

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: P316475

Luminaire Tested: **GAN-SA1B-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316475  
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-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6285 lumens  
Efficiency: N/A  
Efficacy: 142.8 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

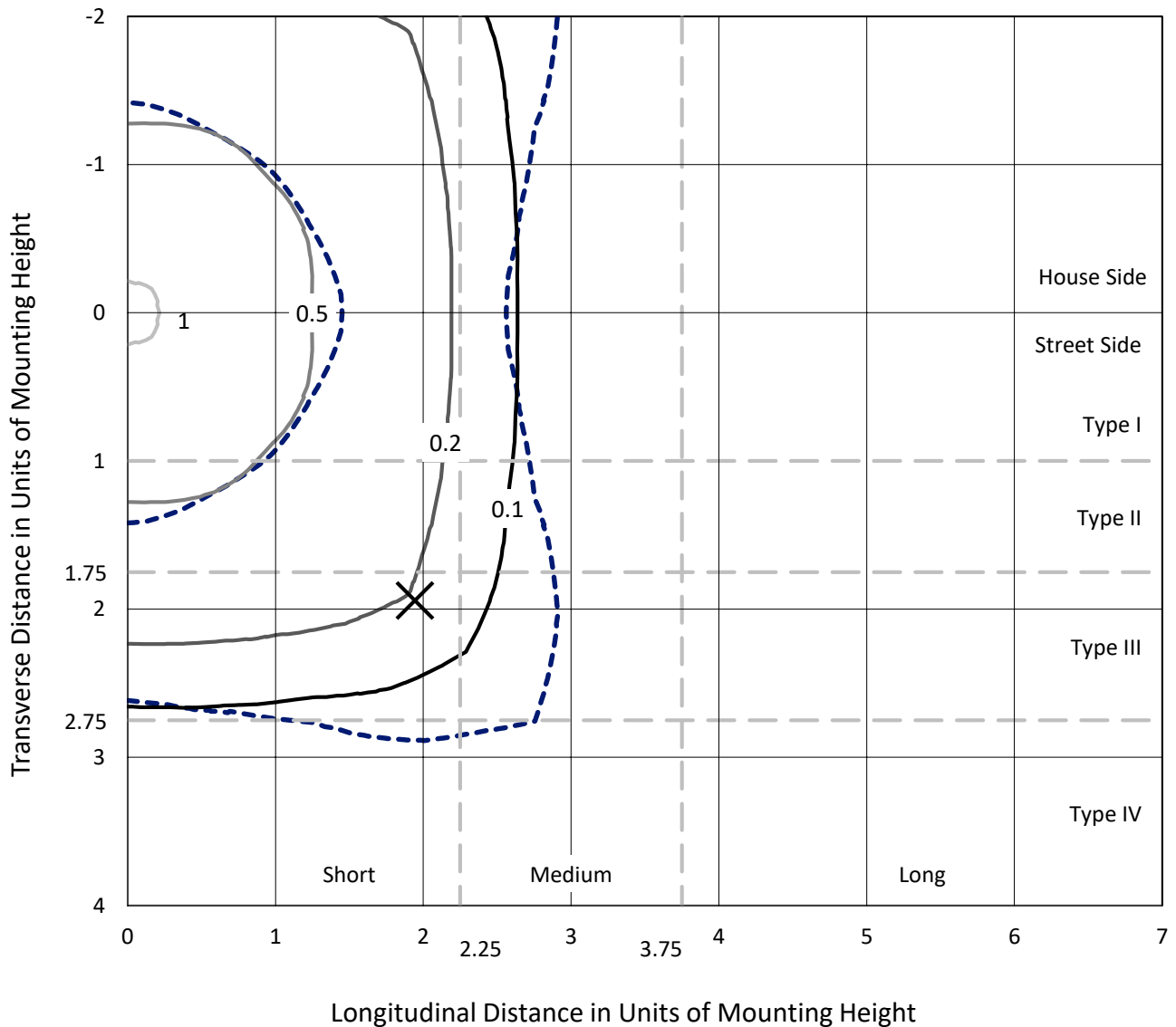
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

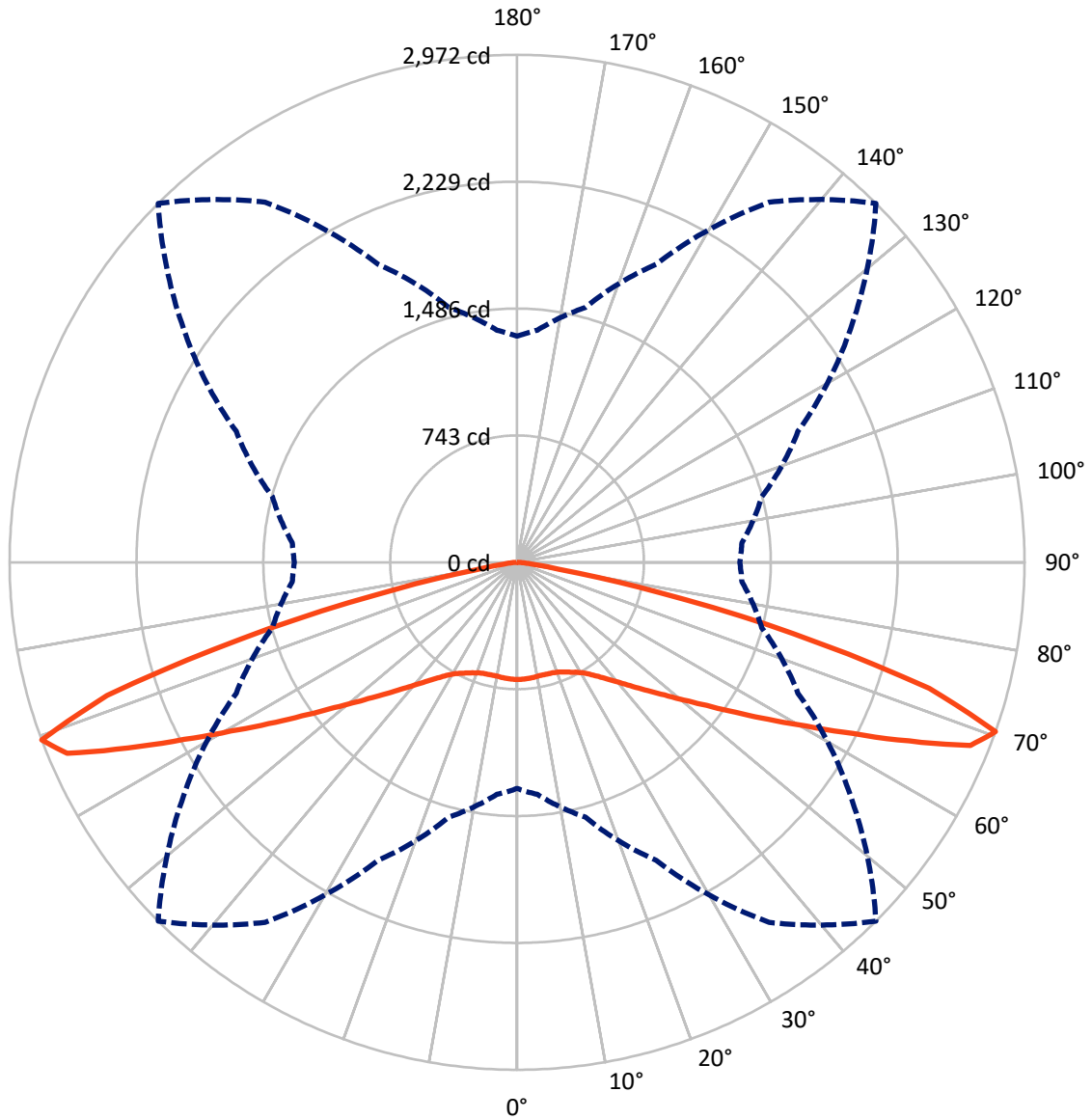
✕ Max cd  
 - - - 1/2 Max cd



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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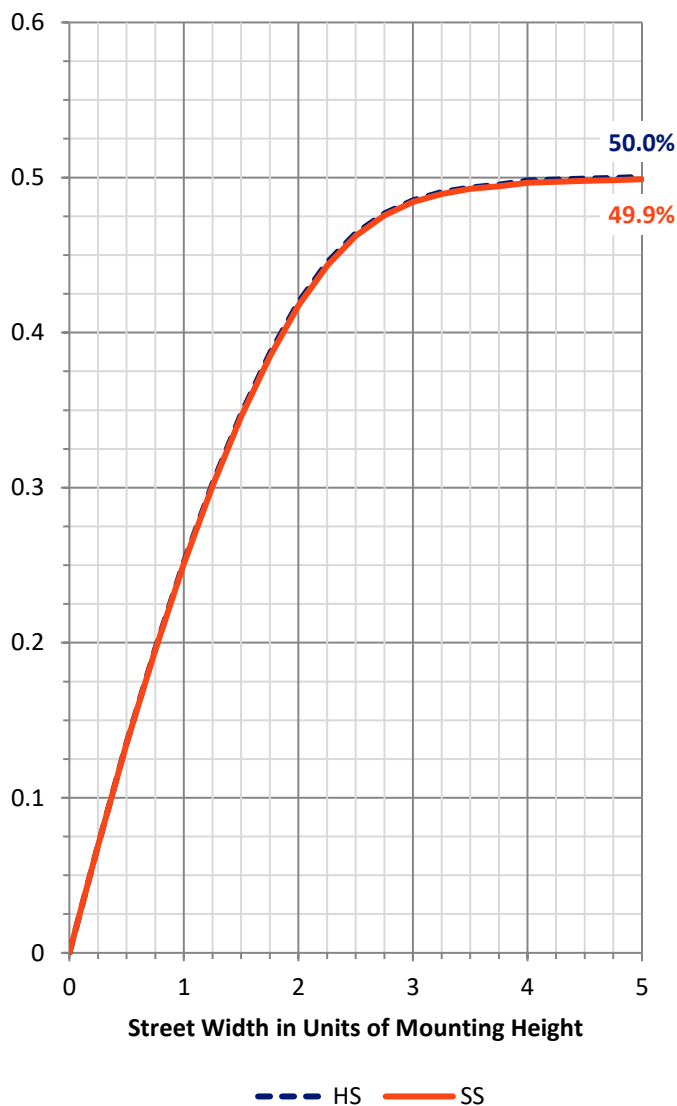
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3142.5	0.0	3142.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3142.5	0.0	3142.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6285.0	0.0	6285.0
	% 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°	515.3	8.2
40°-50°	838.5	13.3
50°-60°	1382.6	22.0
60°-70°	2029.7	32.3
70°-80°	897.5	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°	6285.0	100.0
0°-180°	6285.0	100.0

**Coefficient of Utilization**



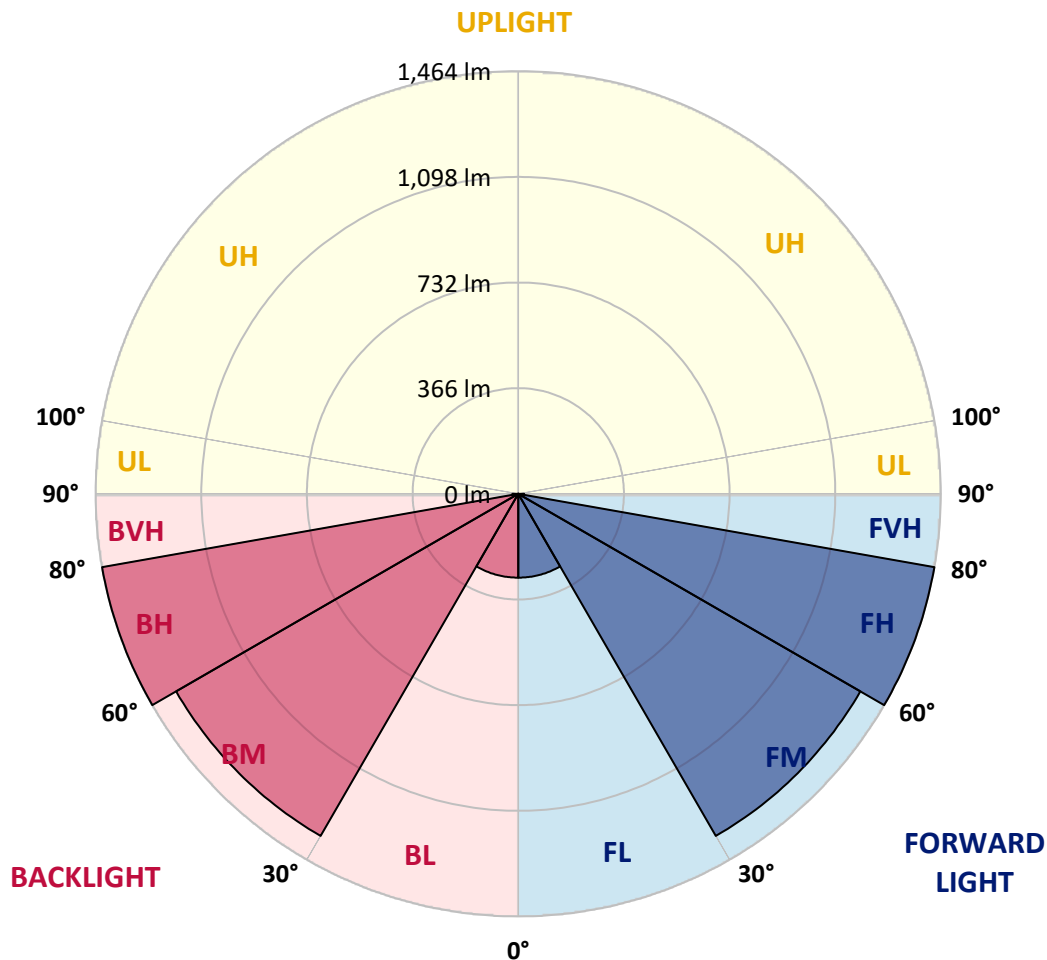
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.4	4.6			
FM (30°-60°)	1368.2	21.8			
FH (60°-80°)	1463.6	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°)	1368.2	21.8	B2/2500		
BH (60°-80°)	1463.6	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°	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4
2.5°	685.4	684.8	686.2	686.0	684.8	685.0	685.0	685.6	685.6	685.2	685.2
5°	682.9	682.5	684.1	684.1	682.9	683.3	683.7	684.3	684.1	683.7	683.5
7.5°	679.8	679.6	681.2	681.2	680.4	680.8	680.4	680.6	680.2	679.8	679.1
10°	674.6	675.0	676.4	676.9	676.9	677.1	676.6	675.6	675.0	674.4	673.7
12.5°	669.8	669.6	671.7	672.7	674.4	676.2	675.0	672.1	670.8	669.6	669.2
15°	666.7	666.9	668.9	670.8	673.7	677.7	676.2	671.7	669.2	667.7	667.3
17.5°	666.0	666.5	669.2	672.5	675.6	680.0	679.1	674.6	670.4	667.7	667.1
20°	667.5	667.7	671.9	676.6	682.1	686.2	684.3	679.3	673.7	669.6	668.5
22.5°	670.2	671.0	676.2	683.7	692.0	697.7	695.4	686.8	678.1	672.9	671.4
25°	678.7	678.9	686.0	696.2	706.2	712.6	709.9	697.9	686.6	680.8	678.9
27.5°	696.4	697.0	704.1	716.0	724.5	728.6	727.0	717.2	707.6	701.4	702.0
30°	722.0	722.8	730.7	743.8	749.0	750.1	749.7	745.1	736.3	728.0	728.6
32.5°	753.2	753.6	764.2	776.1	780.2	781.1	780.2	776.1	765.7	754.4	755.1
35°	793.3	794.6	804.8	816.2	819.5	821.2	819.8	814.3	803.5	792.5	792.1
37.5°	842.8	843.0	853.7	865.5	869.7	870.1	868.4	864.9	851.4	841.4	840.8
40°	900.2	901.1	913.6	926.3	927.9	926.0	928.3	926.3	912.3	900.9	902.7
42.5°	970.1	972.0	987.0	999.5	994.7	993.6	995.1	995.7	984.5	970.6	969.3
45°	1051.5	1053.1	1071.9	1081.8	1078.7	1071.9	1074.8	1079.8	1064.2	1046.9	1048.6
47.5°	1144.2	1148.4	1168.4	1177.7	1170.0	1160.7	1166.3	1173.8	1155.5	1134.0	1133.0
50°	1247.4	1252.6	1279.2	1292.3	1284.6	1267.4	1276.7	1281.7	1255.3	1227.7	1225.4
52.5°	1357.4	1362.6	1396.1	1423.2	1418.2	1391.4	1404.5	1399.3	1368.9	1331.7	1328.7
55°	1482.0	1484.1	1520.3	1564.0	1569.0	1549.2	1548.4	1539.9	1494.9	1451.9	1449.8
57.5°	1610.2	1611.6	1658.4	1710.0	1733.5	1733.5	1710.2	1692.1	1632.4	1582.5	1577.3
60°	1748.5	1753.7	1805.5	1875.6	1930.5	1946.7	1905.5	1856.2	1791.3	1730.4	1724.4
62.5°	1871.6	1877.7	1956.9	2061.3	2149.5	2208.6	2107.9	2027.6	1909.5	1811.7	1800.3
65°	1887.2	1903.5	2018.9	2208.0	2405.4	2523.3	2330.3	2132.5	1917.2	1781.4	1769.7
67.5°	1723.5	1751.0	1907.0	2201.3	2609.2	2862.4	2472.4	2072.6	1779.1	1628.9	1616.0
70°	1324.4	1364.3	1544.2	1925.5	2574.1	2971.6	2383.3	1814.4	1483.3	1321.7	1303.6
72.5°	726.6	743.0	904.8	1318.6	2063.6	2525.2	1987.9	1341.6	983.7	800.4	770.0
75°	230.5	236.3	318.7	539.6	1167.3	1672.6	1262.8	658.5	362.6	267.3	264.2
77.5°	102.3	103.0	115.2	157.5	402.1	847.4	483.0	179.3	123.6	108.0	111.5
80°	64.7	64.7	71.3	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	55.7	48.7	36.2	33.7
85°	20.4	17.1	29.3	33.1	34.9	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)