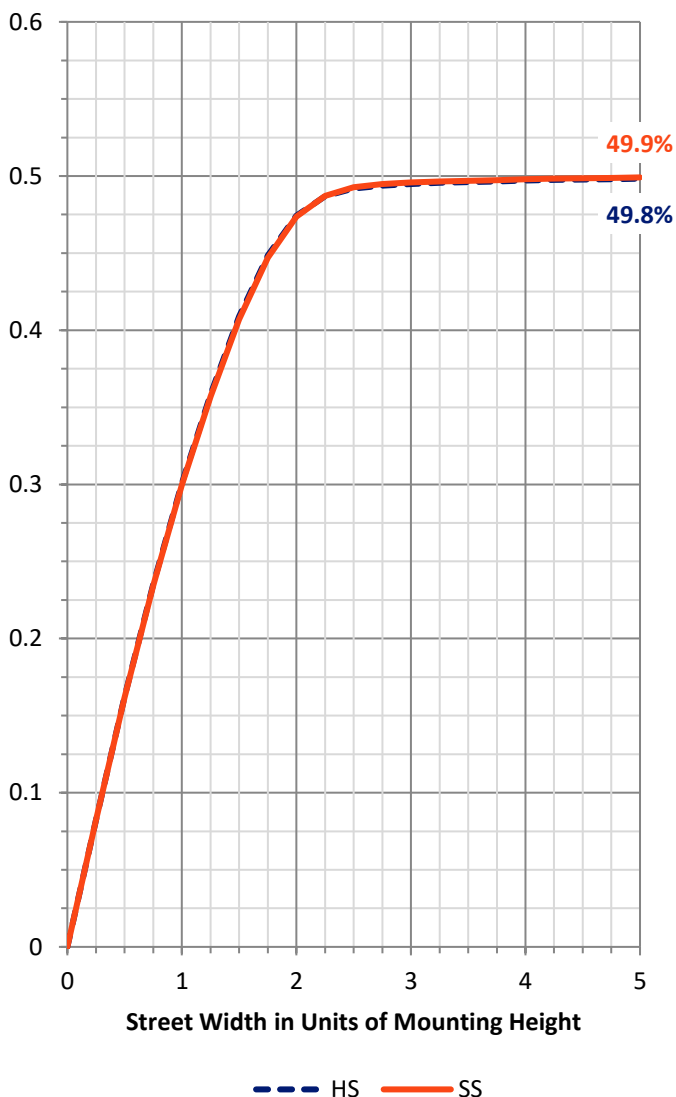
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2292.0	0.0	2292.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2292.0	0.0	2292.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4584.0	0.0	4584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.2
10°-20°	174.6	3.8
20°-30°	327.5	7.1
30°-40°	541.7	11.8
40°-50°	839.0	18.3
50°-60°	1286.8	28.1
60°-70°	1200.7	26.2
70°-80°	139.7	3.0
80°-90°	19.6	0.4
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°	4584.0	100.0
0°-180°	4584.0	100.0

Coefficient of Utilization



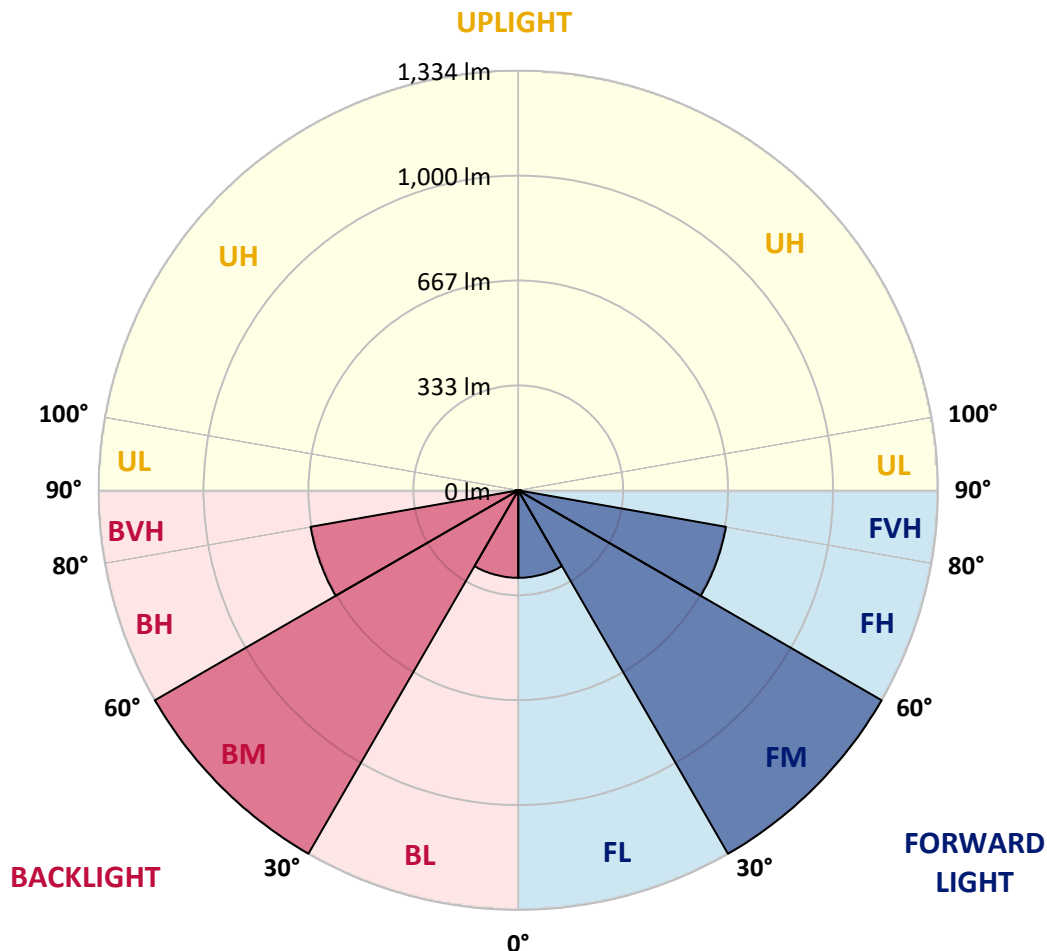
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.2	6.1			
FM (30°-60°)	1333.7	29.1			
FH (60°-80°)	670.2	14.6			G1/1800
FVH (80°-90°)	9.8	0.2			G0/10
BL (0°-30°)	278.2	6.1	B1/500		
BM (30°-60°)	1333.7	29.1	B2/2500		
BH (60°-80°)	670.2	14.6	B2/1000		G1/1800
BVH (80°-90°)	9.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6
2.5°	555.4	555.1	555.4	555.6	554.6	555.1	554.9	555.7	556.0	555.7	555.7
5°	561.8	561.3	561.9	562.7	561.5	561.8	561.3	562.2	562.6	561.9	562.4
7.5°	570.6	570.8	571.4	572.7	572.0	572.6	571.7	571.8	571.7	570.8	570.9
10°	580.2	580.4	581.4	583.2	583.6	583.6	582.9	582.5	581.9	581.3	581.4
12.5°	591.8	592.5	593.3	595.6	595.6	596.8	596.5	595.3	594.2	593.3	593.3
15°	607.4	607.3	608.2	610.5	611.6	613.5	613.5	611.9	610.5	609.6	609.3
17.5°	623.9	624.3	624.9	627.7	629.4	631.6	631.9	630.6	629.7	628.4	627.7
20°	643.0	643.8	646.2	647.3	648.8	651.0	651.7	651.4	650.5	649.9	650.0
22.5°	665.4	667.4	668.9	670.4	672.3	673.8	674.5	675.6	674.7	674.2	673.9
25°	692.5	693.9	696.9	699.7	700.9	701.3	702.2	703.8	703.6	702.5	702.5
27.5°	723.2	725.8	729.6	733.6	733.6	732.1	735.1	737.7	736.8	735.4	733.6
30°	760.5	763.0	767.4	772.8	770.1	769.0	773.2	777.9	776.5	774.2	773.9
32.5°	800.7	803.0	808.8	814.7	811.2	809.7	814.1	820.9	818.5	813.9	811.2
35°	844.2	846.5	854.7	861.9	855.9	853.3	857.0	864.4	860.2	851.7	849.5
37.5°	891.5	892.8	903.4	910.7	906.6	899.8	904.3	909.8	906.1	895.8	891.7
40°	940.7	945.1	957.4	965.9	958.8	948.0	955.6	963.2	957.7	944.5	937.5
42.5°	998.0	1001.4	1017.8	1025.4	1013.9	998.7	1009.0	1019.4	1013.9	1001.1	995.0
45°	1057.7	1062.9	1082.5	1090.1	1073.4	1054.0	1066.7	1084.8	1084.3	1065.9	1059.5
47.5°	1122.7	1127.8	1151.3	1161.3	1143.2	1117.3	1135.2	1160.7	1158.9	1138.7	1133.5
50°	1197.7	1203.2	1232.4	1245.0	1228.1	1198.0	1224.8	1247.3	1243.9	1219.0	1219.4
52.5°	1291.9	1291.6	1327.9	1349.9	1332.5	1305.9	1330.5	1352.4	1338.6	1304.1	1303.0
55°	1374.4	1379.4	1424.4	1466.0	1464.9	1454.7	1464.6	1465.5	1425.9	1380.0	1374.4
57.5°	1428.5	1438.1	1501.6	1576.7	1633.0	1646.6	1627.4	1569.3	1476.6	1403.1	1394.1
60°	1395.2	1409.8	1509.5	1662.7	1828.6	1908.1	1800.0	1619.6	1437.2	1334.8	1322.6
62.5°	1170.3	1195.0	1340.9	1621.2	1996.9	2229.5	1925.0	1538.8	1280.5	1139.4	1118.6
65°	712.7	738.8	914.7	1334.3	1969.6	2483.9	1868.0	1277.3	934.6	759.2	736.6
67.5°	237.5	245.1	348.8	737.5	1548.0	2231.8	1550.6	764.6	406.7	269.6	261.7
70°	93.0	93.7	110.6	213.8	731.0	1532.9	806.6	217.6	115.6	91.5	93.4
72.5°	68.3	68.6	73.3	89.3	190.5	675.3	197.4	89.8	71.4	64.1	64.1
75°	54.9	54.9	58.3	65.1	85.4	154.9	86.6	64.4	55.8	51.1	50.5
77.5°	43.4	44.3	46.9	51.3	57.8	74.6	60.0	51.0	45.0	40.6	39.7
80°	32.3	33.2	37.4	39.6	41.5	51.7	44.3	39.9	35.6	30.4	29.5
82.5°	21.2	22.1	27.4	28.6	28.2	33.8	29.8	29.4	26.2	19.6	18.7
85°	13.8	14.2	18.3	19.0	17.5	15.4	19.0	20.1	18.3	12.8	12.3
87.5°	6.5	6.5	9.3	8.7	7.9	6.4	8.7	10.2	10.3	6.2	6.1
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)