

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: P316858

Luminaire Tested: **GAN-SA4D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316858
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-SA4D-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 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: 32286 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

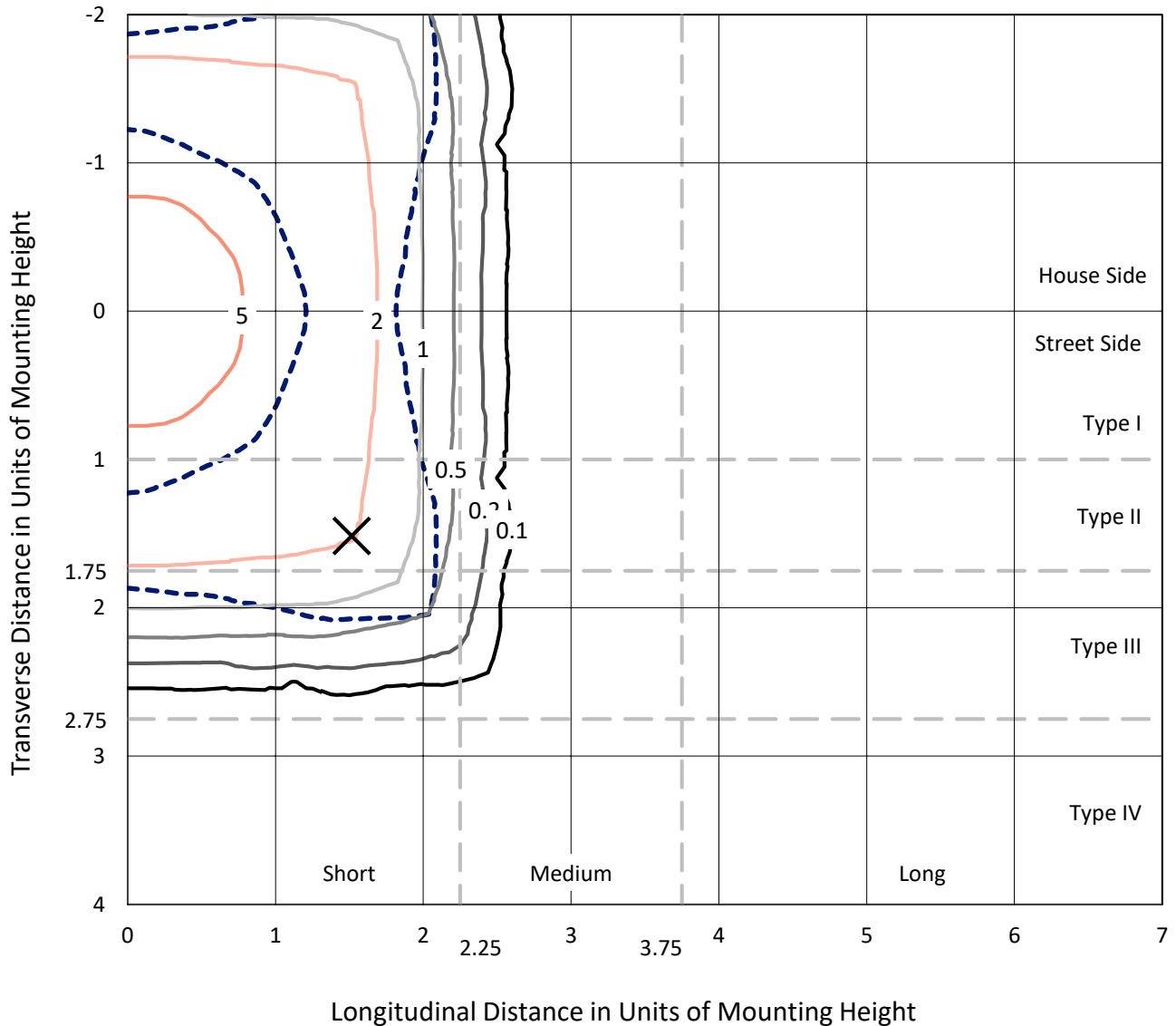
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

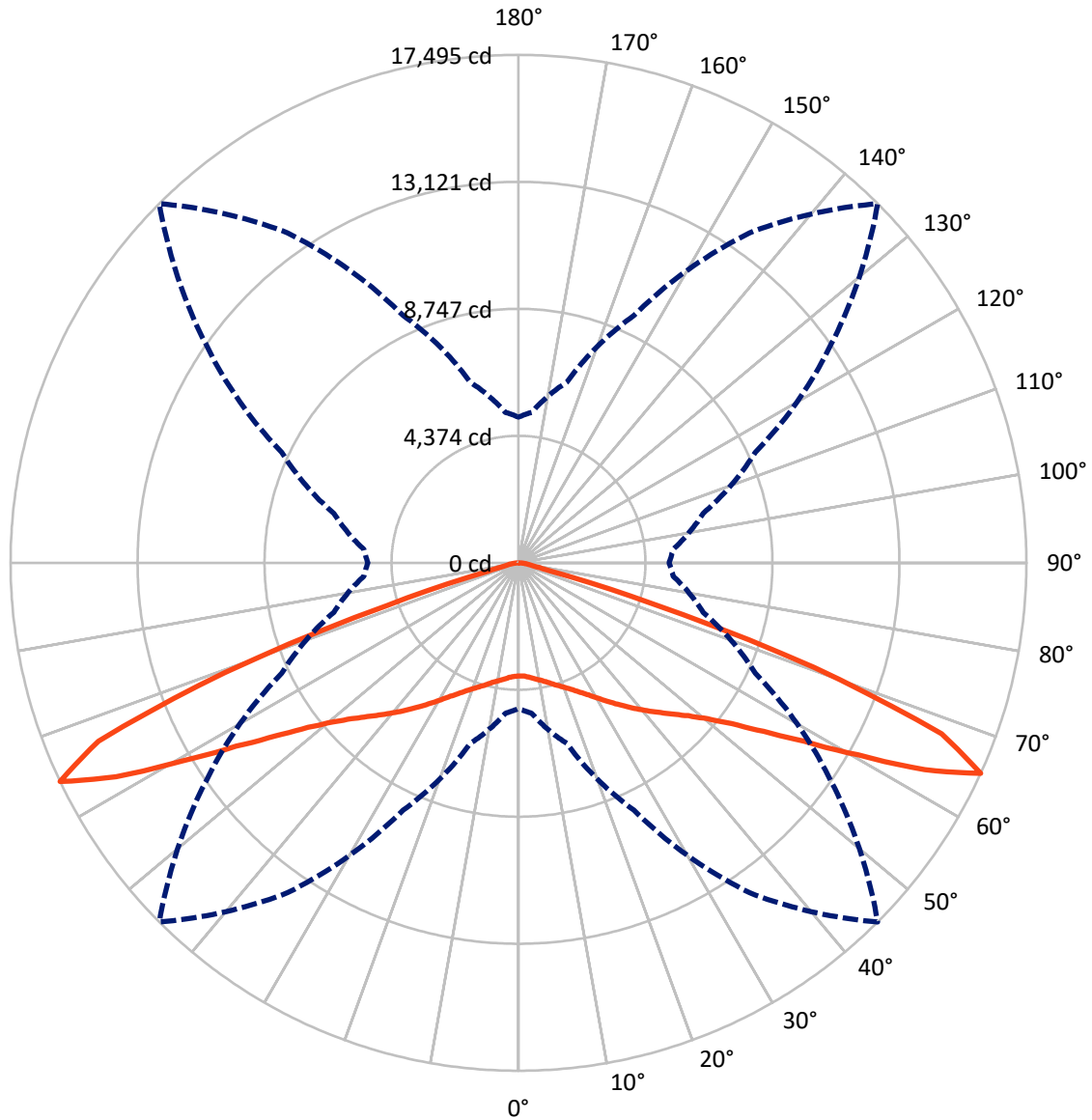
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	16143.0	0.0	16143.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16143.0	0.0	16143.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32286.0	0.0	32286.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	1.2
10°-20°	1229.6	3.8
20°-30°	2306.9	7.1
30°-40°	3815.2	11.8
40°-50°	5909.2	18.3
50°-60°	9063.1	28.1
60°-70°	8456.9	26.2
70°-80°	984.3	3.0
80°-90°	138.3	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°	32286.0	100.0
0°-180°	32286.0	100.0

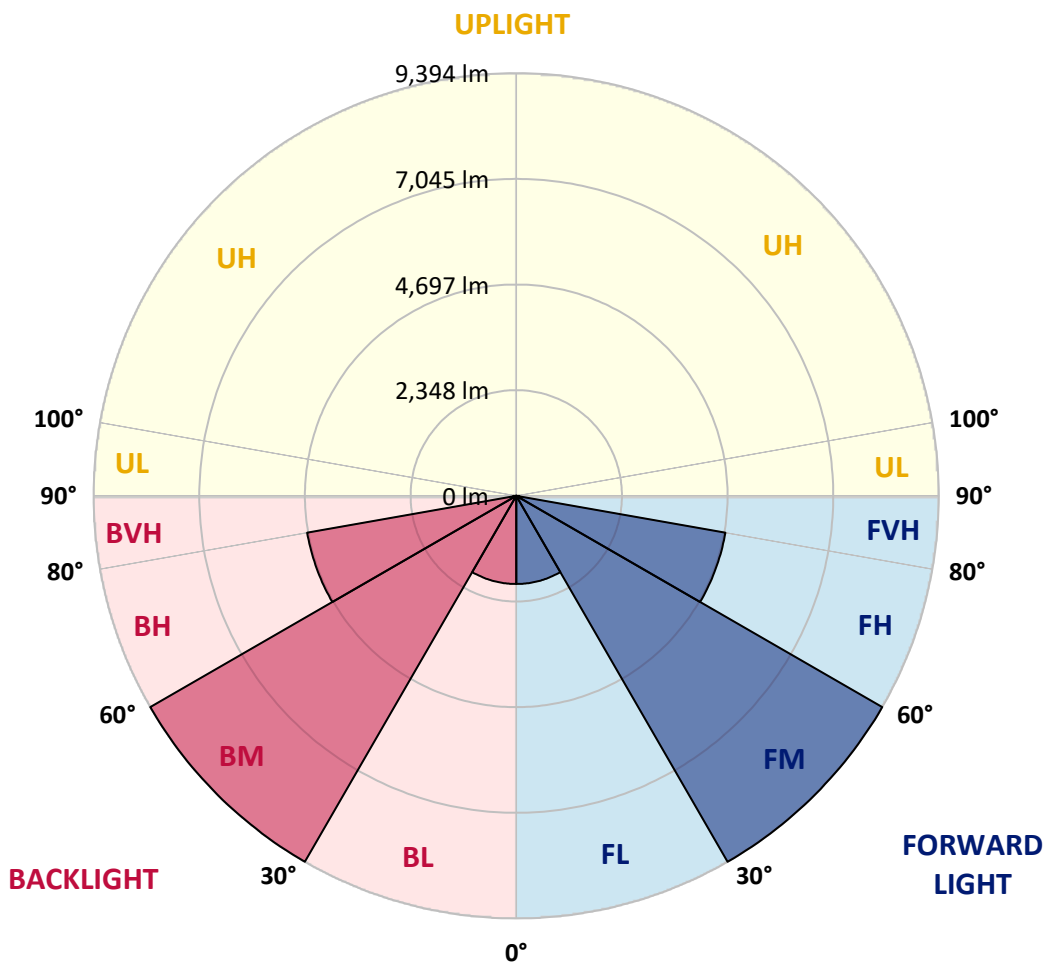


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.5	6.1			
FM (30°-60°)	9393.8	29.1			
FH (60°-80°)	4720.6	14.6			G2/5000
FVH (80°-90°)	69.2	0.2			G1/100
BL (0°-30°)	1959.5	6.1	B3/2500		
BM (30°-60°)	9393.8	29.1	B5		
BH (60°-80°)	4720.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	69.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9	3898.9
2.5°	3911.8	3909.7	3911.8	3912.9	3906.4	3909.7	3908.6	3913.9	3916.1	3913.9	3913.9
5°	3956.8	3953.6	3957.9	3963.2	3954.7	3956.8	3953.6	3960.0	3962.2	3957.9	3961.1
7.5°	4019.0	4020.0	4024.3	4034.0	4028.6	4032.9	4026.5	4027.6	4026.5	4020.0	4021.1
10°	4086.5	4087.6	4095.1	4107.9	4110.1	4110.1	4105.8	4102.6	4098.3	4094.0	4095.1
12.5°	4167.9	4173.3	4178.7	4194.7	4194.7	4203.3	4201.2	4192.6	4185.1	4178.7	4178.7
15°	4278.3	4277.3	4283.7	4299.8	4307.3	4321.2	4321.2	4309.4	4299.8	4293.3	4291.2
17.5°	4394.1	4397.3	4401.6	4420.9	4432.7	4448.7	4450.9	4441.2	4434.8	4426.2	4420.9
20°	4529.1	4534.5	4551.6	4559.1	4569.8	4584.8	4590.2	4588.1	4581.6	4577.3	4578.4
22.5°	4686.7	4700.6	4711.3	4722.0	4734.9	4745.6	4751.0	4758.5	4752.0	4748.8	4746.7
25°	4877.4	4887.1	4908.5	4927.8	4936.4	4939.6	4946.0	4956.7	4955.7	4948.2	4948.2
27.5°	5093.9	5112.1	5138.9	5166.8	5166.8	5156.1	5177.5	5195.7	5189.3	5179.7	5166.8
30°	5356.5	5373.6	5404.7	5443.3	5424.0	5416.5	5445.4	5478.7	5469.0	5452.9	5450.8
32.5°	5639.4	5655.5	5696.2	5738.0	5713.4	5702.7	5733.7	5782.0	5764.8	5732.7	5713.4
35°	5945.9	5962.0	6019.9	6070.3	6028.5	6010.2	6036.0	6088.5	6058.5	5998.5	5983.5
37.5°	6279.2	6287.8	6362.8	6414.3	6385.4	6337.1	6369.3	6407.9	6382.1	6309.3	6280.3
40°	6625.4	6656.5	6743.3	6803.3	6753.0	6676.9	6730.4	6784.0	6745.5	6652.2	6602.9
42.5°	7029.5	7053.0	7168.8	7222.4	7140.9	7033.7	7106.6	7179.5	7140.9	7050.9	7008.0
45°	7449.6	7486.0	7624.3	7677.9	7560.0	7423.9	7512.8	7640.3	7637.1	7507.4	7462.4
47.5°	7907.2	7943.6	8108.7	8179.4	8051.9	7869.7	7995.1	8175.1	8162.3	8019.7	7983.3
50°	8435.6	8474.1	8679.9	8768.9	8649.9	8437.7	8626.3	8784.9	8761.4	8585.6	8588.8
52.5°	9099.0	9096.8	9353.0	9507.3	9385.1	9197.6	9371.2	9525.5	9428.0	9184.7	9177.2
55°	9679.8	9715.2	10032.4	10325.0	10317.5	10245.7	10315.4	10321.8	10043.2	9719.5	9679.8
57.5°	10061.4	10128.9	10575.8	11105.2	11501.8	11597.2	11462.1	11052.7	10400.0	9882.4	9819.2
60°	9826.7	9929.6	10631.5	11710.8	12878.9	13439.5	12677.5	11407.5	10122.5	9401.2	9315.5
62.5°	8242.7	8416.3	9444.1	11418.2	14064.3	15702.9	13558.4	10838.4	9018.6	8025.1	7878.3
65°	5020.0	5203.2	6442.2	9398.0	13872.4	17494.9	13156.5	8996.1	6582.5	5346.8	5188.2
67.5°	1673.0	1726.6	2456.4	5194.7	10902.7	15719.0	10920.9	5385.4	2864.7	1899.1	1843.4
70°	654.8	660.2	779.1	1505.8	5148.6	10796.6	5681.2	1532.6	814.5	644.1	658.0
72.5°	481.2	483.3	516.6	629.1	1341.8	4756.3	1390.0	632.3	502.6	451.2	451.2
75°	386.9	386.9	410.5	458.7	601.2	1091.0	609.8	453.3	393.3	360.1	355.8
77.5°	305.4	311.9	330.1	361.2	407.3	525.1	422.3	359.0	317.2	286.2	279.7
80°	227.2	233.6	263.6	278.6	292.6	364.4	311.9	280.8	250.8	214.3	207.9
82.5°	149.0	155.4	192.9	201.5	198.3	237.9	210.1	206.8	184.3	138.3	131.8
85°	97.5	99.7	128.6	134.0	123.2	108.2	134.0	141.5	128.6	90.0	86.8
87.5°	46.1	46.1	65.4	61.1	55.7	45.0	61.1	71.8	72.9	43.9	42.9
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)