

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: P316821

Luminaire Tested: **GAN-SA7D-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316821
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-SA7D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56610 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

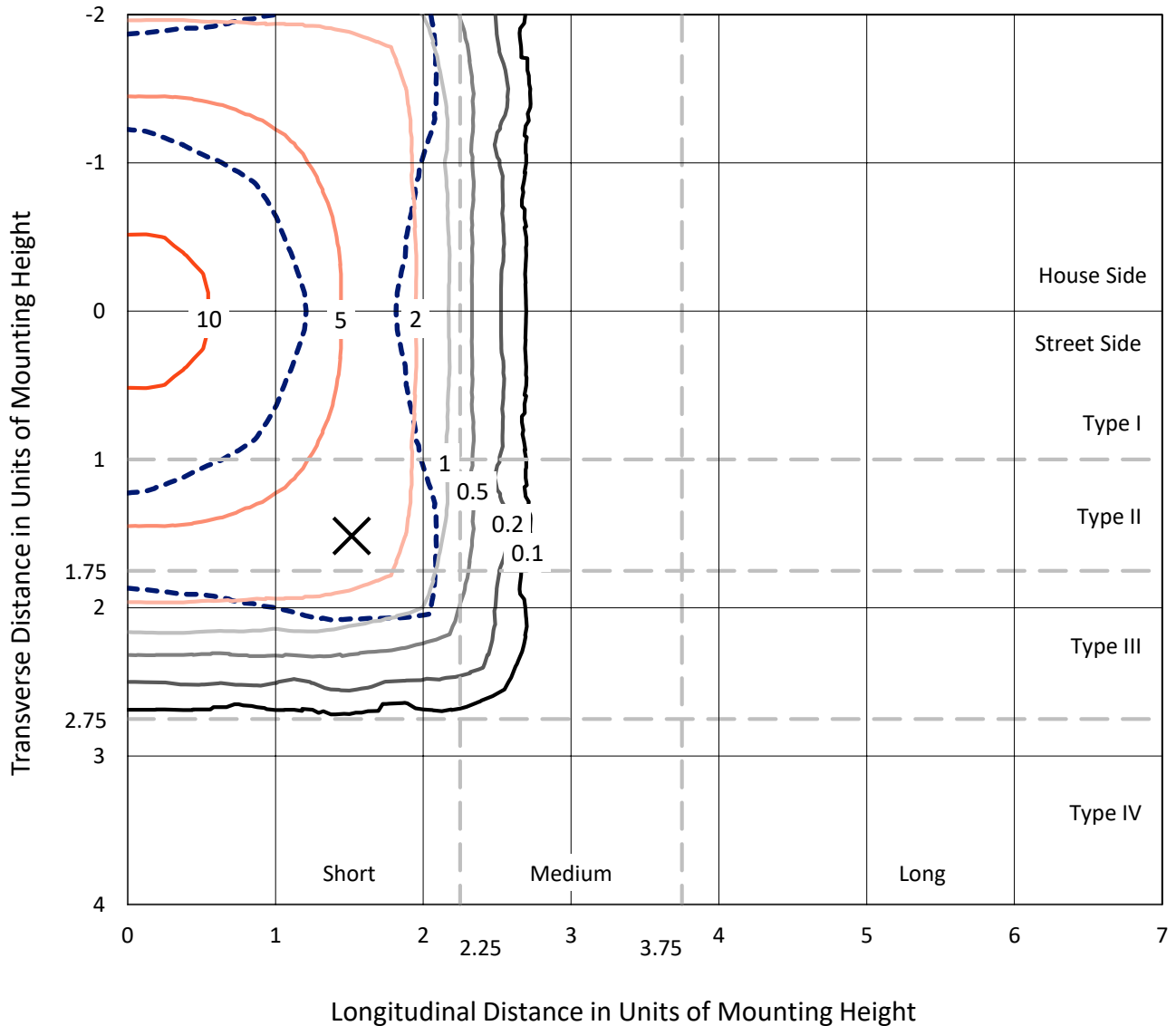
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

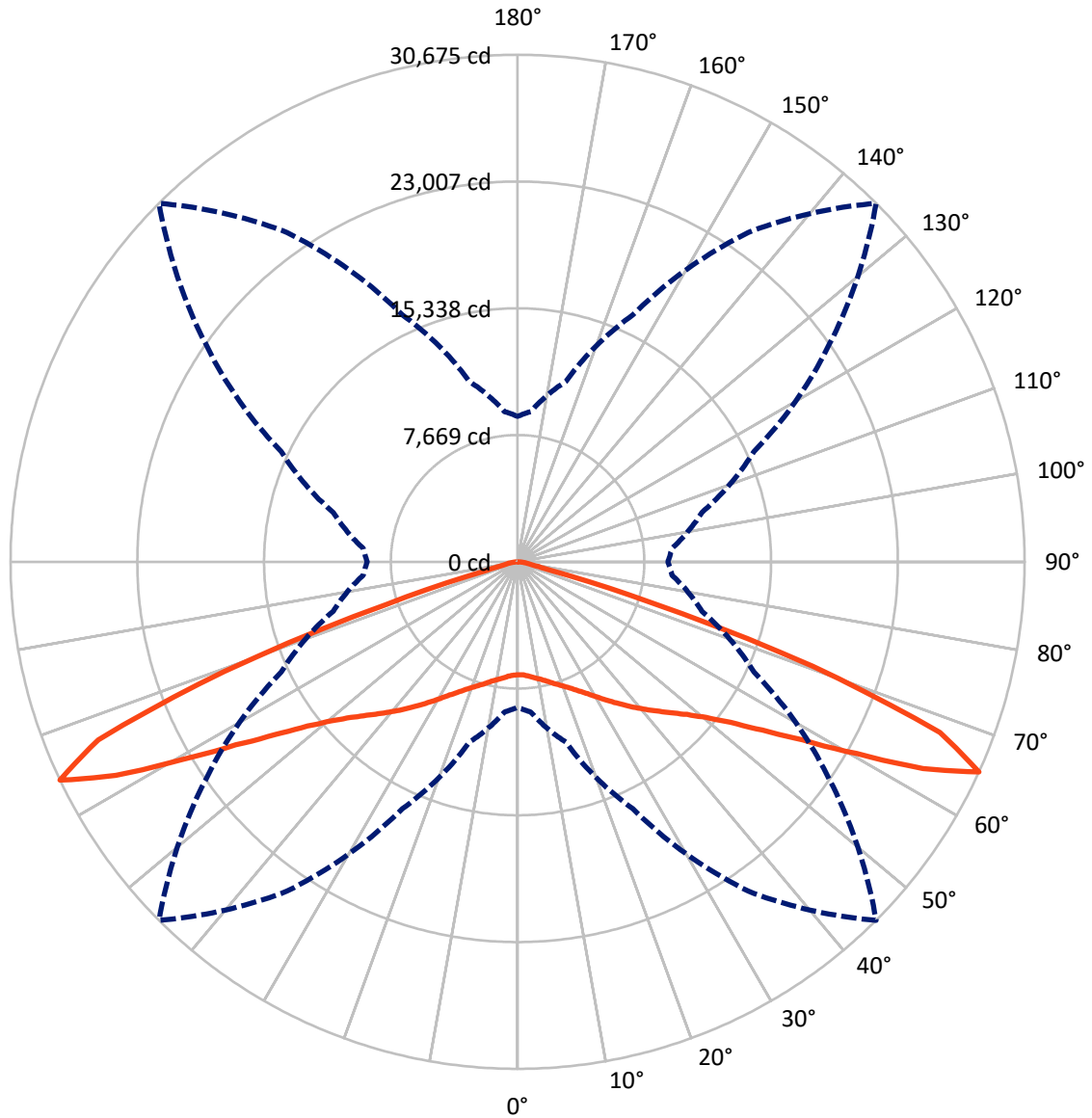
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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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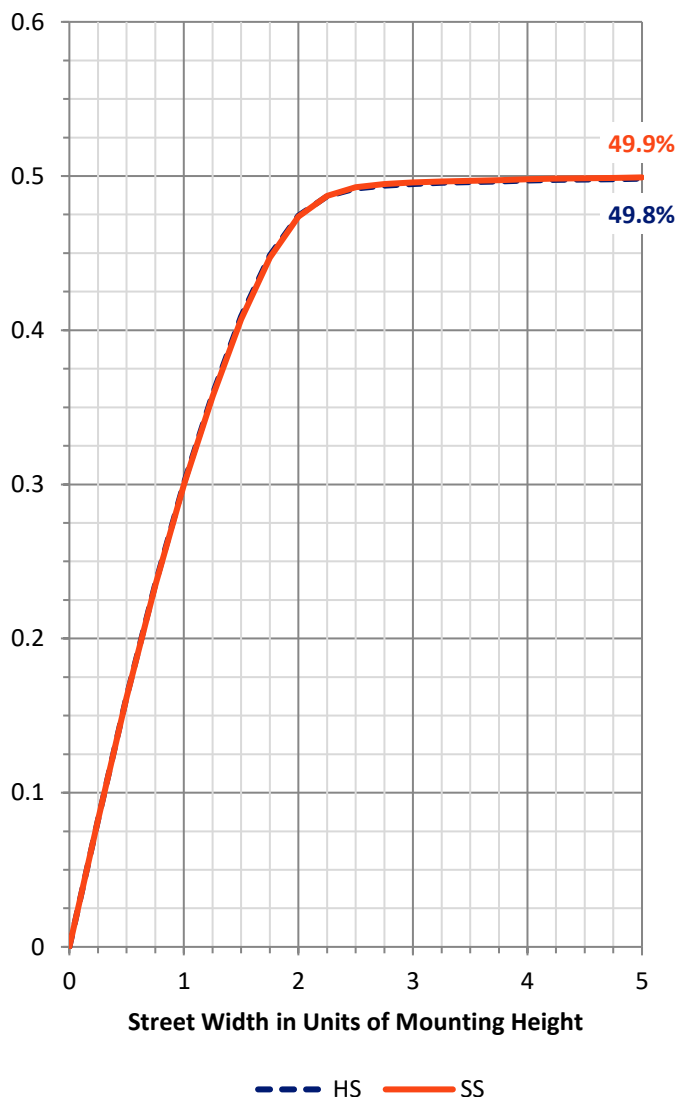
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28305.0	0.0	28305.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28305.0	0.0	28305.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56610.0	0.0	56610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.7	1.2
10°-20°	2155.9	3.8
20°-30°	4045.0	7.1
30°-40°	6689.5	11.8
40°-50°	10361.2	18.3
50°-60°	15891.1	28.1
60°-70°	14828.2	26.2
70°-80°	1725.8	3.0
80°-90°	242.5	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°	56610.0	100.0
0°-180°	56610.0	100.0

Coefficient of Utilization

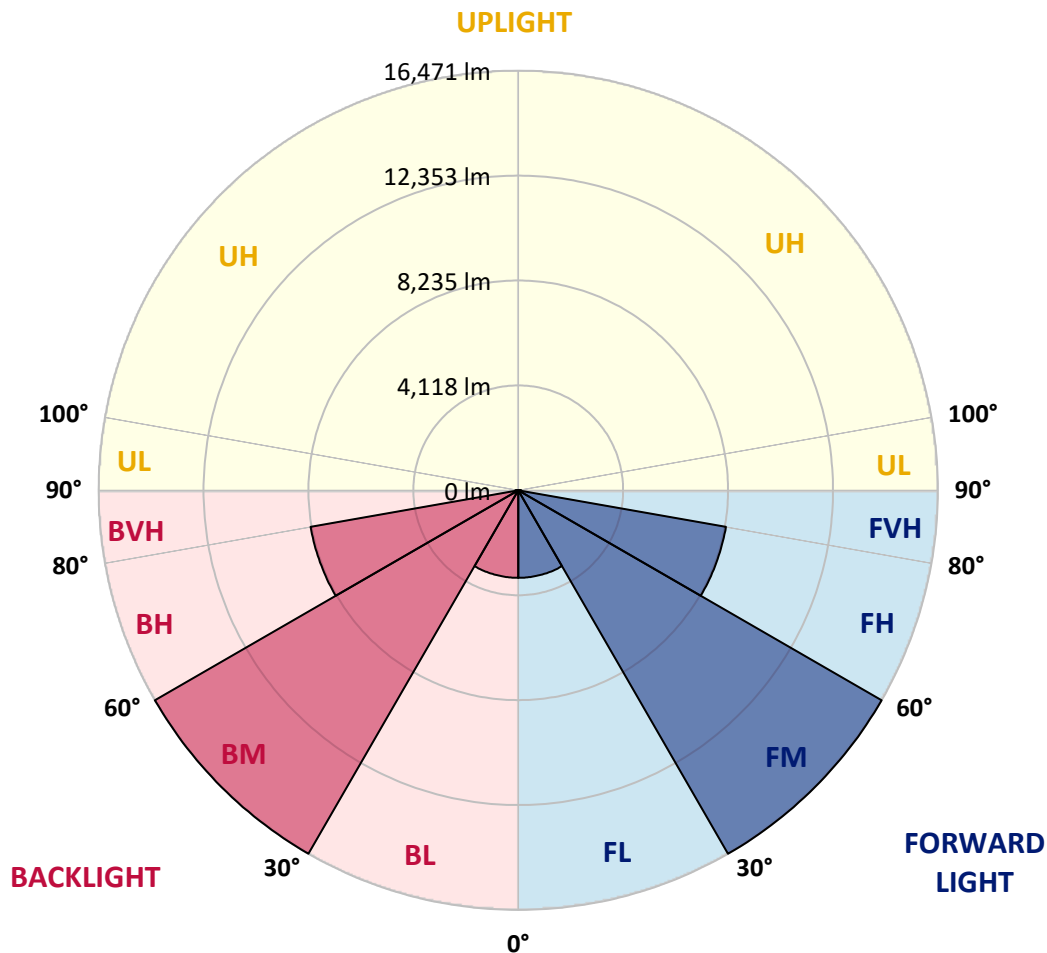


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3435.8	6.1			
FM (30°-60°)	16470.9	29.1			
FH (60°-80°)	8277.0	14.6			G4/12000
FVH (80°-90°)	121.2	0.2			G2/225
BL (0°-30°)	3435.8	6.1	B4/5000		
BM (30°-60°)	16470.9	29.1	B5		
BH (60°-80°)	8277.0	14.6	B5		G4/12000
BVH (80°-90°)	121.2	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4	6836.4
2.5°	6858.9	6855.2	6858.9	6860.8	6849.5	6855.2	6853.3	6862.7	6866.4	6862.7	6862.7
5°	6937.8	6932.2	6939.7	6949.1	6934.1	6937.8	6932.2	6943.5	6947.2	6939.7	6945.4
7.5°	7046.8	7048.7	7056.2	7073.1	7063.8	7071.3	7060.0	7061.9	7060.0	7048.7	7050.6
10°	7165.2	7167.1	7180.3	7202.8	7206.6	7206.6	7199.1	7193.4	7185.9	7178.4	7180.3
12.5°	7308.0	7317.4	7326.8	7355.0	7355.0	7370.1	7366.3	7351.3	7338.1	7326.8	7326.8
15°	7501.6	7499.7	7511.0	7539.2	7552.3	7576.8	7576.8	7556.1	7539.2	7527.9	7524.1
17.5°	7704.5	7710.2	7717.7	7751.5	7772.2	7800.4	7804.1	7787.2	7776.0	7760.9	7751.5
20°	7941.3	7950.7	7980.8	7993.9	8012.7	8039.0	8048.4	8044.7	8033.4	8025.9	8027.8
22.5°	8217.6	8242.0	8260.8	8279.6	8302.1	8320.9	8330.3	8343.5	8332.2	8326.5	8322.8
25°	8552.0	8569.0	8606.5	8640.4	8655.4	8661.0	8672.3	8691.1	8689.2	8676.1	8676.1
27.5°	8931.6	8963.6	9010.6	9059.4	9059.4	9040.6	9078.2	9110.2	9098.9	9082.0	9059.4
30°	9392.0	9422.1	9476.6	9544.2	9510.4	9497.3	9548.0	9606.3	9589.3	9561.2	9557.4
32.5°	9888.1	9916.3	9987.7	10061.0	10017.8	9999.0	10053.5	10138.1	10108.0	10051.6	10017.8
35°	10425.6	10453.8	10555.2	10643.5	10570.3	10538.3	10583.4	10675.5	10622.9	10517.6	10491.3
37.5°	11010.0	11025.0	11156.6	11246.8	11196.0	11111.5	11167.8	11235.5	11190.4	11062.6	11011.9
40°	11617.0	11671.4	11823.7	11928.9	11840.6	11707.2	11801.1	11895.1	11827.4	11663.9	11577.5
42.5°	12325.4	12366.7	12569.7	12663.6	12520.8	12332.9	12460.7	12588.5	12520.8	12363.0	12287.8
45°	13062.0	13125.9	13368.3	13462.3	13255.6	13016.9	13172.9	13396.5	13390.9	13163.5	13084.6
47.5°	13864.4	13928.3	14217.7	14341.7	14118.1	13798.7	14018.5	14334.2	14311.7	14061.7	13997.8
50°	14790.8	14858.5	15219.3	15375.3	15166.7	14794.6	15125.3	15403.5	15362.1	15053.9	15059.6
52.5°	15954.0	15950.3	16399.4	16670.0	16455.8	16126.9	16431.4	16702.0	16530.9	16104.4	16091.2
55°	16972.5	17034.6	17590.8	18103.8	18090.6	17964.7	18086.9	18098.2	17609.6	17042.1	16972.5
57.5°	17641.5	17759.9	18543.5	19471.8	20167.1	20334.4	20097.6	19379.7	18235.3	17327.7	17216.8
60°	17230.0	17410.4	18641.2	20533.6	22581.8	23564.6	22228.6	20001.8	17748.6	16484.0	16333.6
62.5°	14452.6	14757.0	16559.1	20020.5	24660.2	27533.4	23773.2	19003.9	15813.1	14071.1	13813.7
65°	8802.0	9123.3	11295.6	16478.3	24323.8	30675.4	23068.5	15773.6	11541.8	9375.1	9097.0
67.5°	2933.4	3027.3	4307.0	9108.3	19116.7	27561.6	19148.6	9442.8	5023.0	3329.9	3232.2
70°	1148.2	1157.6	1366.1	2640.2	9027.5	18930.6	9961.4	2687.2	1428.2	1129.4	1153.8
72.5°	843.7	847.5	905.8	1103.1	2352.7	8339.7	2437.3	1108.7	881.3	791.1	791.1
75°	678.4	678.4	719.7	804.3	1054.2	1913.0	1069.2	794.9	689.7	631.4	623.9
77.5°	535.6	546.8	578.8	633.3	714.1	920.8	740.4	629.5	556.2	501.7	490.5
80°	398.4	409.7	462.3	488.6	513.0	638.9	546.8	492.3	439.7	375.8	364.6
82.5°	261.2	272.5	338.2	353.3	347.6	417.2	368.3	362.7	323.2	242.4	231.1
85°	171.0	174.8	225.5	234.9	216.1	189.8	234.9	248.0	225.5	157.8	152.2
87.5°	80.8	80.8	114.6	107.1	97.7	78.9	107.1	125.9	127.8	77.0	75.2
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)