

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: P316515

Luminaire Tested: **GAN-SA1B-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316515
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-SA1B-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6286 lumens
Efficiency: N/A
Efficacy: 142.9 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

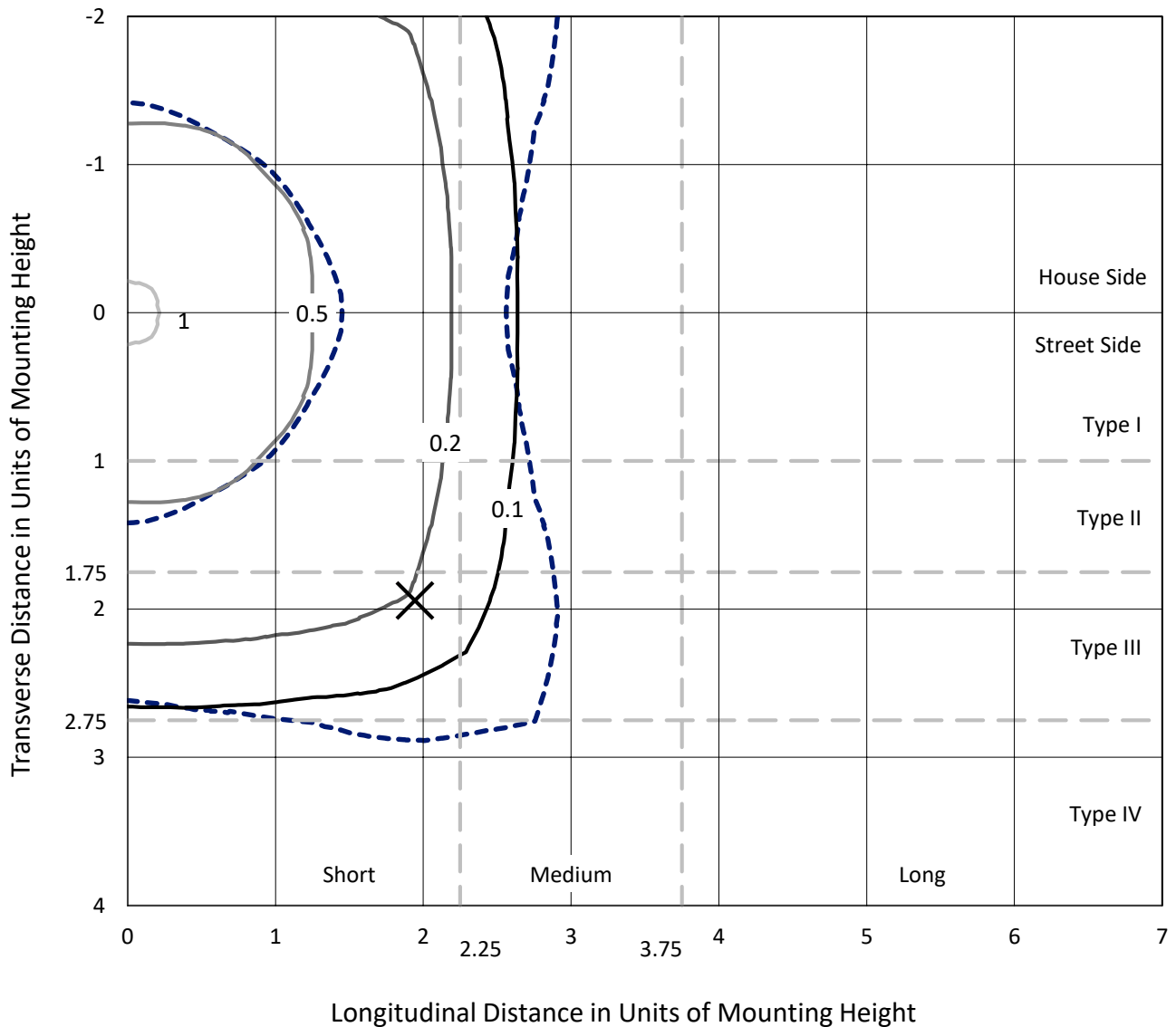
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316515
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Iso-Footcandle Lines of Horizontal Illumination

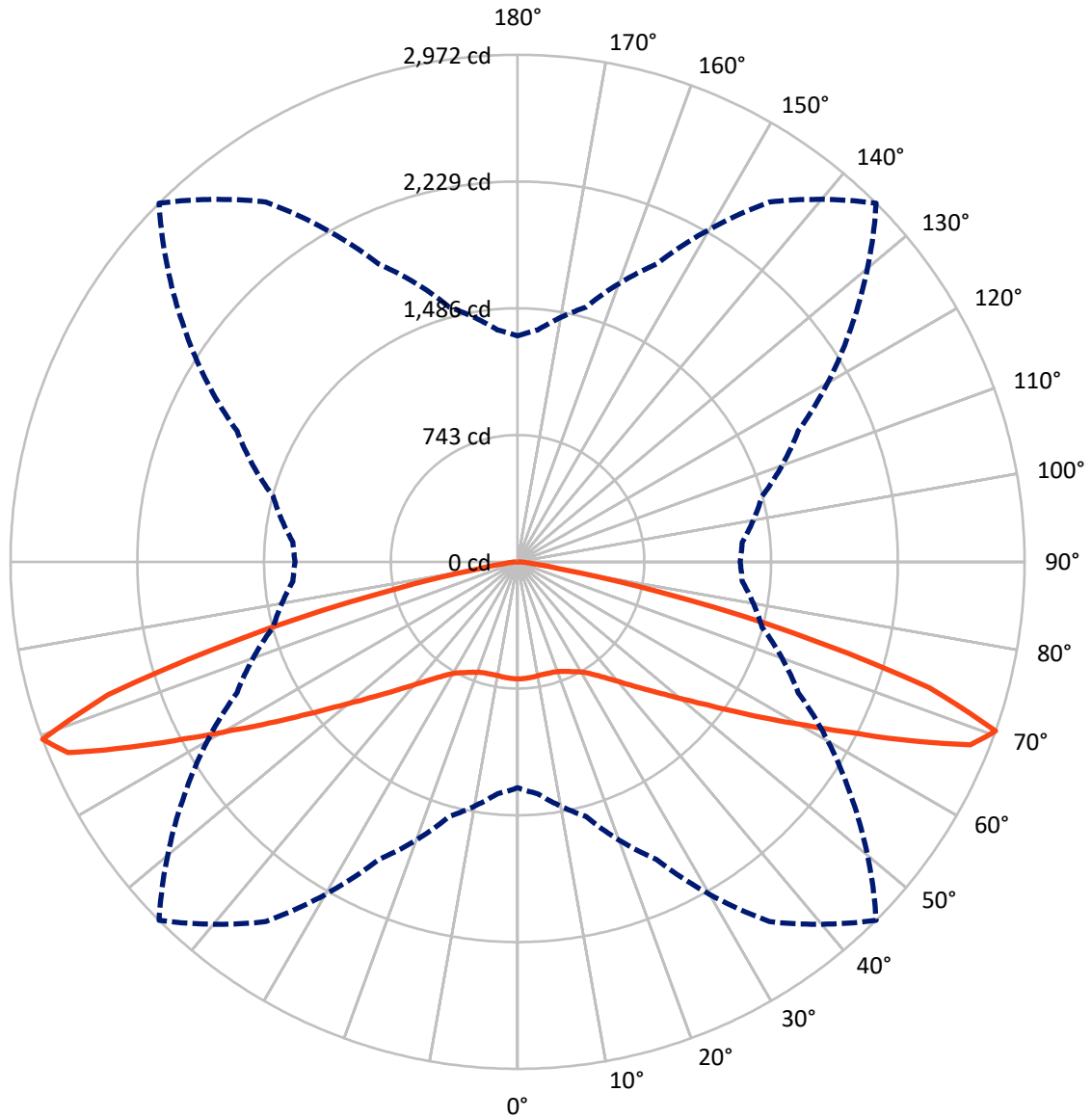
✕ Max cd
 - - - 1/2 Max cd



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



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

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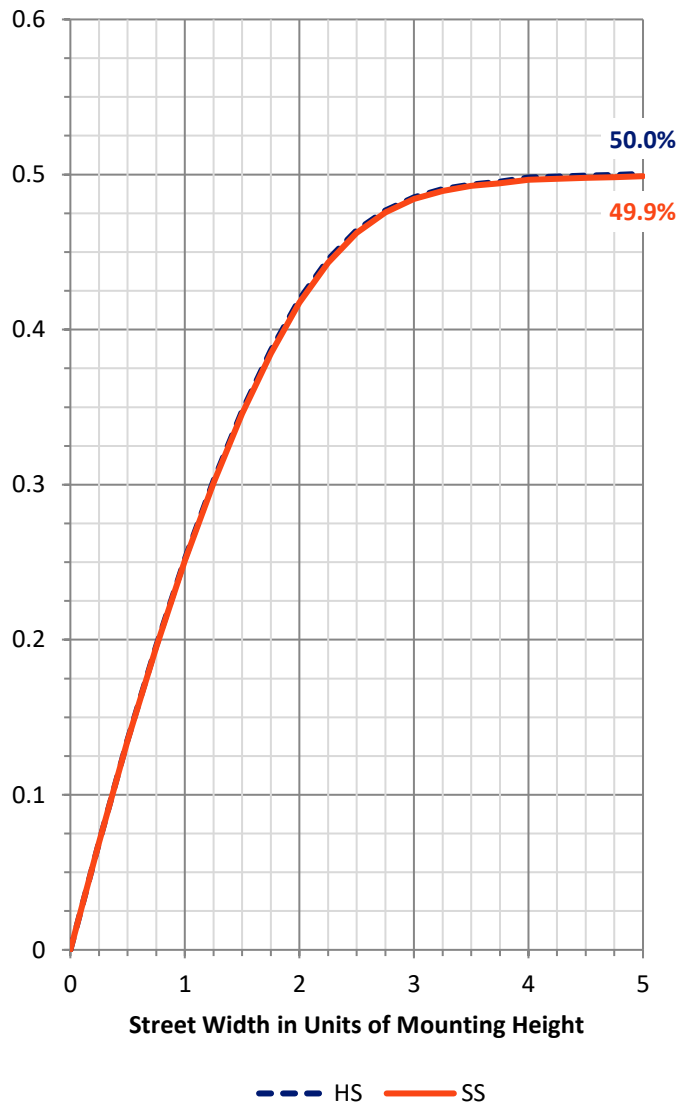
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3143.0	0.0	3143.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3143.0	0.0	3143.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6286.0	0.0	6286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.0
10°-20°	190.9	3.0
20°-30°	324.9	5.2
30°-40°	515.4	8.2
40°-50°	838.7	13.3
50°-60°	1382.8	22.0
60°-70°	2030.0	32.3
70°-80°	897.7	14.3
80°-90°	40.6	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°	6286.0	100.0
0°-180°	6286.0	100.0

Coefficient of Utilization



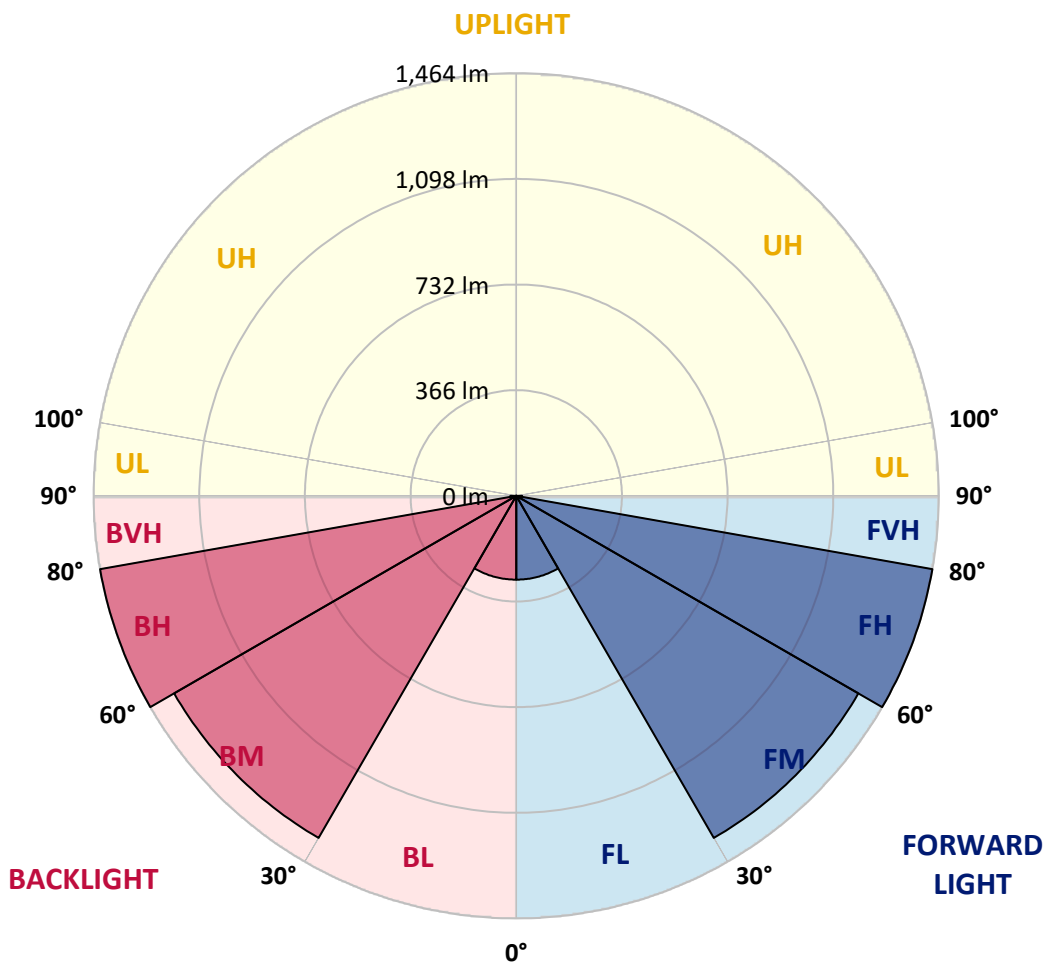
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 CATALOG NUMBER: GAN-SA1B-750-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.4	4.6			
FM (30°-60°)	1368.4	21.8			
FH (60°-80°)	1463.8	23.3			G1/1800
FVH (80°-90°)	20.3	0.3			G1/100
BL (0°-30°)	290.4	4.6	B1/500		
BM (30°-60°)	1368.4	21.8	B2/2500		
BH (60°-80°)	1463.8	23.3	B3/2500		G1/1800
BVH (80°-90°)	20.3	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°	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5	686.5
2.5°	685.5	684.9	686.3	686.1	684.9	685.1	685.1	685.7	685.7	685.3	685.3
5°	683.0	682.6	684.2	684.2	683.0	683.4	683.8	684.4	684.2	683.8	683.6
7.5°	679.9	679.7	681.3	681.3	680.5	680.9	680.5	680.7	680.3	679.9	679.2
10°	674.7	675.1	676.5	677.0	677.0	677.2	676.8	675.7	675.1	674.5	673.8
12.5°	669.9	669.7	671.8	672.8	674.5	676.3	675.1	672.2	670.9	669.7	669.3
15°	666.8	667.0	669.1	670.9	673.8	677.8	676.3	671.8	669.3	667.8	667.4
17.5°	666.1	666.6	669.3	672.6	675.7	680.1	679.2	674.7	670.5	667.8	667.2
20°	667.6	667.8	672.0	676.8	682.2	686.3	684.4	679.5	673.8	669.7	668.6
22.5°	670.3	671.1	676.3	683.8	692.1	697.8	695.5	686.9	678.2	673.0	671.6
25°	678.8	679.0	686.1	696.3	706.3	712.7	710.0	698.0	686.7	680.9	679.0
27.5°	696.5	697.1	704.2	716.1	724.6	728.8	727.1	717.3	707.7	701.5	702.1
30°	722.1	722.9	730.8	743.9	749.1	750.2	749.8	745.2	736.5	728.1	728.8
32.5°	753.3	753.7	764.3	776.2	780.4	781.2	780.4	776.2	765.8	754.6	755.2
35°	793.5	794.7	804.9	816.3	819.7	821.3	819.9	814.5	803.7	792.6	792.2
37.5°	843.0	843.2	853.8	865.7	869.8	870.2	868.6	865.0	851.5	841.5	840.9
40°	900.4	901.2	913.7	926.4	928.1	926.2	928.5	926.4	912.5	901.0	902.9
42.5°	970.3	972.2	987.1	999.6	994.8	993.8	995.3	995.9	984.6	970.7	969.5
45°	1051.6	1053.3	1072.0	1082.0	1078.9	1072.0	1074.9	1079.9	1064.3	1047.1	1048.7
47.5°	1144.4	1148.6	1168.6	1177.9	1170.2	1160.9	1166.5	1174.0	1155.7	1134.2	1133.2
50°	1247.6	1252.8	1279.4	1292.5	1284.8	1267.6	1276.9	1281.9	1255.5	1227.8	1225.6
52.5°	1357.7	1362.9	1396.4	1423.4	1418.4	1391.6	1404.7	1399.5	1369.1	1331.9	1329.0
55°	1482.3	1484.4	1520.6	1564.2	1569.2	1549.5	1548.6	1540.1	1495.2	1452.1	1450.0
57.5°	1610.4	1611.9	1658.7	1710.3	1733.8	1733.8	1710.5	1692.4	1632.7	1582.8	1577.6
60°	1748.8	1754.0	1805.8	1875.9	1930.8	1947.0	1905.8	1856.5	1791.6	1730.7	1724.6
62.5°	1871.9	1878.0	1957.2	2061.7	2149.9	2209.0	2108.3	2028.0	1909.8	1812.0	1800.6
65°	1887.5	1903.8	2019.2	2208.3	2405.8	2523.7	2330.7	2132.8	1917.5	1781.6	1770.0
67.5°	1723.8	1751.3	1907.3	2201.7	2609.6	2862.8	2472.8	2072.9	1779.4	1629.2	1616.3
70°	1324.6	1364.5	1544.5	1925.8	2574.5	2972.0	2383.7	1814.7	1483.5	1321.9	1303.8
72.5°	726.7	743.1	905.0	1318.8	2064.0	2525.6	1988.2	1341.9	983.8	800.5	770.2
75°	230.5	236.3	318.7	539.7	1167.5	1672.8	1263.0	658.7	362.6	267.3	264.2
77.5°	102.4	103.0	115.3	157.5	402.1	847.6	483.1	179.3	123.6	108.0	111.5
80°	64.7	64.7	71.4	78.0	109.4	246.1	130.6	85.3	72.8	67.6	69.1
82.5°	31.0	34.3	46.4	49.9	60.1	82.8	67.0	55.8	48.7	36.2	33.7
85°	20.4	17.1	29.3	33.1	35.0	39.7	38.9	36.8	31.8	18.1	20.2
87.5°	9.2	8.7	15.2	13.9	13.1	10.0	15.0	18.5	17.9	8.9	8.9
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)