

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: P316782

Luminaire Tested: **GAN-SA8D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316782
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-SA8D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 58415 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

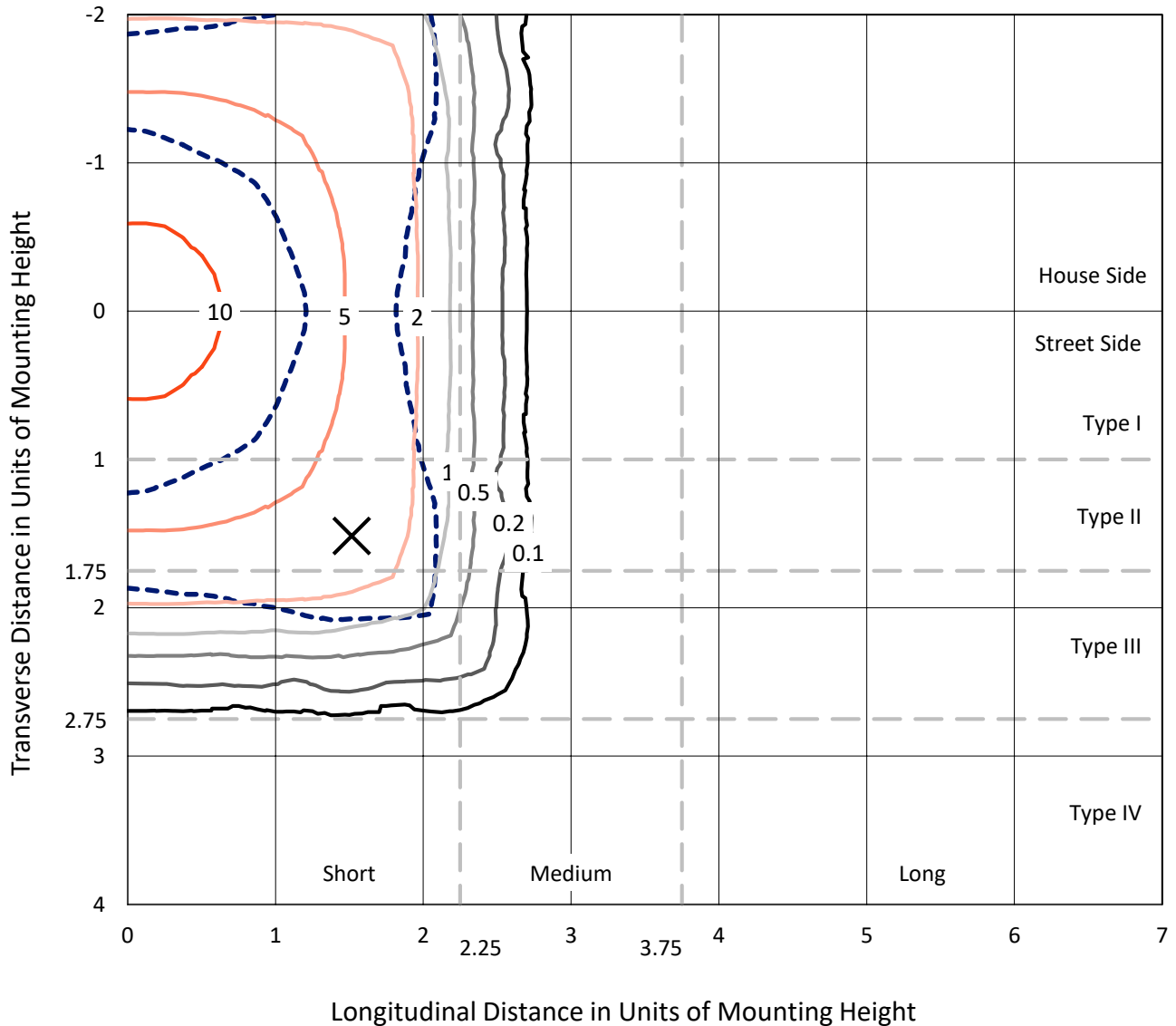
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

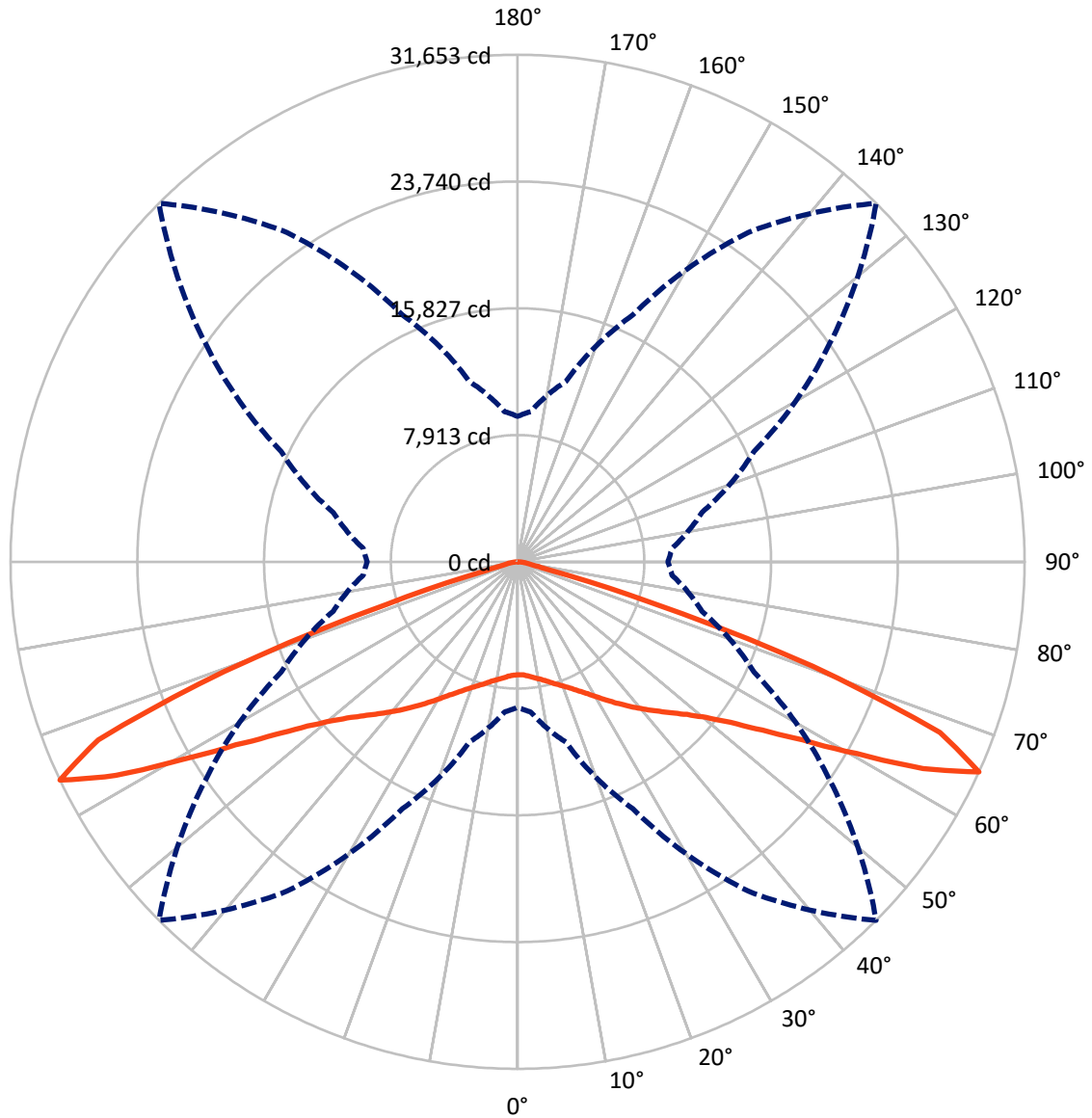
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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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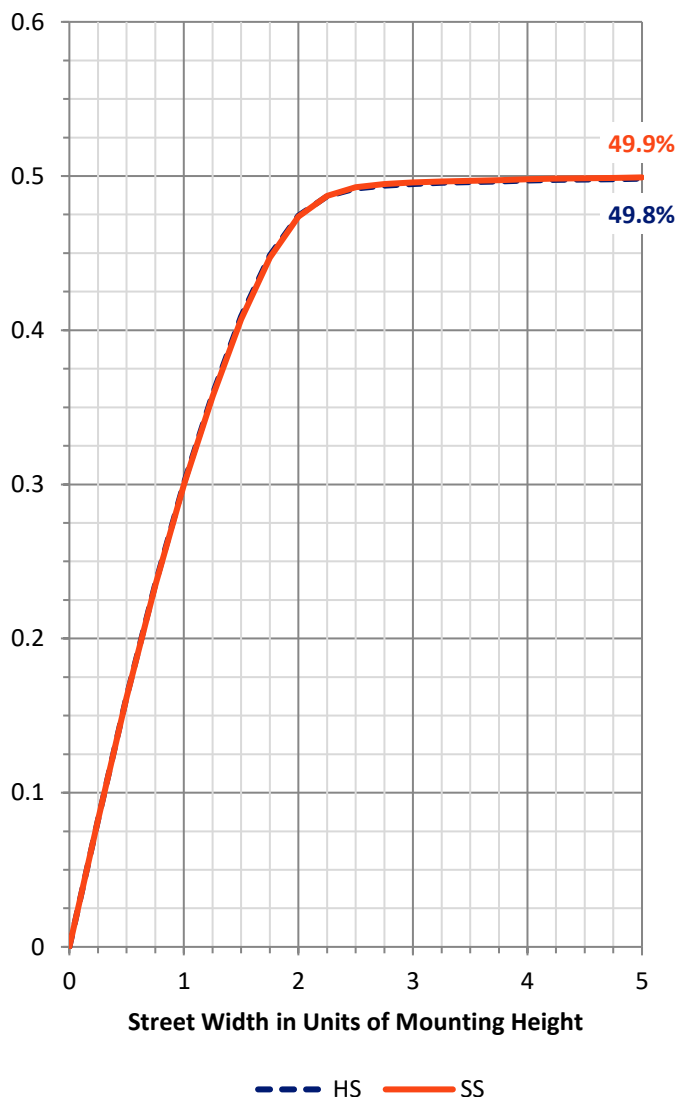
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29207.5	0.0	29207.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29207.5	0.0	29207.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58415.0	0.0	58415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.1	1.2
10°-20°	2224.7	3.8
20°-30°	4173.9	7.1
30°-40°	6902.8	11.8
40°-50°	10691.5	18.3
50°-60°	16397.8	28.1
60°-70°	15301.0	26.2
70°-80°	1780.8	3.0
80°-90°	250.2	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°	58415.0	100.0
0°-180°	58415.0	100.0

Coefficient of Utilization



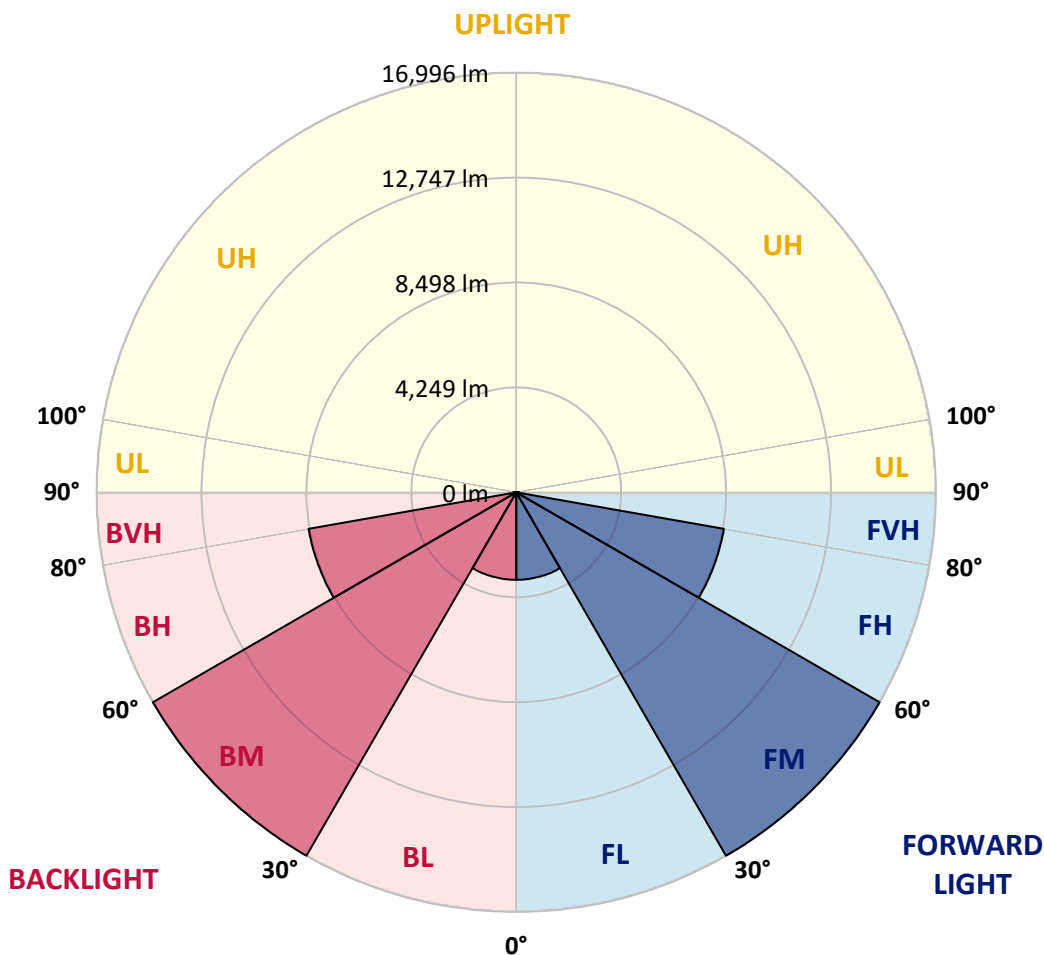
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3545.4	6.1			
FM (30°-60°)	16996.1	29.1			
FH (60°-80°)	8540.9	14.6			G4/12000
FVH (80°-90°)	125.1	0.2			G2/225
BL (0°-30°)	3545.4	6.1	B4/5000		
BM (30°-60°)	16996.1	29.1	B5		
BH (60°-80°)	8540.9	14.6	B5		G4/12000
BVH (80°-90°)	125.1	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°	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4	7054.4
2.5°	7077.6	7073.7	7077.6	7079.6	7067.9	7073.7	7071.8	7081.5	7085.4	7081.5	7081.5
5°	7159.1	7153.2	7161.0	7170.7	7155.2	7159.1	7153.2	7164.9	7168.8	7161.0	7166.8
7.5°	7271.5	7273.5	7281.2	7298.7	7289.0	7296.7	7285.1	7287.0	7285.1	7273.5	7275.4
10°	7393.7	7395.6	7409.2	7432.5	7436.3	7436.3	7428.6	7422.8	7415.0	7407.3	7409.2
12.5°	7541.1	7550.8	7560.4	7589.5	7589.5	7605.0	7601.2	7585.7	7572.1	7560.4	7560.4
15°	7740.8	7738.8	7750.5	7779.6	7793.1	7818.3	7818.3	7797.0	7779.6	7767.9	7764.1
17.5°	7950.2	7956.0	7963.8	7998.7	8020.0	8049.1	8053.0	8035.5	8023.9	8008.4	7998.7
20°	8194.5	8204.2	8235.2	8248.8	8268.2	8295.4	8305.1	8301.2	8289.5	8281.8	8283.7
22.5°	8479.6	8504.8	8524.2	8543.6	8566.8	8586.2	8595.9	8609.5	8597.9	8592.0	8588.2
25°	8824.7	8842.2	8881.0	8915.9	8931.4	8937.2	8948.8	8968.2	8966.3	8952.7	8952.7
27.5°	9216.4	9249.4	9297.9	9348.3	9348.3	9328.9	9367.7	9400.6	9389.0	9371.5	9348.3
30°	9691.5	9722.5	9778.7	9848.6	9813.7	9800.1	9852.4	9912.5	9895.1	9866.0	9862.1
32.5°	10203.4	10232.5	10306.2	10381.8	10337.2	10317.8	10374.0	10461.3	10430.3	10372.1	10337.2
35°	10758.0	10787.1	10891.8	10982.9	10907.3	10874.3	10920.9	11015.9	10961.6	10853.0	10825.8
37.5°	11361.0	11376.5	11512.3	11605.4	11553.0	11465.7	11523.9	11593.7	11547.2	11415.3	11363.0
40°	11987.4	12043.6	12200.7	12309.2	12218.1	12080.4	12177.4	12274.3	12204.5	12035.8	11946.6
42.5°	12718.4	12761.0	12970.5	13067.4	12920.0	12726.1	12858.0	12989.9	12920.0	12757.2	12679.6
45°	13478.5	13544.4	13794.6	13891.5	13678.2	13432.0	13592.9	13823.7	13817.8	13583.2	13501.8
47.5°	14306.5	14372.4	14671.0	14799.0	14568.3	14238.6	14465.5	14791.3	14768.0	14510.1	14444.2
50°	15262.5	15332.3	15704.6	15865.5	15650.3	15266.3	15607.6	15894.6	15851.9	15533.9	15539.7
52.5°	16462.7	16458.9	16922.3	17201.5	16980.5	16641.1	16955.3	17234.5	17058.0	16617.9	16604.3
55°	17513.7	17577.7	18151.7	18681.0	18667.5	18537.5	18663.6	18675.2	18171.1	17585.5	17513.7
57.5°	18204.0	18326.2	19134.8	20092.7	20810.1	20982.7	20738.4	19997.7	18816.8	17880.2	17765.8
60°	17779.4	17965.5	19235.6	21188.3	23301.9	24316.0	22937.3	20639.5	18314.6	17009.6	16854.4
62.5°	14913.4	15227.5	17087.1	20658.9	25446.5	28411.3	24531.2	19609.9	16317.3	14519.8	14254.1
65°	9082.6	9414.2	11655.8	17003.7	25099.4	31653.4	23804.1	16276.6	11909.8	9674.0	9387.1
67.5°	3026.9	3123.8	4444.4	9398.7	19726.2	28440.4	19759.2	9743.8	5183.1	3436.0	3335.2
70°	1184.8	1194.5	1409.7	2724.4	9315.3	19534.2	10279.0	2772.9	1473.7	1165.4	1190.6
72.5°	870.6	874.5	934.6	1138.2	2427.7	8605.6	2515.0	1144.1	909.4	816.4	816.4
75°	700.0	700.0	742.7	829.9	1087.8	1974.0	1103.3	820.2	711.6	651.5	643.8
77.5°	552.6	564.3	597.2	653.5	736.8	950.1	764.0	649.6	574.0	517.7	506.1
80°	411.1	422.7	477.0	504.2	529.4	659.3	564.3	508.0	453.7	387.8	376.2
82.5°	269.5	281.2	349.0	364.5	358.7	430.5	380.1	374.2	333.5	250.1	238.5
85°	176.5	180.3	232.7	242.4	223.0	195.8	242.4	256.0	232.7	162.9	157.1
87.5°	83.4	83.4	118.3	110.5	100.8	81.4	110.5	129.9	131.9	79.5	77.6
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)