

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: P383523

Luminaire Tested: **GAN-SA8B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383523
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-SA8B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44008.2 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

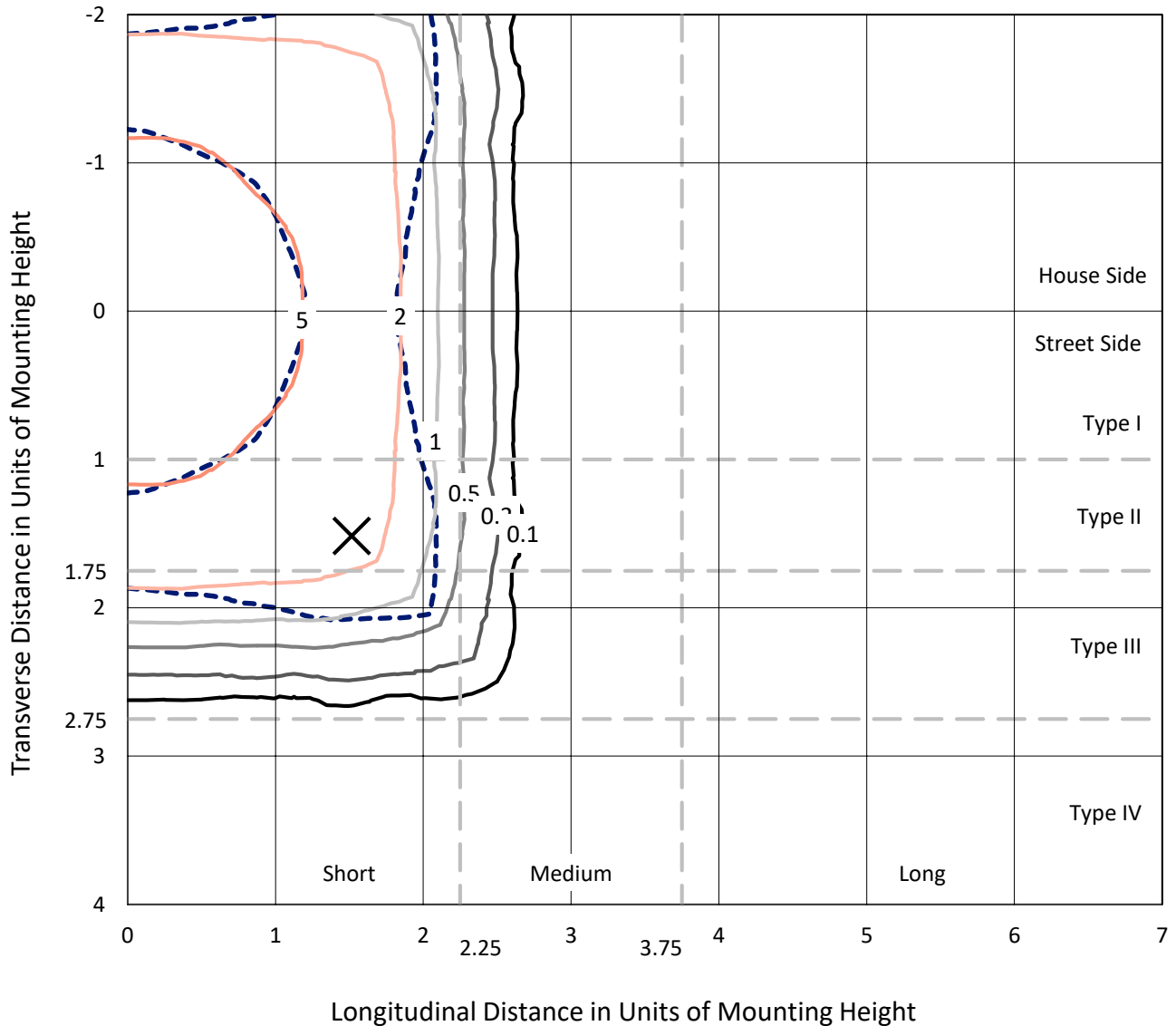
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

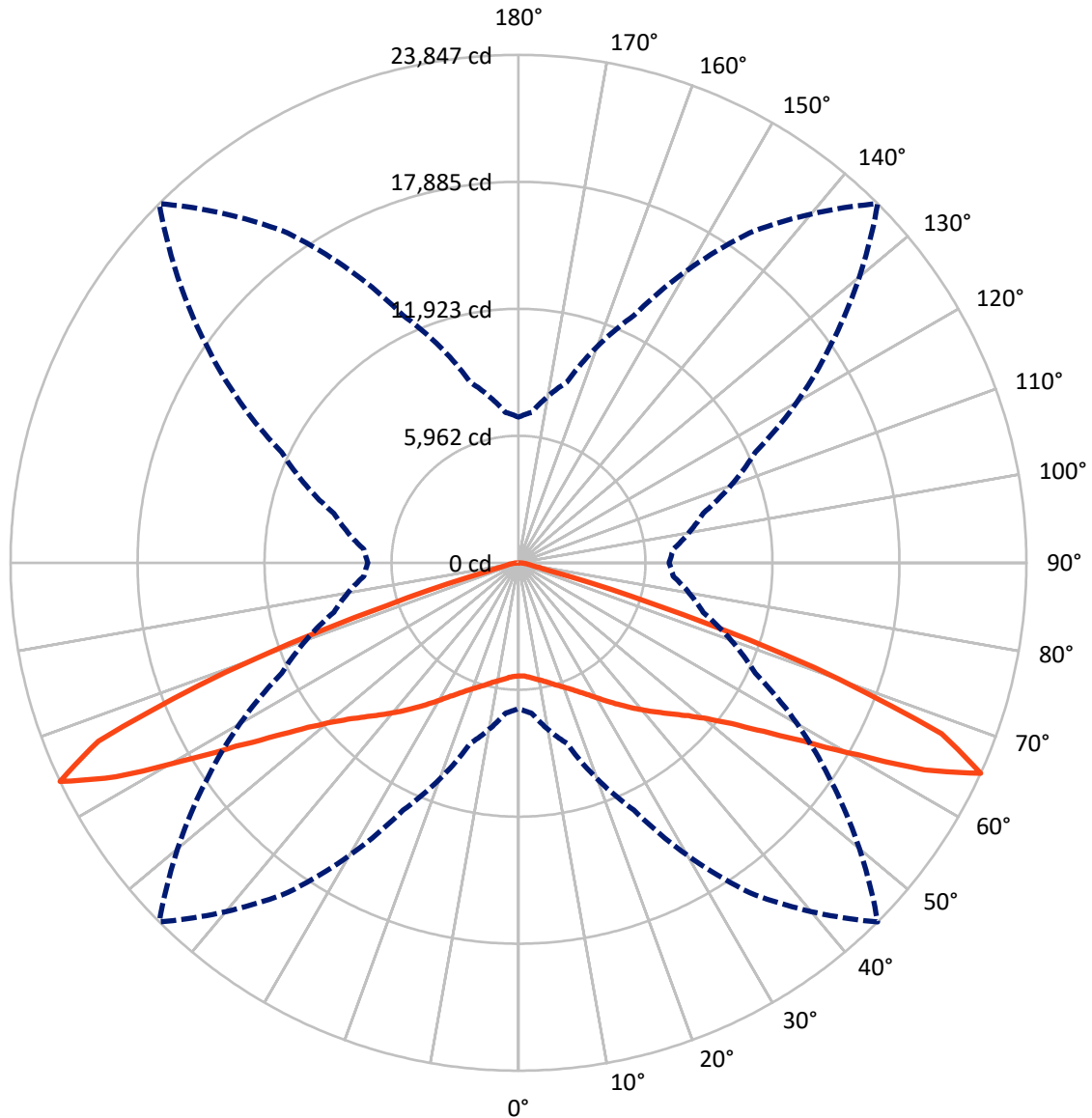
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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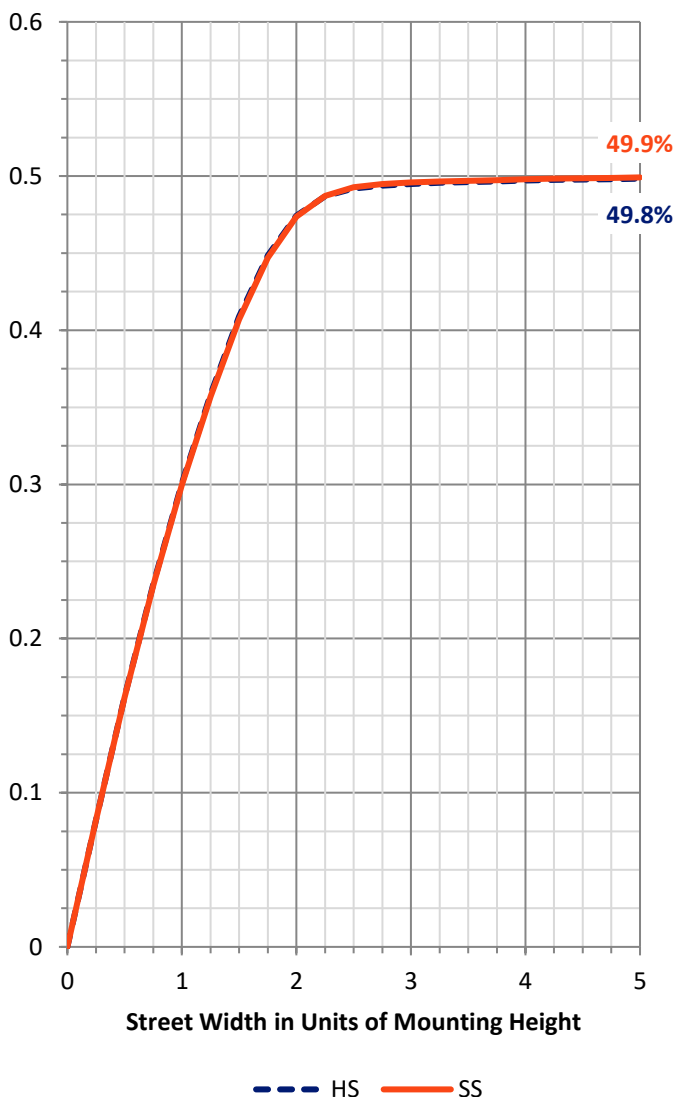
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22004.1	0.0	22004.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22004.1	0.0	22004.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	44008.2	0.0	44008.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.4	1.2
10°-20°	1676.0	3.8
20°-30°	3144.5	7.1
30°-40°	5200.4	11.8
40°-50°	8054.7	18.3
50°-60°	12353.7	28.1
60°-70°	11527.4	26.2
70°-80°	1341.6	3.0
80°-90°	188.5	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°	44008.2	100.0
0°-180°	44008.2	100.0

Coefficient of Utilization



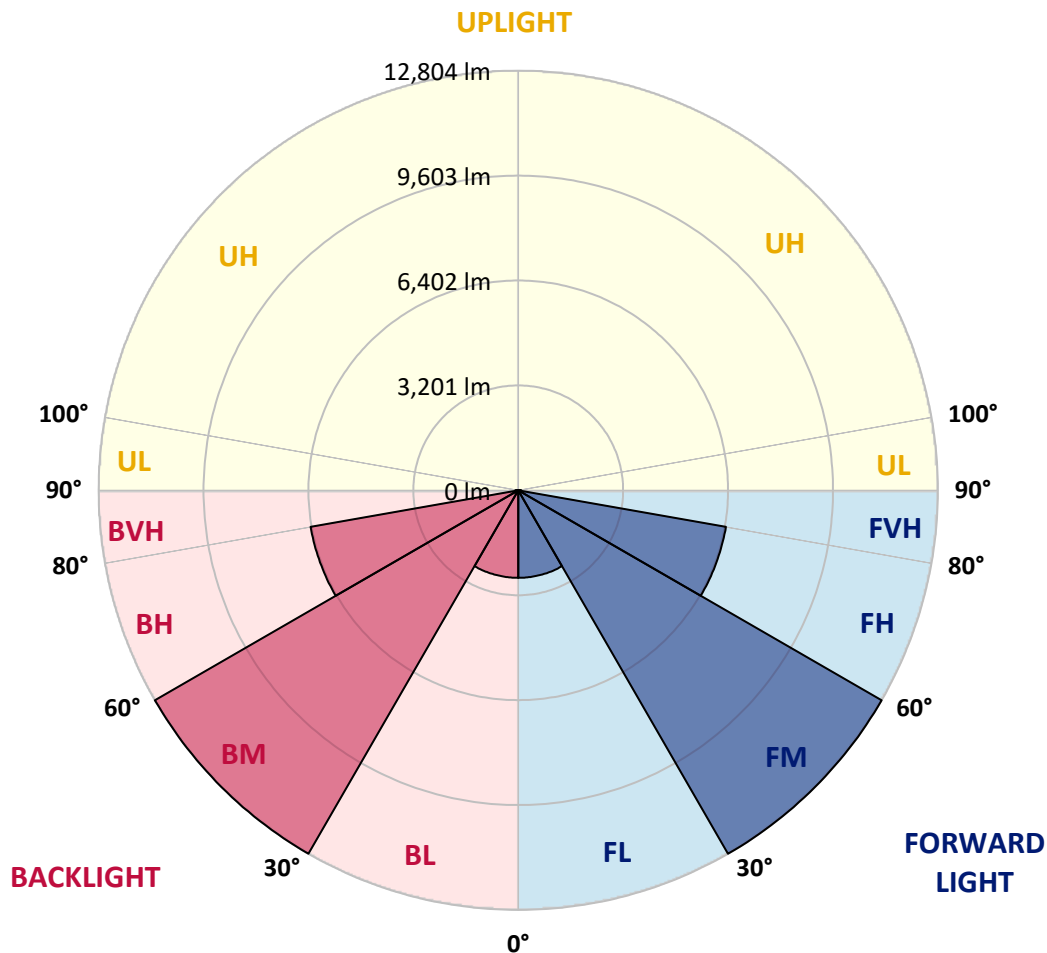
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2671.0	6.1			
FM (30°-60°)	12804.4	29.1			
FH (60°-80°)	6434.5	14.6			G3/7500
FVH (80°-90°)	94.3	0.2			G1/100
BL (0°-30°)	2671.0	6.1	B4/5000		
BM (30°-60°)	12804.4	29.1	B5		
BH (60°-80°)	6434.5	14.6	B5		G3/7500
BVH (80°-90°)	94.3	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6	5314.6
2.5°	5332.1	5329.2	5332.1	5333.6	5324.7	5329.2	5327.7	5335.0	5338.0	5335.0	5335.0
5°	5393.5	5389.0	5394.9	5402.2	5390.5	5393.5	5389.0	5397.9	5400.7	5394.9	5399.2
7.5°	5478.2	5479.6	5485.4	5498.6	5491.3	5497.2	5488.4	5489.9	5488.4	5479.6	5481.0
10°	5570.2	5571.7	5581.8	5599.4	5602.3	5602.3	5596.5	5592.1	5586.3	5580.4	5581.8
12.5°	5681.2	5688.5	5695.9	5717.7	5717.7	5729.4	5726.5	5714.9	5704.6	5695.9	5695.9
15°	5831.7	5830.2	5838.9	5860.9	5871.1	5890.1	5890.1	5874.1	5860.9	5852.2	5849.2
17.5°	5989.5	5993.9	5999.7	6026.0	6042.0	6064.0	6066.9	6053.8	6045.0	6033.3	6026.0
20°	6173.6	6180.8	6204.2	6214.4	6229.1	6249.5	6256.8	6253.9	6245.1	6239.2	6240.7
22.5°	6388.3	6407.3	6421.9	6436.4	6454.0	6468.6	6475.9	6486.2	6477.3	6473.0	6470.1
25°	6648.3	6661.4	6690.7	6716.9	6728.7	6733.0	6741.8	6756.4	6754.9	6744.7	6744.7
27.5°	6943.4	6968.3	7004.8	7042.7	7042.7	7028.2	7057.3	7082.2	7073.4	7060.3	7042.7
30°	7301.3	7324.7	7367.1	7419.6	7393.3	7383.1	7422.6	7467.8	7454.7	7432.7	7429.8
32.5°	7686.9	7708.8	7764.4	7821.4	7787.7	7773.1	7815.5	7881.3	7857.9	7814.0	7787.7
35°	8104.7	8126.6	8205.5	8274.2	8217.3	8192.4	8227.4	8299.1	8258.2	8176.4	8155.9
37.5°	8559.1	8570.8	8673.0	8743.1	8703.7	8638.0	8681.7	8734.4	8699.4	8600.0	8560.5
40°	9030.9	9073.3	9191.6	9273.5	9204.8	9101.0	9174.1	9247.1	9194.6	9067.4	9000.2
42.5°	9581.6	9613.8	9771.6	9844.6	9733.6	9587.5	9686.9	9786.2	9733.6	9610.9	9552.5
45°	10154.3	10204.0	10392.4	10465.5	10304.8	10119.2	10240.5	10414.3	10410.0	10233.2	10171.8
47.5°	10778.1	10827.8	11052.7	11149.1	10975.3	10727.0	10897.9	11143.3	11125.8	10931.5	10881.8
50°	11498.3	11550.9	11831.4	11952.6	11790.4	11501.2	11758.3	11974.5	11942.3	11702.8	11707.2
52.5°	12402.5	12399.6	12748.8	12959.1	12792.6	12537.0	12773.6	12984.0	12851.1	12519.4	12509.2
55°	13194.3	13242.5	13674.9	14073.7	14063.6	13965.7	14060.6	14069.3	13689.6	13248.4	13194.3
57.5°	13714.4	13806.4	14415.6	15137.3	15677.8	15807.8	15623.7	15065.6	14176.0	13470.5	13384.2
60°	13394.4	13534.7	14491.5	15962.6	17554.9	18319.0	17280.3	15549.2	13797.6	12814.5	12697.6
62.5°	11235.3	11472.0	12873.0	15563.8	19170.6	21404.3	18481.2	14773.5	12293.0	10938.8	10738.7
65°	6842.6	7092.4	8781.1	12810.1	18909.1	23846.8	17933.3	12262.3	8972.5	7288.1	7071.9
67.5°	2280.3	2353.5	3348.3	7080.7	14861.2	21426.2	14885.9	7340.7	3904.9	2588.6	2512.7
70°	892.6	899.9	1062.1	2052.5	7017.9	14716.5	7744.0	2089.0	1110.2	878.0	897.0
72.5°	655.9	658.9	704.2	857.5	1829.0	6483.2	1894.7	861.9	685.2	615.0	615.0
75°	527.3	527.3	559.5	625.3	819.6	1487.1	831.2	617.9	536.1	490.8	485.0
77.5°	416.3	425.1	449.9	492.3	555.1	715.8	575.6	489.3	432.4	390.0	381.3
80°	309.7	318.5	359.4	379.8	398.8	496.7	425.1	382.8	341.9	292.1	283.4
82.5°	203.1	211.8	263.0	274.6	270.2	324.3	286.4	282.0	251.2	188.5	179.7
85°	132.9	135.8	175.3	182.6	168.0	147.6	182.6	192.8	175.3	122.7	118.3
87.5°	62.8	62.8	89.1	83.3	75.9	61.4	83.3	97.9	99.3	59.9	58.4
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)