

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: P317287

Luminaire Tested: **GAN-SA3C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317287
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-SA3C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17540 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 166
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



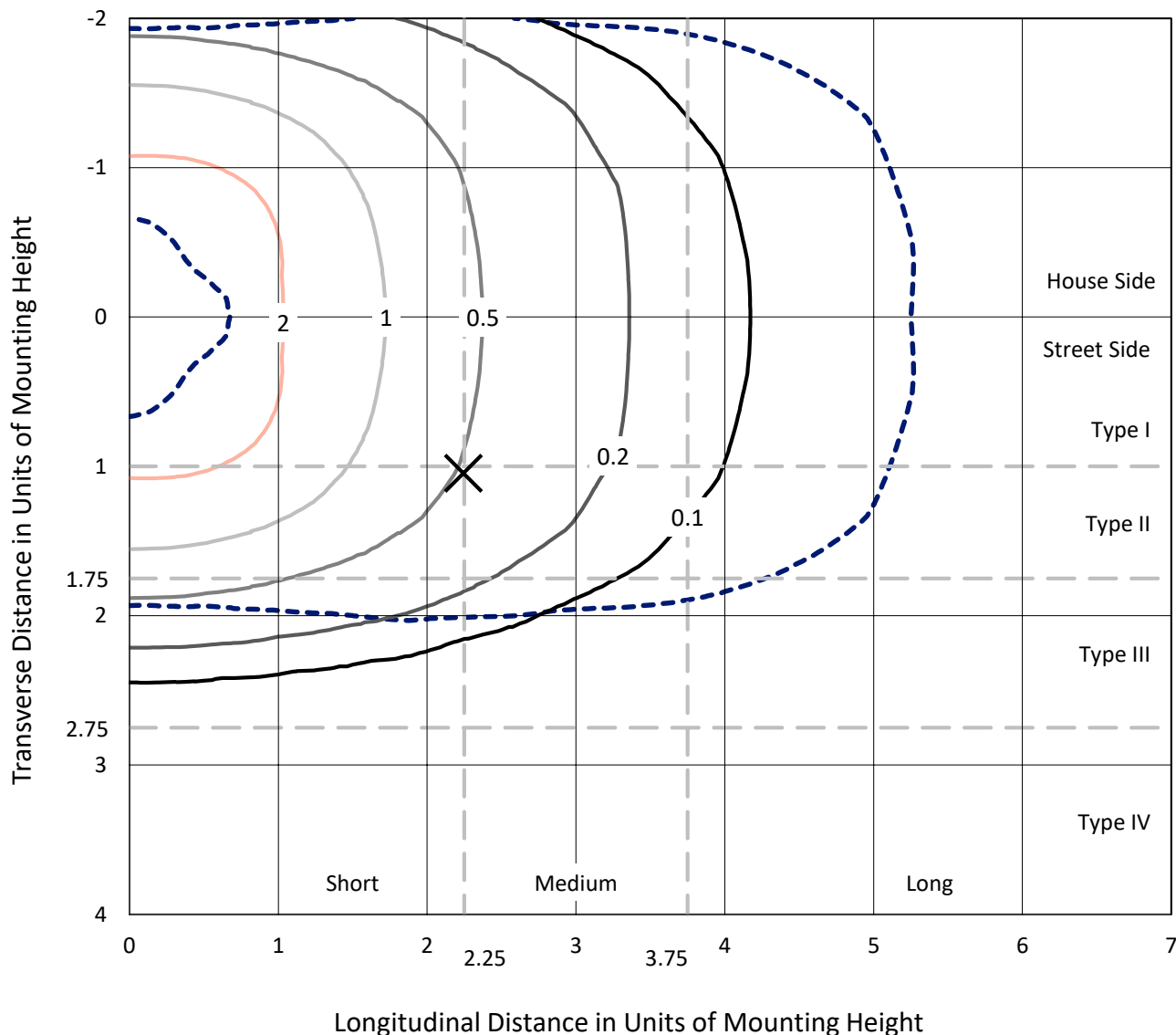
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

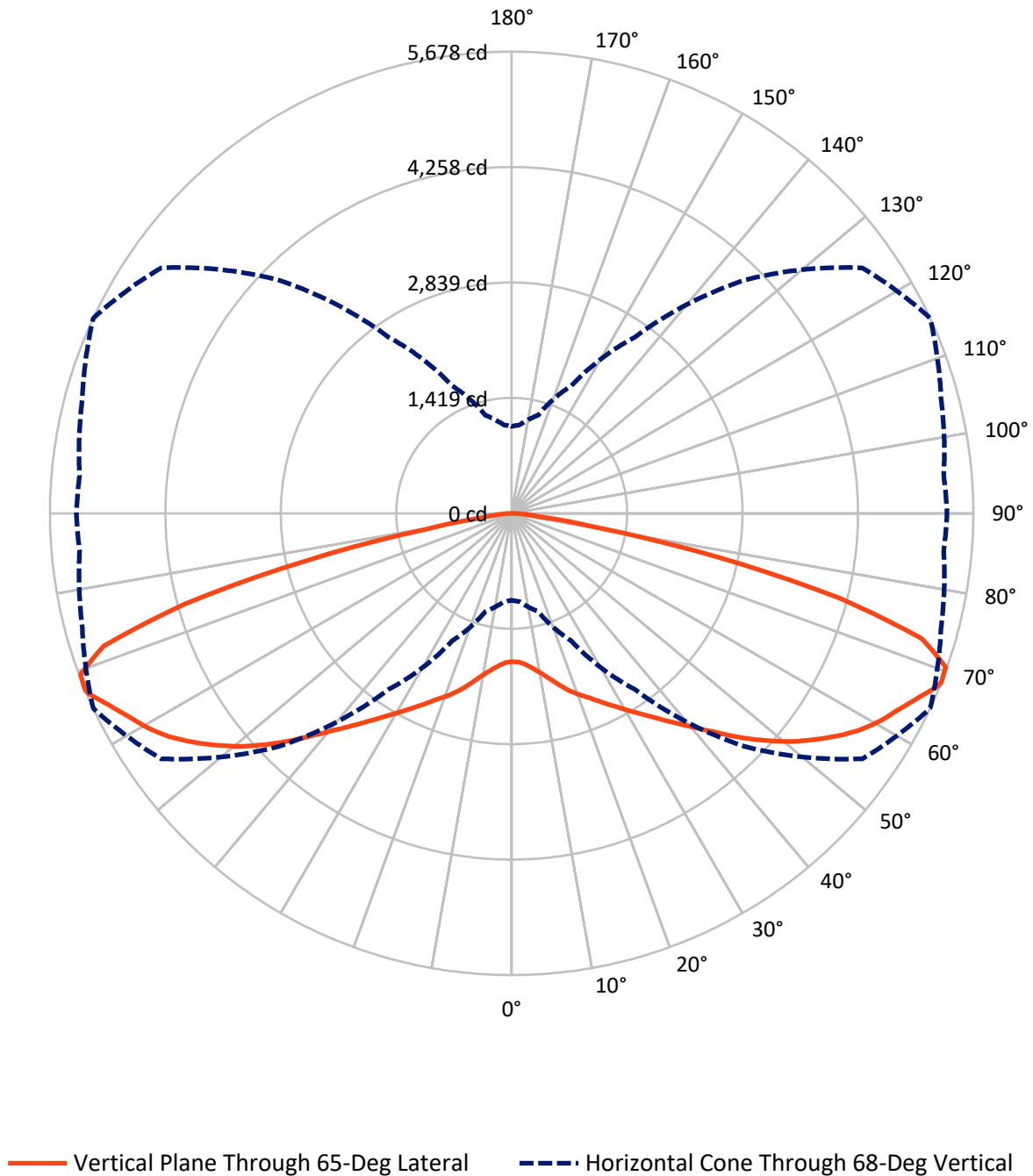
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8770.0	0.0	8770.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8770.0	0.0	8770.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17540.0	0.0	17540.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.0
10°-20°	597.9	3.4
20°-30°	1165.7	6.6
30°-40°	1958.3	11.2
40°-50°	3085.6	17.6
50°-60°	4126.5	23.5
60°-70°	4011.5	22.9
70°-80°	2192.9	12.5
80°-90°	223.0	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°	17540.0	100.0
0°-180°	17540.0	100.0

Coefficient of Utilization



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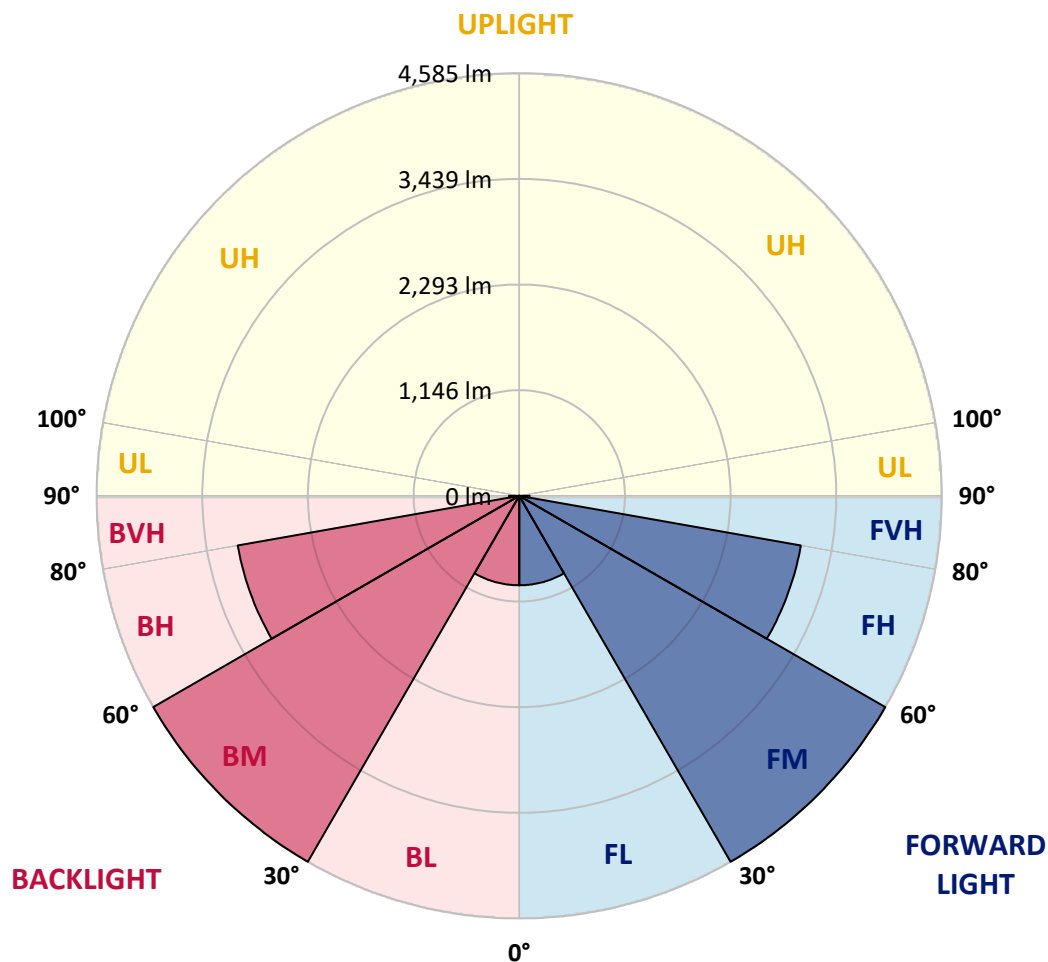
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	971.1	5.5			
FM	(30°-60°)	4585.2	26.1			
FH	(60°-80°)	3102.2	17.7			G2/5000
FVH	(80°-90°)	111.5	0.6			G2/225
BL	(0°-30°)	971.1	5.5	B2/1000		
BM	(30°-60°)	4585.2	26.1	B3/5000		
BH	(60°-80°)	3102.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	111.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7	1823.7
2.5°	1810.8	1811.4	1814.3	1817.9	1820.8	1828.5	1830.2	1833.2	1834.3	1837.3	1837.3
5°	1794.9	1796.1	1803.2	1812.6	1823.2	1842.0	1855.5	1870.8	1878.4	1886.7	1886.1
7.5°	1793.2	1796.1	1806.1	1821.4	1839.0	1870.2	1898.4	1929.0	1949.6	1968.4	1967.2
10°	1811.4	1816.1	1830.2	1853.2	1879.6	1918.4	1960.2	2001.4	2037.2	2066.1	2067.2
12.5°	1839.0	1844.9	1867.3	1902.0	1942.0	1991.9	2041.4	2087.8	2137.2	2180.1	2183.7
15°	1875.5	1883.1	1916.7	1968.4	2029.6	2089.0	2141.9	2189.6	2246.6	2306.0	2311.9
17.5°	1929.6	1940.2	1984.3	2054.3	2134.9	2200.1	2255.4	2291.3	2338.9	2400.1	2411.3
20°	2011.9	2025.5	2081.3	2164.9	2263.1	2331.3	2373.6	2381.3	2404.8	2459.5	2472.4
22.5°	2119.0	2130.7	2193.1	2292.5	2402.5	2476.6	2498.9	2468.3	2466.0	2510.1	2522.4
25°	2238.4	2249.0	2321.3	2433.0	2551.2	2633.0	2632.4	2573.0	2531.8	2565.9	2578.9
27.5°	2372.5	2388.9	2458.3	2575.9	2702.4	2783.0	2778.3	2686.5	2608.3	2617.1	2628.3
30°	2526.5	2544.8	2612.4	2731.8	2858.2	2937.1	2931.2	2810.0	2692.4	2668.9	2677.1
32.5°	2717.7	2739.4	2803.5	2921.2	3032.9	3104.1	3087.0	2944.1	2793.6	2742.4	2750.0
35°	2947.6	2960.6	3028.2	3144.1	3234.6	3283.5	3247.6	3099.4	2921.8	2860.0	2860.0
37.5°	3180.5	3190.5	3266.4	3378.7	3466.4	3492.2	3422.2	3269.3	3089.4	3001.7	3003.5
40°	3404.0	3431.1	3516.3	3631.6	3718.1	3725.1	3632.2	3463.4	3275.8	3185.2	3195.8
42.5°	3637.5	3664.0	3765.7	3896.3	3972.7	3984.5	3875.7	3681.0	3486.4	3412.8	3424.6
45°	3845.7	3866.9	3984.5	4136.2	4231.5	4262.1	4133.3	3930.4	3714.0	3642.2	3645.1
47.5°	3991.0	4018.6	4148.0	4326.8	4465.6	4512.6	4386.2	4173.3	3938.0	3851.0	3858.6
50°	4122.7	4137.4	4268.5	4463.8	4640.2	4737.3	4629.1	4413.2	4164.4	4072.1	4080.3
52.5°	4196.2	4215.0	4342.1	4545.5	4754.3	4910.8	4844.9	4629.1	4383.2	4293.2	4303.2
55°	4145.0	4159.2	4311.5	4563.8	4824.9	5017.8	5027.8	4840.2	4597.9	4519.1	4547.3
57.5°	3912.1	3929.8	4115.6	4446.2	4833.7	5090.1	5165.4	5036.0	4798.4	4734.3	4750.8
60°	3548.1	3559.3	3757.5	4129.2	4662.0	5120.1	5253.1	5196.0	4994.9	4930.8	4953.1
62.5°	2899.4	2915.9	3152.9	3651.0	4299.1	5031.3	5337.7	5328.3	5177.8	5119.0	5139.0
65°	1982.0	2010.8	2273.1	2902.9	3739.8	4759.6	5414.8	5482.4	5339.5	5265.4	5291.9
67.5°	1196.8	1218.0	1407.9	1916.7	2861.8	4211.5	5335.4	5657.7	5453.6	5334.2	5356.0
68°	1069.8	1089.2	1248.0	1729.6	2647.1	4056.8	5263.0	5677.7	5465.9	5333.0	5352.4
70°	646.3	659.3	765.7	1069.2	1764.9	3218.2	4769.6	5661.2	5544.8	5349.5	5360.7
72.5°	421.1	425.2	442.9	548.7	901.6	1799.6	3579.9	5275.4	5663.0	5445.4	5443.6
75°	349.9	347.6	349.3	361.7	444.6	789.3	2091.9	4167.4	5398.3	5294.2	5257.2
77.5°	295.8	294.1	293.5	294.1	297.6	381.1	908.1	2595.9	4130.9	4683.2	4716.1
80°	239.4	237.0	244.7	241.1	230.5	237.0	380.5	1079.8	1947.3	2094.9	1963.1
82.5°	174.1	165.3	198.2	188.8	180.0	167.0	210.0	348.8	464.6	318.8	224.1
85°	134.1	124.7	150.6	144.7	123.5	85.3	124.7	170.6	188.2	107.6	84.7
87.5°	54.7	57.6	108.8	85.9	72.3	41.2	51.2	68.2	91.7	45.9	35.3
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)