

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: P316425

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316425
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-SA1A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4669 lumens
Efficiency: N/A
Efficacy: 137.3 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): 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

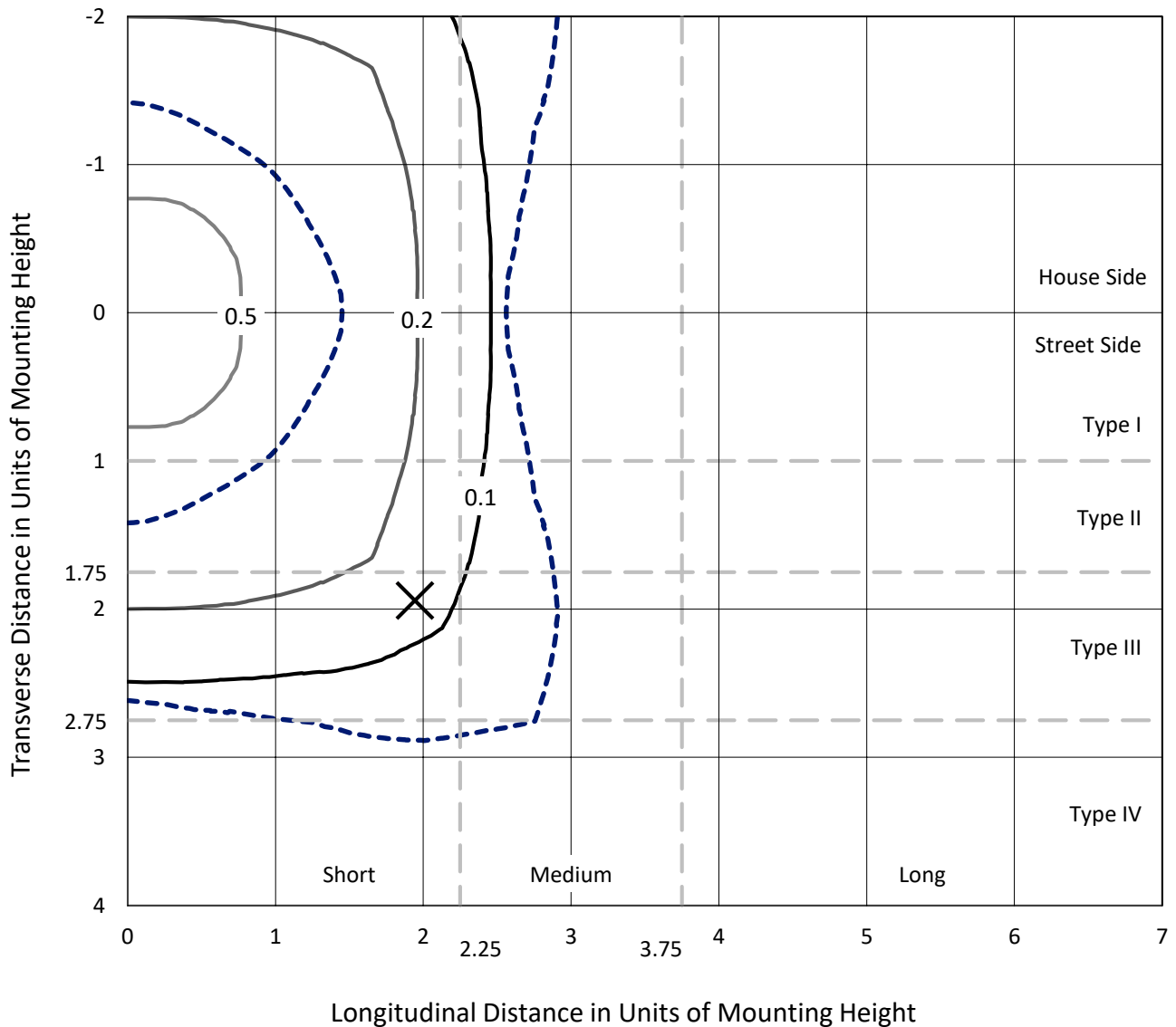




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Iso-Footcandle Lines of Horizontal Illumination

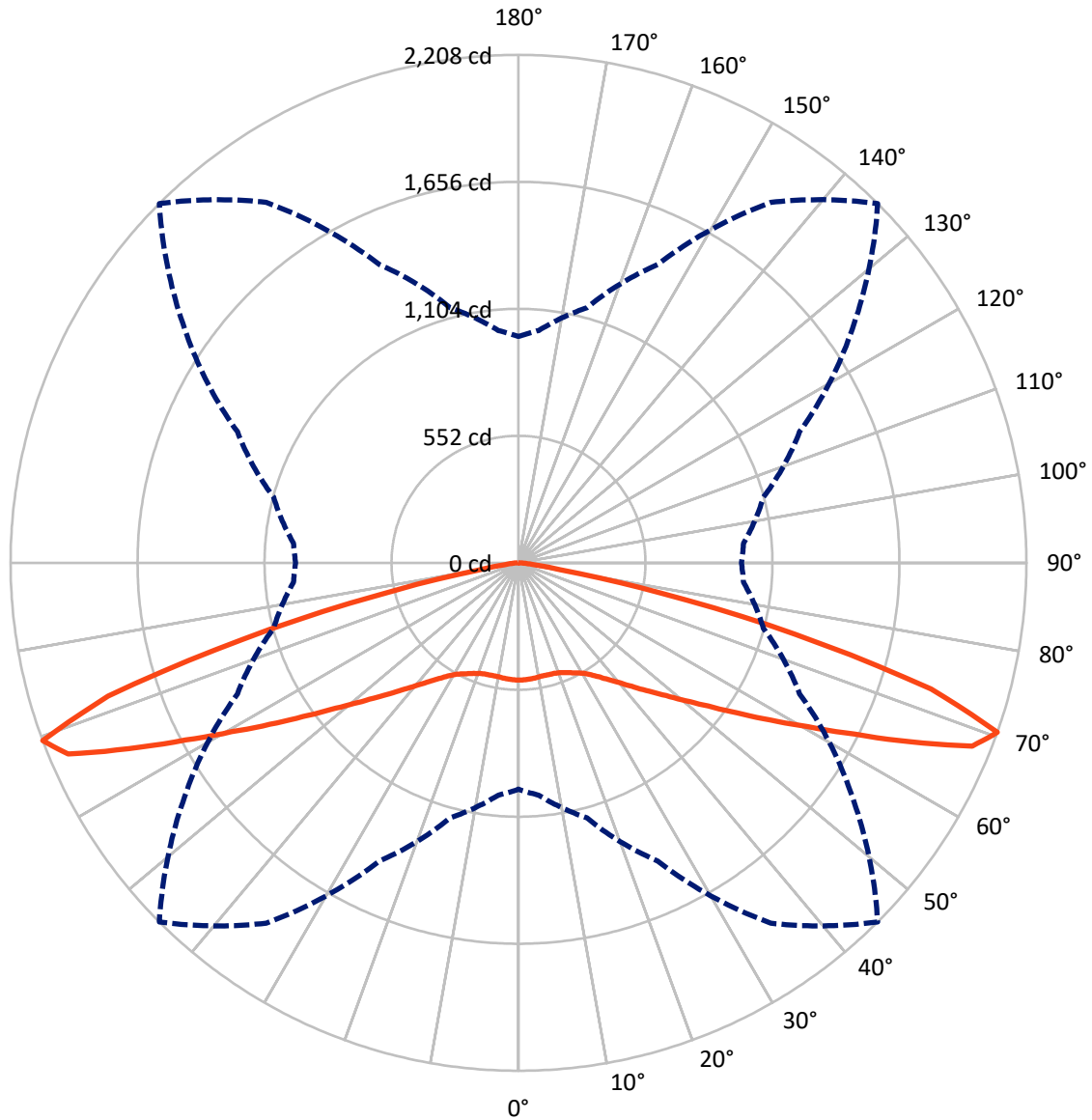
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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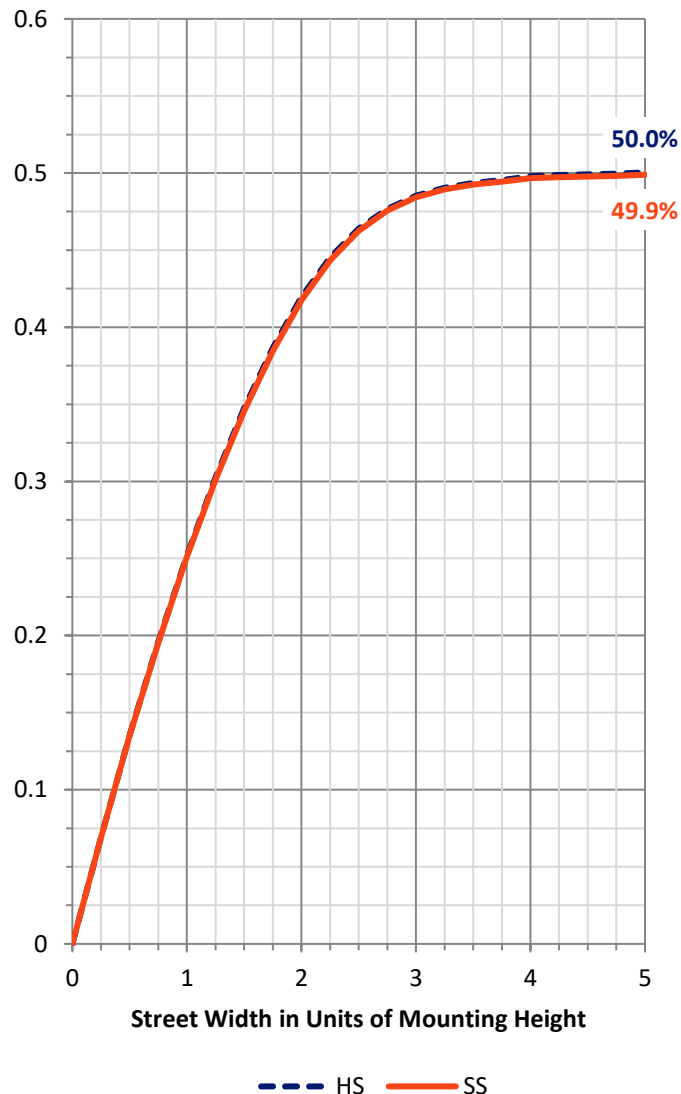
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.5	0.0	2334.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2334.5	0.0	2334.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4669.0	0.0	4669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	1.0
10°-20°	141.8	3.0
20°-30°	241.4	5.2
30°-40°	382.8	8.2
40°-50°	622.9	13.3
50°-60°	1027.1	22.0
60°-70°	1507.8	32.3
70°-80°	666.7	14.3
80°-90°	30.2	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°	4669.0	100.0
0°-180°	4669.0	100.0

Coefficient of Utilization



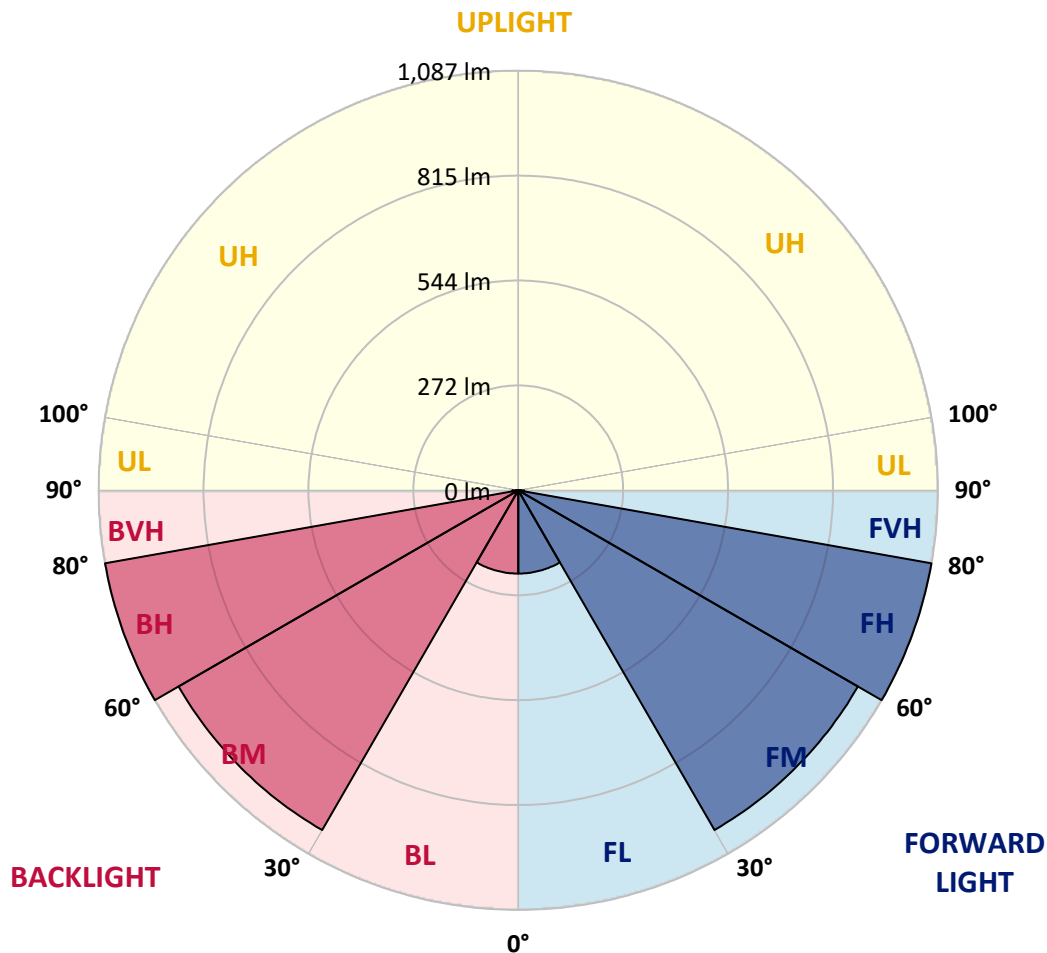
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.7	4.6			
FM (30°-60°)	1016.4	21.8			
FH (60°-80°)	1087.3	23.3			G1/1800
FVH (80°-90°)	15.1	0.3			G1/100
BL (0°-30°)	215.7	4.6	B1/500		
BM (30°-60°)	1016.4	21.8	B2/2500		
BH (60°-80°)	1087.3	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.1	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°	509.9	509.9	509.9	509.9	509.9	509.9	509.9	509.9	509.9	509.9	509.9
2.5°	509.2	508.7	509.8	509.6	508.7	508.8	508.8	509.3	509.3	509.0	509.0
5°	507.3	507.0	508.2	508.2	507.3	507.6	507.9	508.4	508.2	507.9	507.8
7.5°	505.0	504.8	506.1	506.1	505.4	505.8	505.4	505.6	505.3	505.0	504.5
10°	501.1	501.4	502.5	502.8	502.8	503.0	502.7	501.9	501.4	501.0	500.5
12.5°	497.6	497.4	499.0	499.7	501.0	502.4	501.4	499.3	498.3	497.4	497.1
15°	495.2	495.4	496.9	498.3	500.5	503.4	502.4	499.0	497.1	496.0	495.7
17.5°	494.8	495.1	497.1	499.6	501.9	505.1	504.5	501.1	498.0	496.0	495.6
20°	495.9	496.0	499.1	502.7	506.7	509.8	508.4	504.7	500.5	497.4	496.6
22.5°	497.9	498.5	502.4	507.9	514.1	518.3	516.6	510.2	503.7	499.9	498.8
25°	504.2	504.4	509.6	517.2	524.6	529.4	527.4	518.4	510.1	505.8	504.4
27.5°	517.3	517.8	523.1	531.9	538.2	541.3	540.1	532.8	525.7	521.1	521.5
30°	536.4	537.0	542.8	552.6	556.4	557.2	556.9	553.5	547.0	540.8	541.3
32.5°	559.5	559.8	567.7	576.5	579.6	580.2	579.6	576.5	568.8	560.5	560.9
35°	589.4	590.3	597.9	606.4	608.8	610.1	609.0	605.0	596.9	588.7	588.4
37.5°	626.1	626.3	634.2	643.0	646.1	646.4	645.1	642.5	632.5	625.0	624.6
40°	668.8	669.4	678.7	688.1	689.3	687.9	689.6	688.1	677.7	669.2	670.6
42.5°	720.7	722.1	733.2	742.5	738.9	738.2	739.2	739.7	731.4	721.0	720.1
45°	781.1	782.4	796.3	803.7	801.4	796.3	798.4	802.1	790.5	777.7	779.0
47.5°	850.0	853.1	868.0	874.9	869.2	862.2	866.4	872.0	858.4	842.5	841.7
50°	926.7	930.5	950.3	960.1	954.3	941.5	948.5	952.2	932.5	912.0	910.3
52.5°	1008.4	1012.3	1037.2	1057.2	1053.5	1033.6	1043.3	1039.5	1016.9	989.3	987.1
55°	1101.0	1102.5	1129.4	1161.9	1165.6	1150.9	1150.3	1143.9	1110.6	1078.6	1077.0
57.5°	1196.2	1197.2	1232.0	1270.3	1287.8	1287.8	1270.5	1257.0	1212.7	1175.6	1171.8
60°	1298.9	1302.8	1341.3	1393.3	1434.1	1446.2	1415.6	1379.0	1330.8	1285.5	1281.0
62.5°	1390.4	1394.9	1453.8	1531.3	1596.8	1640.7	1565.9	1506.3	1418.5	1345.9	1337.4
65°	1402.0	1414.0	1499.8	1640.3	1786.9	1874.5	1731.1	1584.2	1424.2	1323.3	1314.7
67.5°	1280.4	1300.8	1416.7	1635.3	1938.3	2126.4	1836.7	1539.7	1321.6	1210.1	1200.5
70°	983.9	1013.5	1147.2	1430.4	1912.2	2207.5	1770.5	1347.9	1101.9	981.8	968.4
72.5°	539.8	552.0	672.2	979.5	1533.0	1875.9	1476.8	996.7	730.7	594.6	572.0
75°	171.2	175.5	236.7	400.8	867.2	1242.5	938.1	489.2	269.3	198.6	196.2
77.5°	76.0	76.5	85.6	117.0	298.7	629.5	358.8	133.2	91.8	80.2	82.8
80°	48.1	48.1	53.0	57.9	81.3	182.8	97.0	63.4	54.1	50.2	51.3
82.5°	23.0	25.5	34.5	37.1	44.7	61.5	49.8	41.4	36.2	26.9	25.0
85°	15.1	12.7	21.8	24.6	26.0	29.5	28.9	27.4	23.6	13.4	15.0
87.5°	6.8	6.5	11.3	10.4	9.7	7.4	11.1	13.8	13.3	6.6	6.6
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)