

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: P317143

Luminaire Tested: **GAN-SA9D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9D-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70907 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

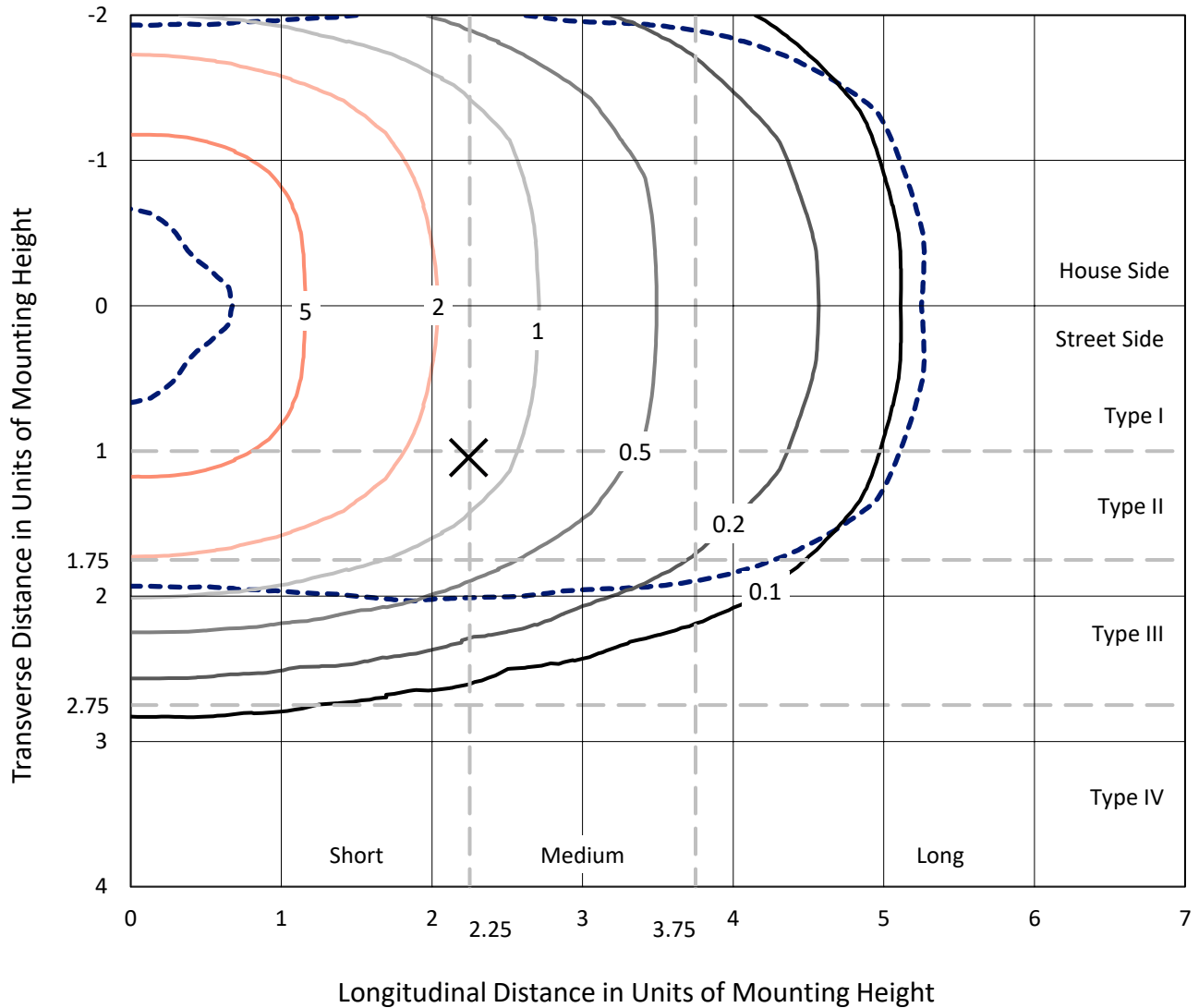
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

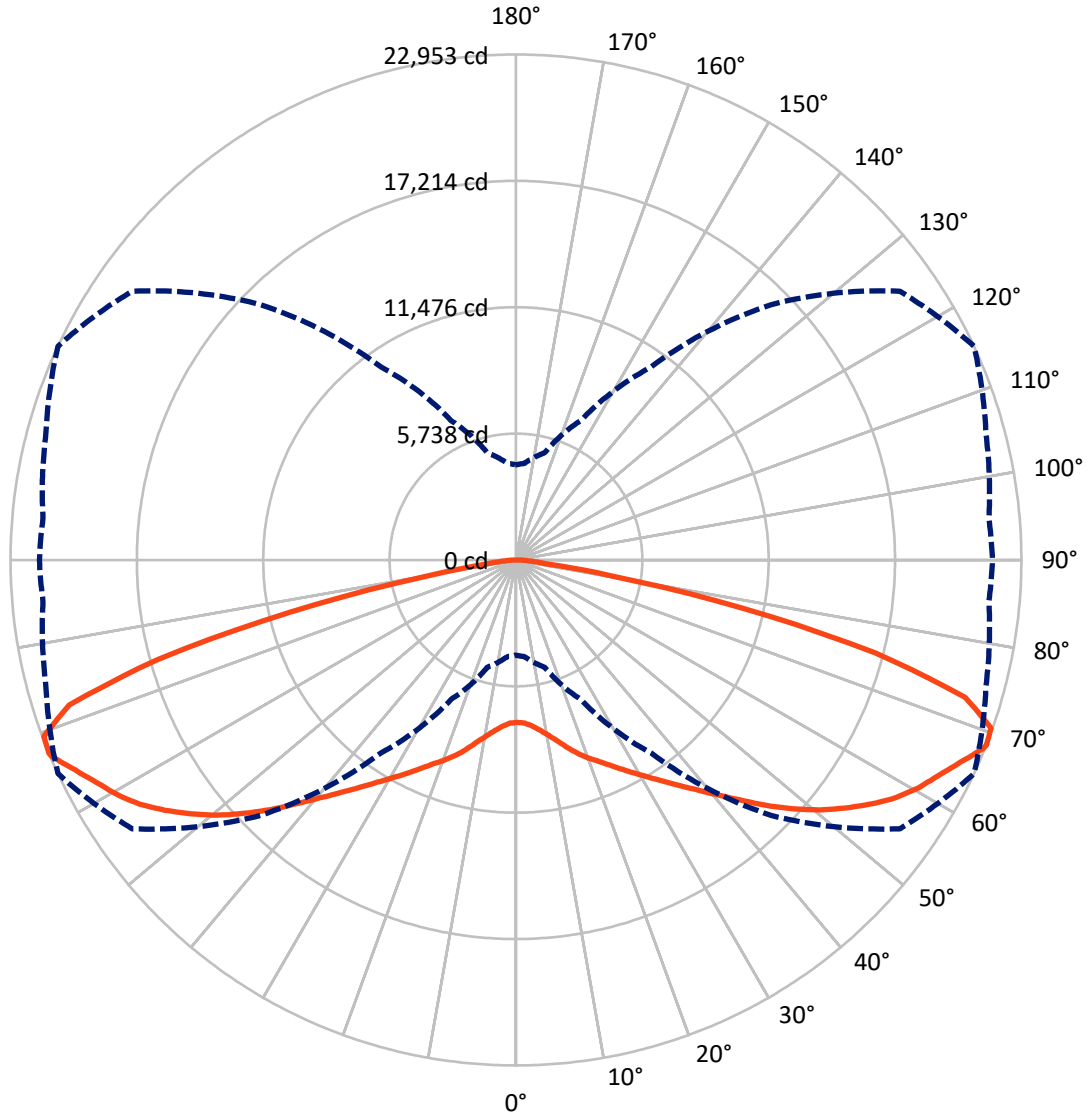
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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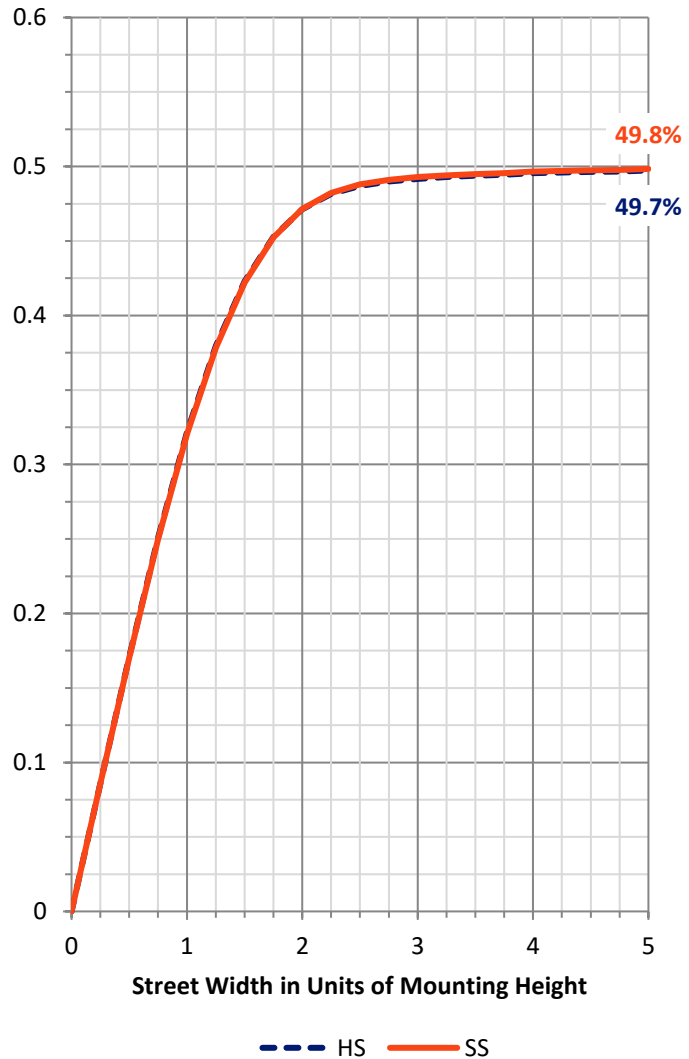
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35453.5	0.0	35453.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35453.5	0.0	35453.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70907.0	0.0	70907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.8	1.0
10°-20°	2417.0	3.4
20°-30°	4712.5	6.6
30°-40°	7916.7	11.2
40°-50°	12473.9	17.6
50°-60°	16681.8	23.5
60°-70°	16216.8	22.9
70°-80°	8864.9	12.5
80°-90°	901.6	1.3
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°	70907.0	100.0
0°-180°	70907.0	100.0

Coefficient of Utilization



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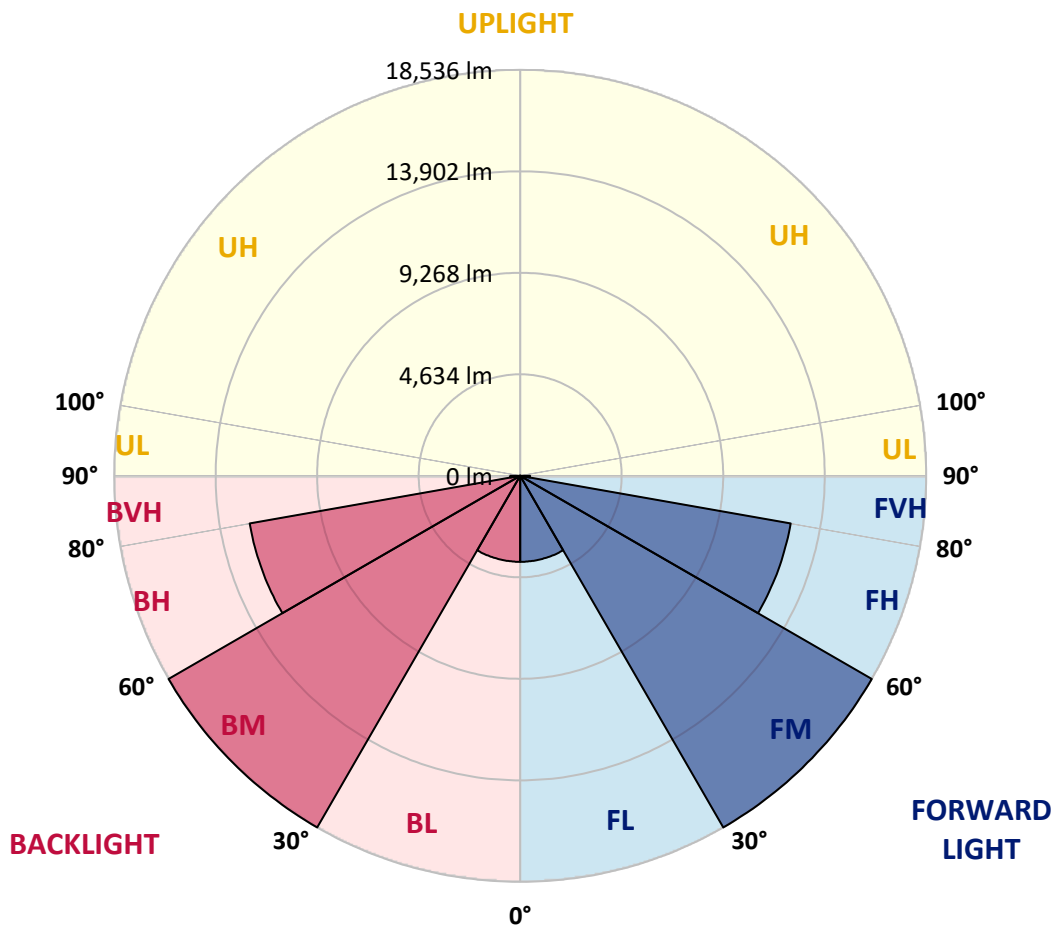
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3925.7	5.5			
FM (30°-60°)	18536.2	26.1			
FH (60°-80°)	12540.8	17.7			G5
FVH (80°-90°)	450.8	0.6			G3/500
BL (0°-30°)	3925.7	5.5	B4/5000		
BM (30°-60°)	18536.2	26.1	B5		
BH (60°-80°)	12540.8	17.7	B5		G5
BVH (80°-90°)	450.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7	7372.7
2.5°	7320.4	7322.7	7334.6	7348.9	7360.8	7391.7	7398.8	7410.7	7415.5	7427.3	7427.3
5°	7256.2	7260.9	7289.4	7327.5	7370.3	7446.4	7501.0	7562.9	7593.8	7627.1	7624.7
7.5°	7249.0	7260.9	7301.3	7363.1	7434.5	7560.5	7674.6	7798.2	7881.4	7957.5	7952.8
10°	7322.7	7341.8	7398.8	7491.5	7598.5	7755.4	7924.2	8090.7	8235.7	8352.2	8356.9
12.5°	7434.5	7458.2	7548.6	7688.9	7850.5	8052.6	8252.3	8440.2	8639.9	8813.4	8827.7
15°	7581.9	7612.8	7748.3	7957.5	8204.8	8444.9	8658.9	8851.5	9082.1	9322.2	9346.0
17.5°	7800.6	7843.4	8021.7	8304.6	8630.4	8894.3	9117.8	9262.8	9455.4	9702.6	9747.8
20°	8133.5	8188.1	8414.0	8751.6	9148.7	9424.5	9595.6	9626.5	9721.6	9942.7	9995.1
22.5°	8566.2	8613.7	8865.7	9267.5	9712.1	10011.7	10102.0	9978.4	9968.9	10147.2	10197.1
25°	9048.8	9091.6	9384.0	9835.8	10313.6	10644.1	10641.7	10401.6	10235.2	10373.1	10425.4
27.5°	9590.9	9657.4	9938.0	10413.5	10924.7	11250.4	11231.4	10860.5	10544.3	10579.9	10625.1
30°	10213.8	10287.5	10560.9	11043.5	11554.7	11873.3	11849.5	11359.7	10884.2	10789.1	10822.4
32.5°	10986.5	11074.4	11333.6	11809.1	12260.8	12548.5	12479.6	11901.8	11293.2	11086.3	11117.2
35°	11916.1	11968.4	12241.8	12710.2	13076.3	13273.6	13128.6	12529.5	11811.5	11561.8	11561.8
37.5°	12857.6	12898.0	13204.7	13658.8	14013.0	14117.7	13834.7	13216.6	12489.1	12134.8	12141.9
40°	13761.0	13870.4	14215.1	14681.1	15030.6	15059.2	14683.5	14001.2	13242.7	12876.6	12919.4
42.5°	14704.9	14811.9	15223.2	15751.0	16060.1	16107.6	15667.8	14880.8	14093.9	13796.7	13844.2
45°	15546.5	15632.1	16107.6	16721.0	17106.2	17229.8	16709.1	15888.9	15014.0	14723.9	14735.8
47.5°	16133.8	16245.5	16768.6	17491.3	18052.4	18242.6	17731.5	16870.8	15919.8	15567.9	15598.8
50°	16666.3	16725.8	17256.0	18045.3	18758.6	19150.8	18713.4	17840.8	16835.2	16461.9	16495.2
52.5°	16963.5	17039.6	17553.2	18375.8	19219.8	19852.2	19585.9	18713.4	17719.6	17355.8	17396.2
55°	16756.7	16813.8	17429.5	18449.5	19505.1	20284.9	20325.3	19566.9	18587.4	18268.8	18382.9
57.5°	15815.2	15886.5	16637.8	17974.0	19540.8	20577.4	20881.7	20358.6	19398.1	19139.0	19205.5
60°	14343.5	14388.7	15189.9	16692.5	18846.5	20698.6	21235.9	21005.3	20192.2	19933.0	20023.4
62.5°	11721.1	11787.7	12745.8	14759.6	17379.6	20339.6	21578.3	21540.2	20931.6	20693.8	20774.7
65°	8012.2	8128.7	9189.1	11735.4	15118.6	19241.2	21889.7	22163.2	21585.4	21285.8	21392.8
67.5°	4838.2	4923.8	5691.8	7748.3	11569.0	17025.4	21568.8	22871.6	22046.7	21564.0	21652.0
68°	4324.7	4403.1	5045.1	6992.3	10701.2	16400.1	21276.3	22952.5	22096.6	21559.3	21637.7
70°	2612.9	2665.2	3095.5	4322.3	7134.9	13009.7	19281.6	22885.9	22415.2	21625.8	21671.0
72.5°	1702.3	1718.9	1790.3	2218.2	3644.7	7275.2	14471.9	21326.3	22893.0	22013.4	22006.2
75°	1414.6	1405.1	1412.2	1462.2	1797.4	3190.6	8456.8	16847.0	21823.2	21402.3	21252.6
77.5°	1195.9	1188.8	1186.4	1188.8	1203.0	1540.6	3670.9	10494.3	16699.6	18932.1	19065.3
80°	967.6	958.1	989.0	974.8	932.0	958.1	1538.2	4365.1	7871.9	8468.7	7936.1
82.5°	703.7	668.1	801.2	763.2	727.5	675.2	848.8	1409.9	1878.2	1288.6	905.8
85°	542.1	504.0	608.6	584.9	499.3	344.7	504.0	689.5	760.8	435.1	342.4
87.5°	221.1	233.0	439.8	347.1	292.4	166.4	206.8	275.8	370.9	185.4	142.7
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)