

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: P316952

Luminaire Tested: **GAN-SA8A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316952
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-SA8A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30614 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

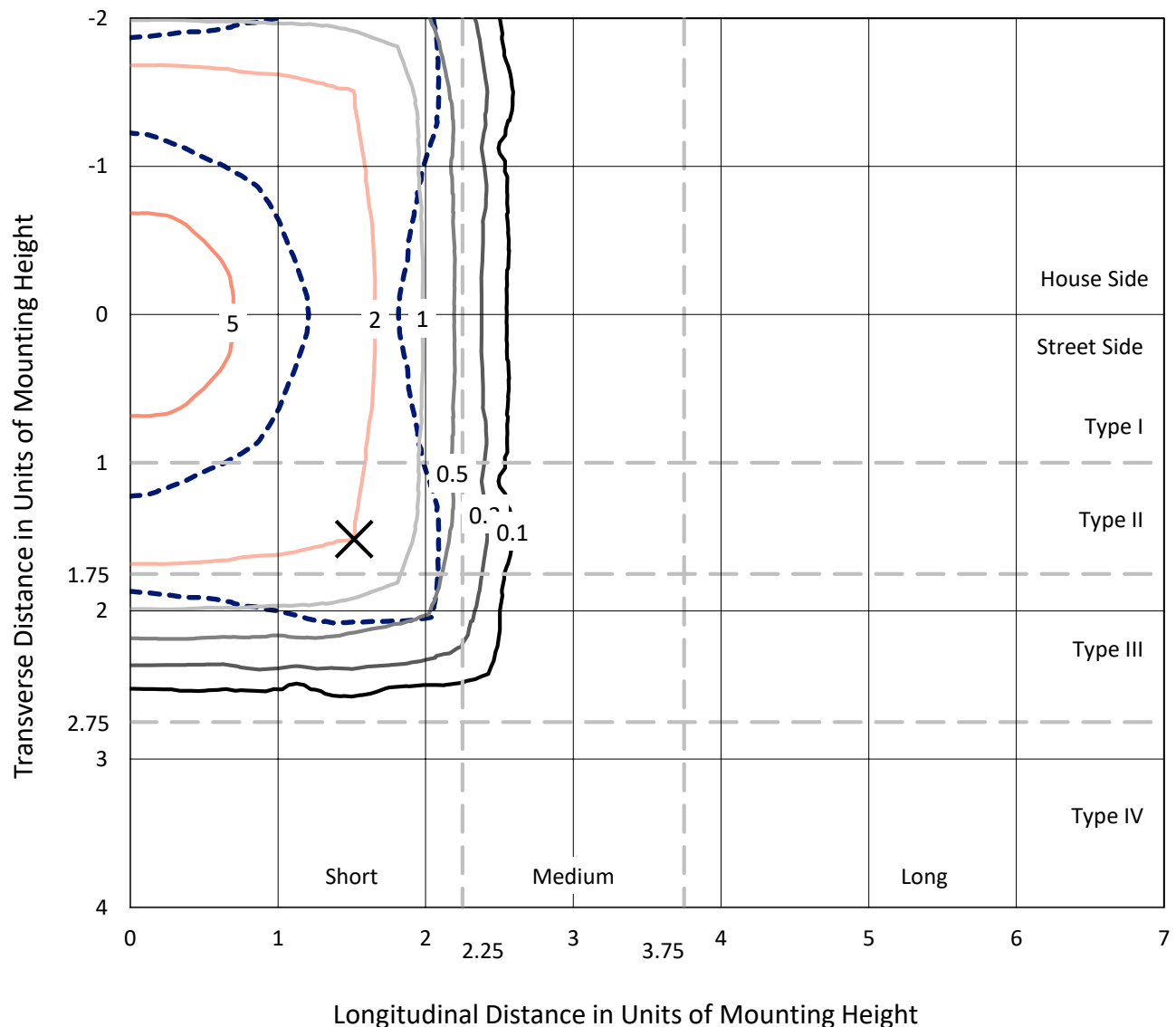
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

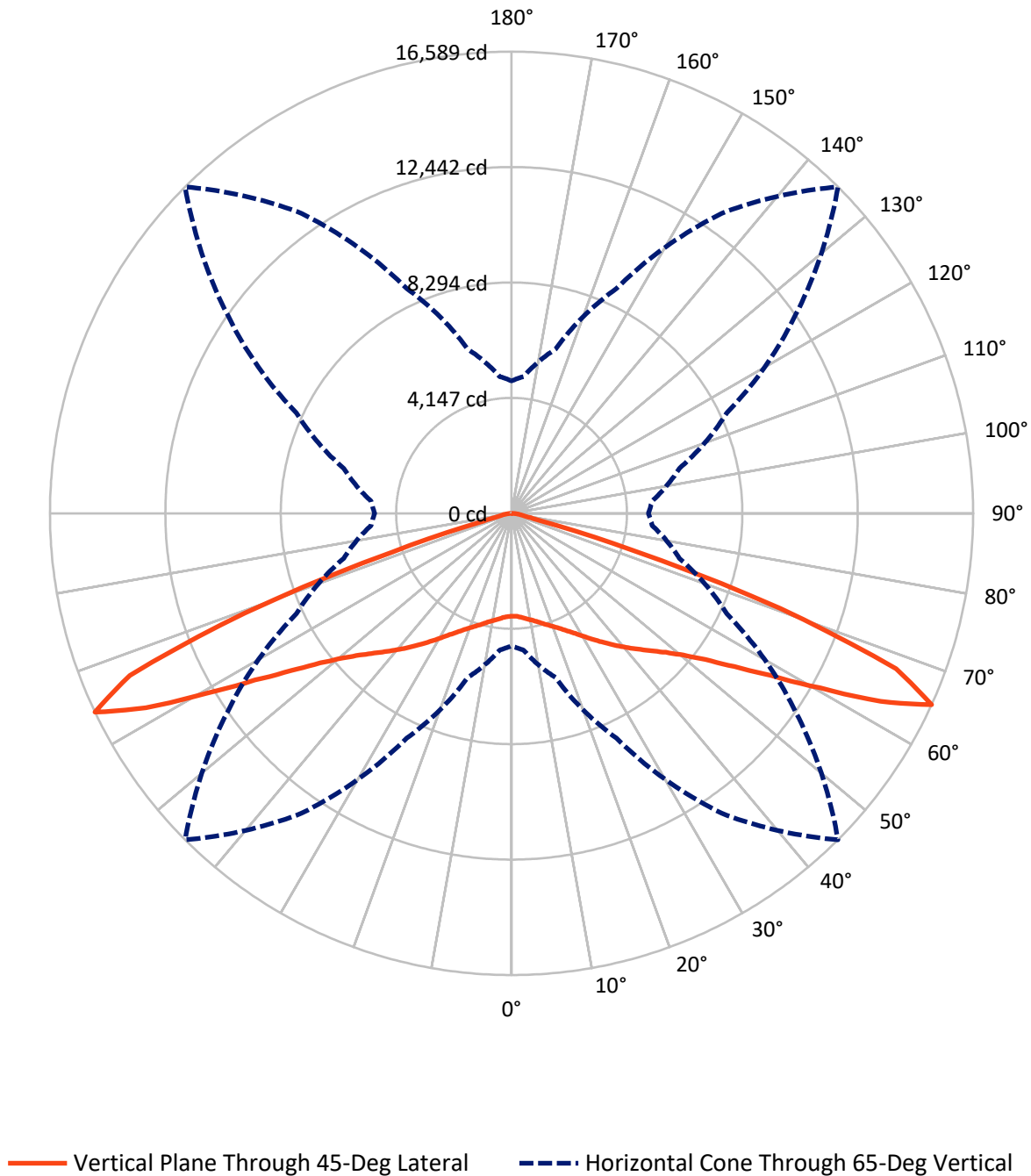
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15307.0	0.0	15307.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15307.0	0.0	15307.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30614.0	0.0	30614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.7	1.2
10°-20°	1165.9	3.8
20°-30°	2187.5	7.1
30°-40°	3617.6	11.8
40°-50°	5603.2	18.3
50°-60°	8593.7	28.1
60°-70°	8018.9	26.2
70°-80°	933.3	3.0
80°-90°	131.1	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°	30614.0	100.0
0°-180°	30614.0	100.0

Coefficient of Utilization



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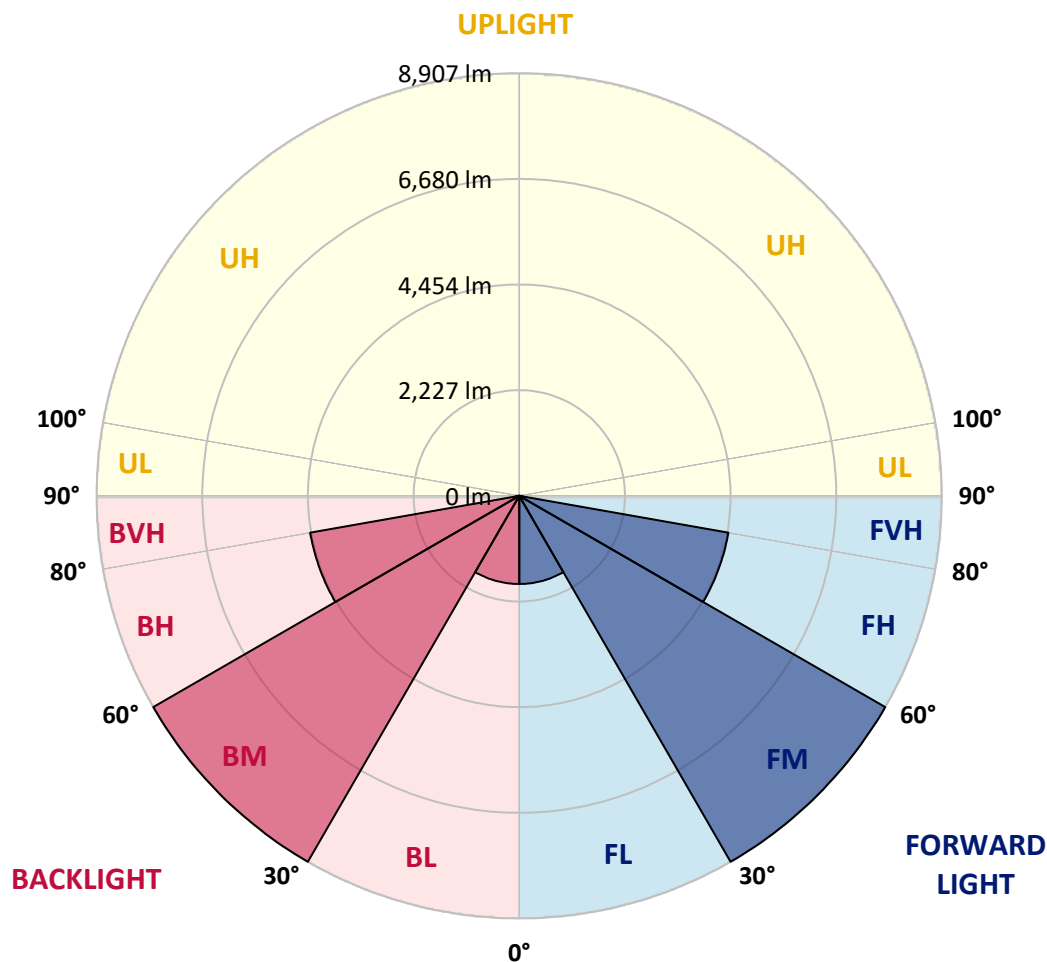
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1858.0	6.1			
FM	(30°-60°)	8907.3	29.1			
FH	(60°-80°)	4476.1	14.6			G2/5000
FVH	(80°-90°)	65.6	0.2			G1/100
BL	(0°-30°)	1858.0	6.1	B3/2500		
BM	(30°-60°)	8907.3	29.1	B5		
BH	(60°-80°)	4476.1	14.6	B4/5000		G2/5000
BVH	(80°-90°)	65.6	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°	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0	3697.0
2.5°	3709.2	3707.2	3709.2	3710.2	3704.1	3707.2	3706.2	3711.3	3713.3	3711.3	3711.3
5°	3751.9	3748.9	3752.9	3758.0	3749.9	3751.9	3748.9	3755.0	3757.0	3752.9	3756.0
7.5°	3810.8	3811.9	3815.9	3825.1	3820.0	3824.1	3818.0	3819.0	3818.0	3811.9	3812.9
10°	3874.9	3875.9	3883.0	3895.2	3897.2	3897.2	3893.2	3890.1	3886.0	3882.0	3883.0
12.5°	3952.1	3957.2	3962.3	3977.5	3977.5	3985.6	3983.6	3975.5	3968.4	3962.3	3962.3
15°	4056.8	4055.8	4061.9	4077.1	4084.2	4097.4	4097.4	4086.2	4077.1	4071.0	4069.0
17.5°	4166.5	4169.6	4173.6	4191.9	4203.1	4218.4	4220.4	4211.2	4205.1	4197.0	4191.9
20°	4294.6	4299.6	4315.9	4323.0	4333.2	4347.4	4352.5	4350.5	4344.4	4340.3	4341.3
22.5°	4444.0	4457.2	4467.3	4477.5	4489.7	4499.8	4504.9	4512.0	4505.9	4502.9	4500.9
25°	4624.8	4634.0	4654.3	4672.6	4680.7	4683.8	4689.9	4700.0	4699.0	4691.9	4691.9
27.5°	4830.1	4847.4	4872.8	4899.2	4899.2	4889.1	4909.4	4926.7	4920.6	4911.4	4899.2
30°	5079.1	5095.4	5124.8	5161.4	5143.1	5136.0	5163.4	5194.9	5185.8	5170.6	5168.5
32.5°	5347.4	5362.6	5401.2	5440.9	5417.5	5407.3	5436.8	5482.5	5466.3	5435.8	5417.5
35°	5638.0	5653.3	5708.1	5755.9	5716.3	5699.0	5723.4	5773.2	5744.7	5687.8	5673.6
37.5°	5954.1	5962.2	6033.3	6082.1	6054.7	6008.9	6039.4	6076.0	6051.6	5982.5	5955.1
40°	6282.3	6311.8	6394.1	6451.0	6403.2	6331.1	6381.9	6432.7	6396.1	6307.7	6261.0
42.5°	6665.4	6687.8	6797.5	6848.3	6771.1	6669.5	6738.6	6807.7	6771.1	6685.7	6645.1
45°	7063.8	7098.3	7229.4	7280.2	7168.5	7039.4	7123.7	7244.7	7241.6	7118.7	7076.0
47.5°	7497.7	7532.3	7688.8	7755.8	7634.9	7462.1	7581.0	7751.8	7739.6	7604.4	7569.9
50°	7998.7	8035.3	8230.4	8314.8	8202.0	8000.7	8179.6	8330.0	8307.6	8141.0	8144.0
52.5°	8627.8	8625.7	8868.6	9014.9	8899.1	8721.2	8885.9	9032.2	8939.7	8709.1	8701.9
55°	9178.5	9212.1	9512.9	9790.3	9783.2	9715.1	9781.2	9787.3	9523.0	9216.1	9178.5
57.5°	9540.3	9604.3	10028.1	10530.1	10906.1	10996.6	10868.5	10480.3	9861.5	9370.6	9310.7
60°	9317.8	9415.3	10081.0	11104.3	12212.0	12743.5	12020.9	10816.7	9598.2	8914.3	8833.0
62.5°	7815.8	7980.4	8955.0	10826.9	13335.9	14889.7	12856.3	10277.1	8551.5	7609.5	7470.3
65°	4760.0	4933.8	6108.5	8911.3	13154.0	16588.9	12475.2	8530.2	6241.7	5069.9	4919.5
67.5°	1586.3	1637.1	2329.2	4925.6	10338.1	14905.0	10355.3	5106.5	2716.4	1800.8	1747.9
70°	620.9	626.0	738.8	1427.8	4881.9	10237.5	5387.0	1453.2	772.3	610.8	624.0
72.5°	456.3	458.3	489.8	596.5	1272.3	4510.0	1318.0	599.6	476.6	427.8	427.8
75°	366.9	366.9	389.2	434.9	570.1	1034.5	578.2	429.9	373.0	341.5	337.4
77.5°	289.6	295.7	313.0	342.5	386.2	498.0	400.4	340.4	300.8	271.3	265.2
80°	215.4	221.5	250.0	264.2	277.4	345.5	295.7	266.3	237.8	203.2	197.1
82.5°	141.3	147.4	182.9	191.1	188.0	225.6	199.2	196.1	174.8	131.1	125.0
85°	92.5	94.5	121.9	127.0	116.9	102.6	127.0	134.1	121.9	85.4	82.3
87.5°	43.7	43.7	62.0	57.9	52.8	42.7	57.9	68.1	69.1	41.7	40.6
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)