

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: P317269

Luminaire Tested: **GAN-SA5A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18919 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

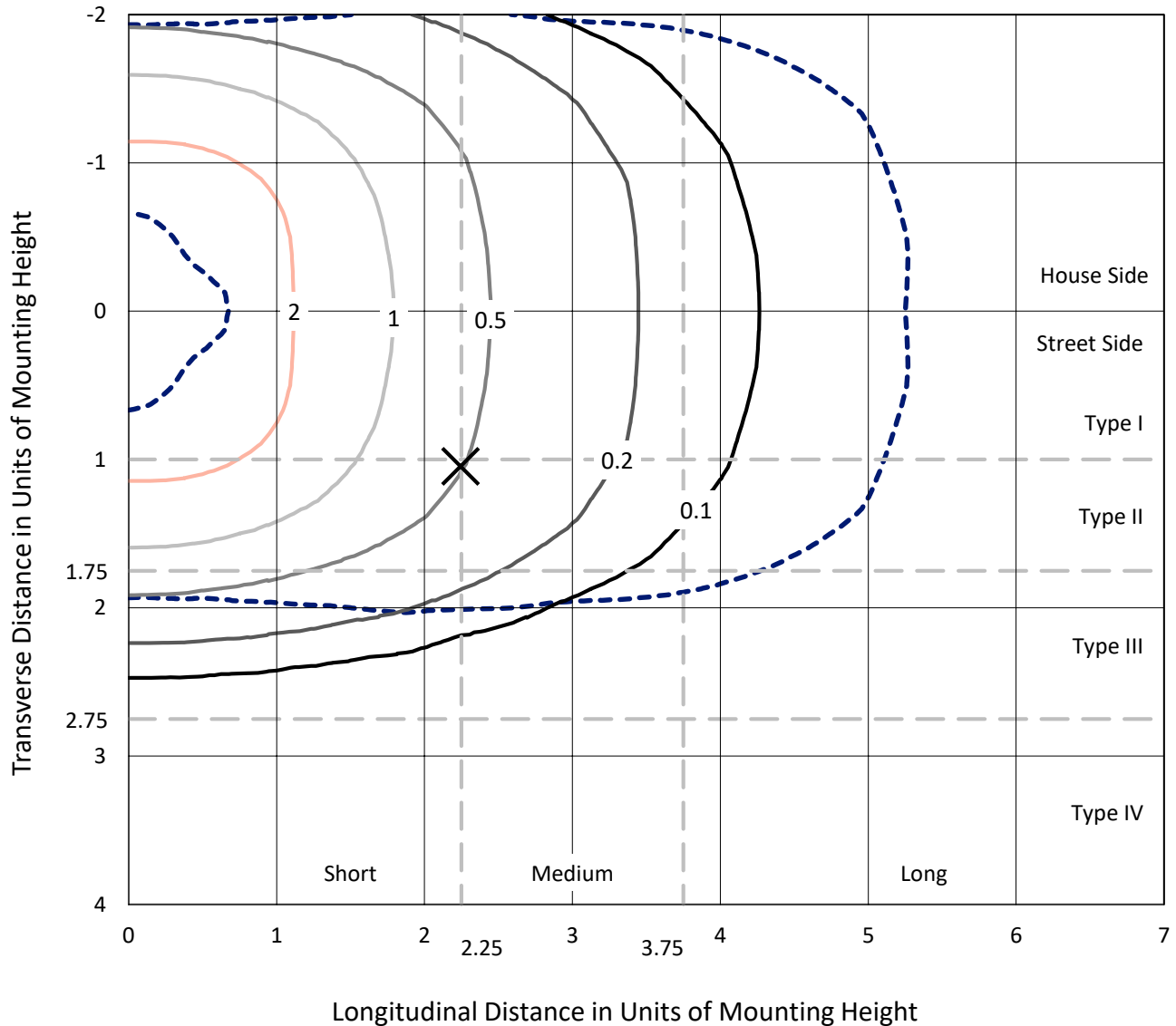
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317269
 CATALOG NUMBER: GAN-SA5A-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

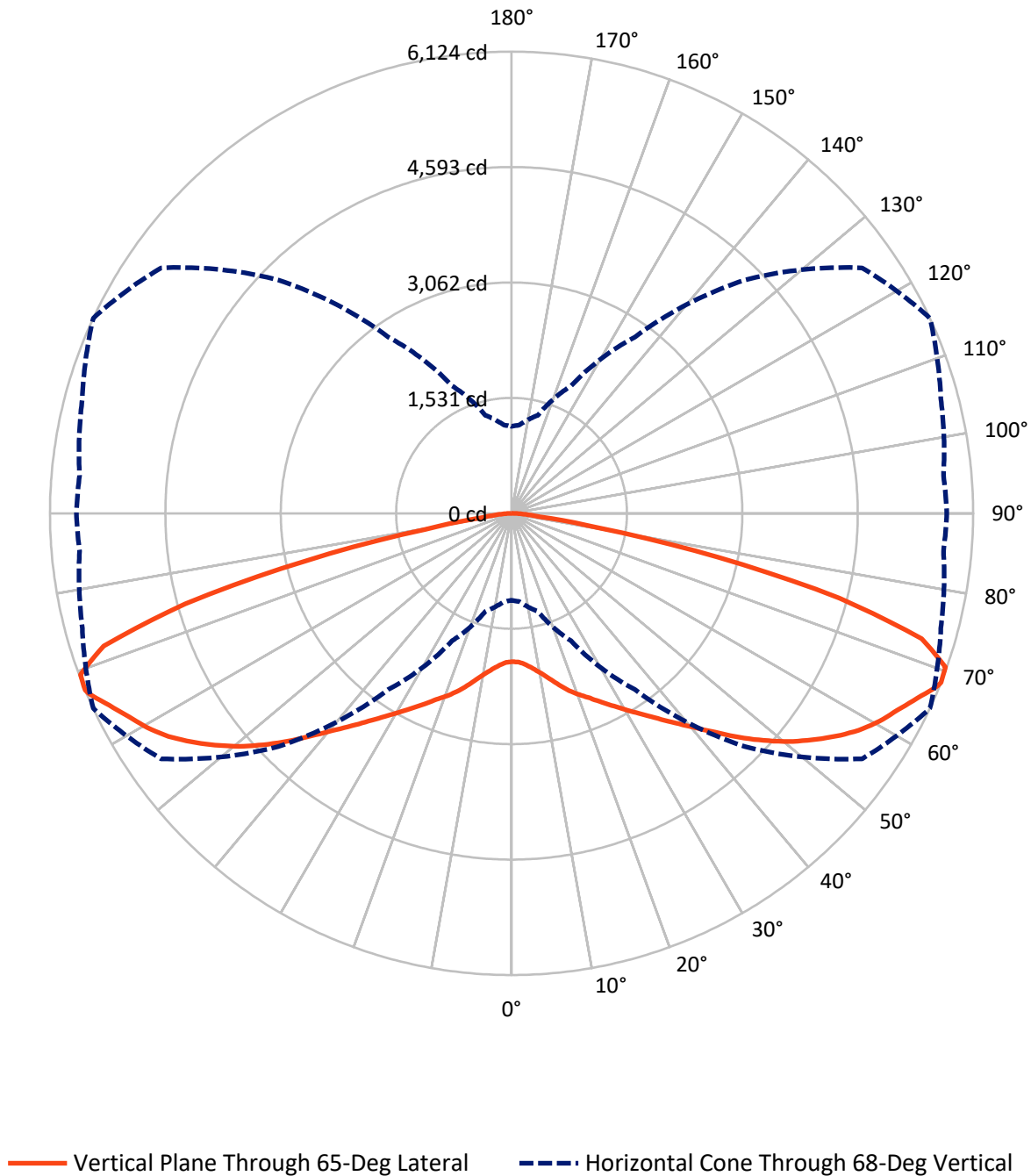
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P317269
CATALOG NUMBER: GAN-SA5A-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317269

CATALOG NUMBER: GAN-SA5A-830-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9459.5	0.0	9459.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9459.5	0.0	9459.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18919.0	0.0	18919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	1.0
10°-20°	644.9	3.4
20°-30°	1257.4	6.6
30°-40°	2112.3	11.2
40°-50°	3328.2	17.6
50°-60°	4450.9	23.5
60°-70°	4326.9	22.9
70°-80°	2365.3	12.5
80°-90°	240.6	1.3
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°	18919.0	100.0
0°-180°	18919.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317269

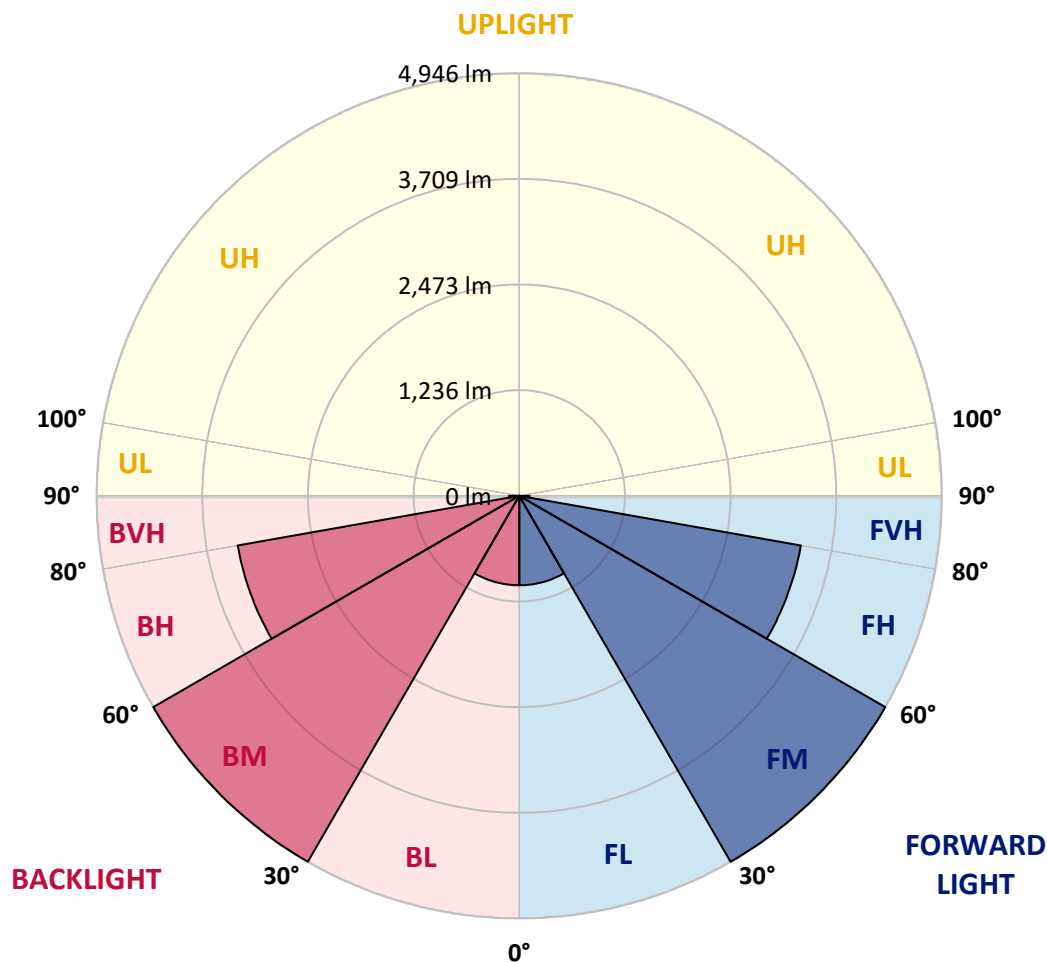
CATALOG NUMBER: GAN-SA5A-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1047.4	5.5			
FM	(30°-60°)	4945.7	26.1			
FH	(60°-80°)	3346.1	17.7			G2/5000
FVH	(80°-90°)	120.3	0.6			G2/225
BL	(0°-30°)	1047.4	5.5	B3/2500		
BM	(30°-60°)	4945.7	26.1	B3/5000		
BH	(60°-80°)	3346.1	17.7	B4/5000		G4/5000
BVH	(80°-90°)	120.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P317269

CATALOG NUMBER: GAN-SA5A-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1	1967.1
2.5°	1953.2	1953.8	1957.0	1960.8	1964.0	1972.2	1974.1	1977.3	1978.5	1981.7	1981.7
5°	1936.0	1937.3	1944.9	1955.1	1966.5	1986.8	2001.4	2017.9	2026.1	2035.0	2034.4
7.5°	1934.1	1937.3	1948.1	1964.6	1983.6	2017.2	2047.7	2080.7	2102.9	2123.2	2121.9
10°	1953.8	1958.9	1974.1	1998.8	2027.4	2069.3	2114.3	2158.7	2197.4	2228.5	2229.8
12.5°	1983.6	1990.0	2014.1	2051.5	2094.6	2148.6	2201.8	2252.0	2305.2	2351.5	2355.4
15°	2023.0	2031.2	2067.4	2123.2	2189.2	2253.2	2310.3	2361.7	2423.2	2487.3	2493.6
17.5°	2081.3	2092.7	2140.3	2215.8	2302.7	2373.1	2432.7	2471.4	2522.8	2588.8	2600.9
20°	2170.1	2184.7	2245.0	2335.1	2441.0	2514.6	2560.3	2568.5	2593.9	2652.9	2666.8
22.5°	2285.6	2298.3	2365.5	2472.7	2591.3	2671.3	2695.4	2662.4	2659.8	2707.4	2720.7
25°	2414.4	2425.8	2503.8	2624.3	2751.8	2840.0	2839.4	2775.3	2730.9	2767.7	2781.6
27.5°	2559.0	2576.7	2651.6	2778.5	2914.9	3001.8	2996.7	2897.7	2813.4	2822.9	2834.9
30°	2725.2	2744.8	2817.8	2946.6	3083.0	3168.0	3161.6	3030.9	2904.1	2878.7	2887.6
32.5°	2931.3	2954.8	3024.0	3150.8	3271.4	3348.1	3329.7	3175.6	3013.2	2958.0	2966.2
35°	3179.4	3193.3	3266.3	3391.3	3488.9	3541.6	3502.9	3343.0	3151.5	3084.9	3084.9
37.5°	3430.6	3441.4	3523.2	3644.4	3738.9	3766.8	3691.3	3526.4	3332.3	3237.7	3239.6
40°	3671.6	3700.8	3792.8	3917.1	4010.4	4018.0	3917.8	3735.7	3533.4	3435.7	3447.1
42.5°	3923.5	3952.0	4061.8	4202.6	4285.1	4297.7	4180.4	3970.4	3760.4	3681.2	3693.8
45°	4148.0	4170.9	4297.7	4461.4	4564.2	4597.2	4458.2	4239.4	4005.9	3928.6	3931.7
47.5°	4304.7	4334.5	4474.1	4666.9	4816.6	4867.4	4731.0	4501.4	4247.6	4153.7	4162.0
50°	4446.8	4462.7	4604.1	4814.7	5005.1	5109.7	4993.0	4760.2	4491.9	4392.3	4401.1
52.5°	4526.1	4546.4	4683.4	4902.9	5128.1	5296.9	5225.8	4993.0	4727.8	4630.8	4641.6
55°	4470.9	4486.1	4650.4	4922.6	5204.2	5412.3	5423.1	5220.7	4959.4	4874.4	4904.8
57.5°	4219.7	4238.8	4439.2	4795.7	5213.8	5490.3	5571.5	5432.0	5175.7	5106.5	5124.3
60°	3827.1	3839.1	4052.9	4453.8	5028.5	5522.7	5666.0	5604.5	5387.6	5318.4	5342.5
62.5°	3127.4	3145.1	3400.8	3938.1	4637.1	5426.9	5757.4	5747.2	5584.8	5521.4	5543.0
65°	2137.8	2168.9	2451.8	3131.2	4033.9	5133.8	5840.5	5913.4	5759.3	5679.4	5707.9
67.5°	1290.9	1313.7	1518.6	2067.4	3086.8	4542.6	5754.9	6102.5	5882.4	5753.6	5777.1
68°	1153.9	1174.8	1346.1	1865.6	2855.2	4375.8	5676.8	6124.1	5895.7	5752.3	5773.3
70°	697.2	711.1	825.9	1153.3	1903.7	3471.2	5144.6	6106.3	5980.7	5770.1	5782.1
72.5°	454.2	458.6	477.7	591.9	972.5	1941.1	3861.3	5690.2	6108.2	5873.5	5871.6
75°	377.4	374.9	376.8	390.1	479.6	851.3	2256.4	4495.0	5822.7	5710.5	5670.5
77.5°	319.1	317.2	316.5	317.2	321.0	411.1	979.4	2800.0	4455.7	5051.4	5086.9
80°	258.2	255.6	263.9	260.1	248.7	255.6	410.4	1164.7	2100.3	2259.6	2117.5
82.5°	187.8	178.3	213.8	203.6	194.1	180.2	226.5	376.2	501.1	343.8	241.7
85°	144.6	134.5	162.4	156.1	133.2	92.0	134.5	184.0	203.0	116.1	91.3
87.5°	59.0	62.2	117.4	92.6	78.0	44.4	55.2	73.6	99.0	49.5	38.1
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)