

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: P316957

Luminaire Tested: **GAN-SA3B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316957
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-SA3B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 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: 14301 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

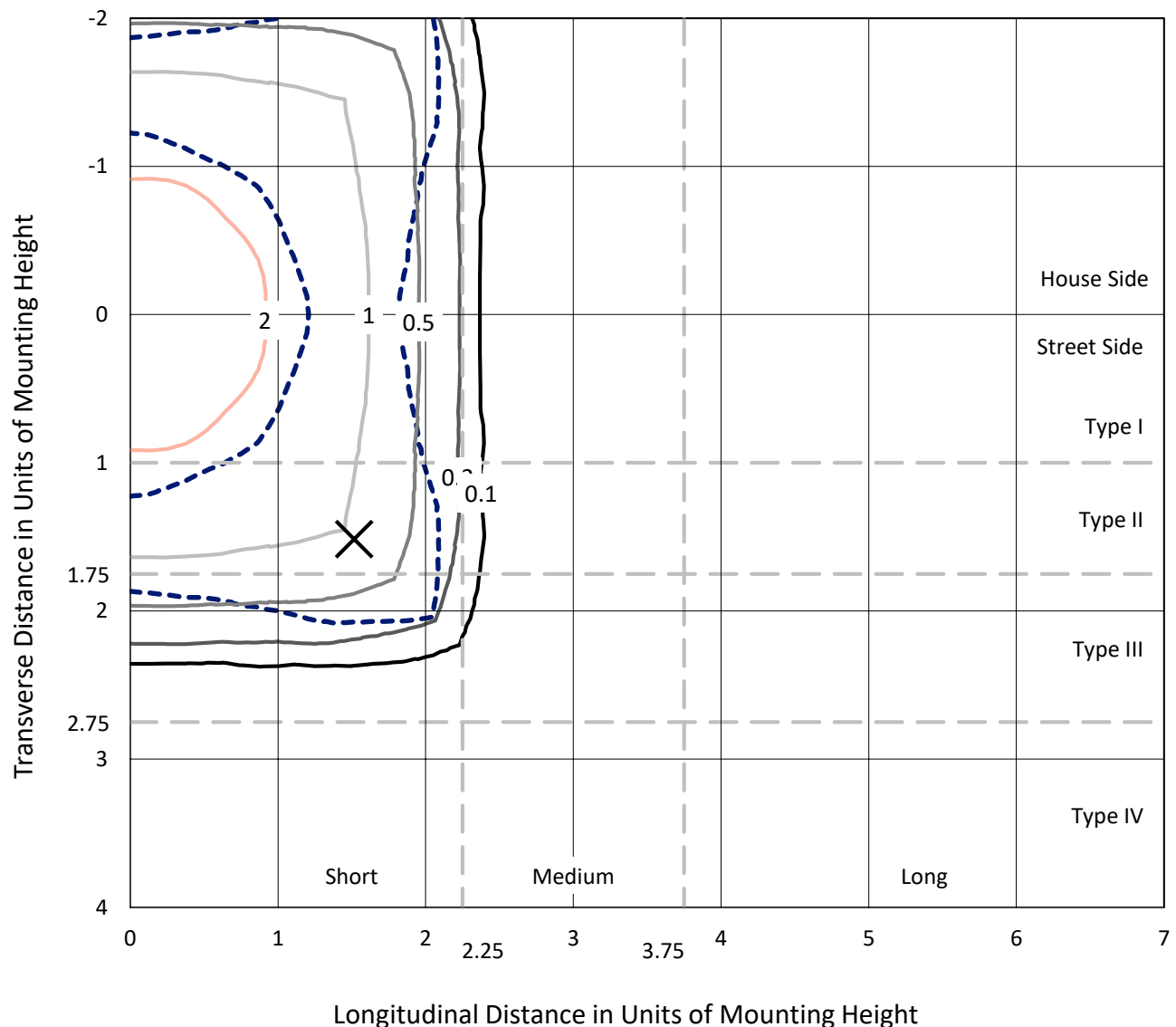
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

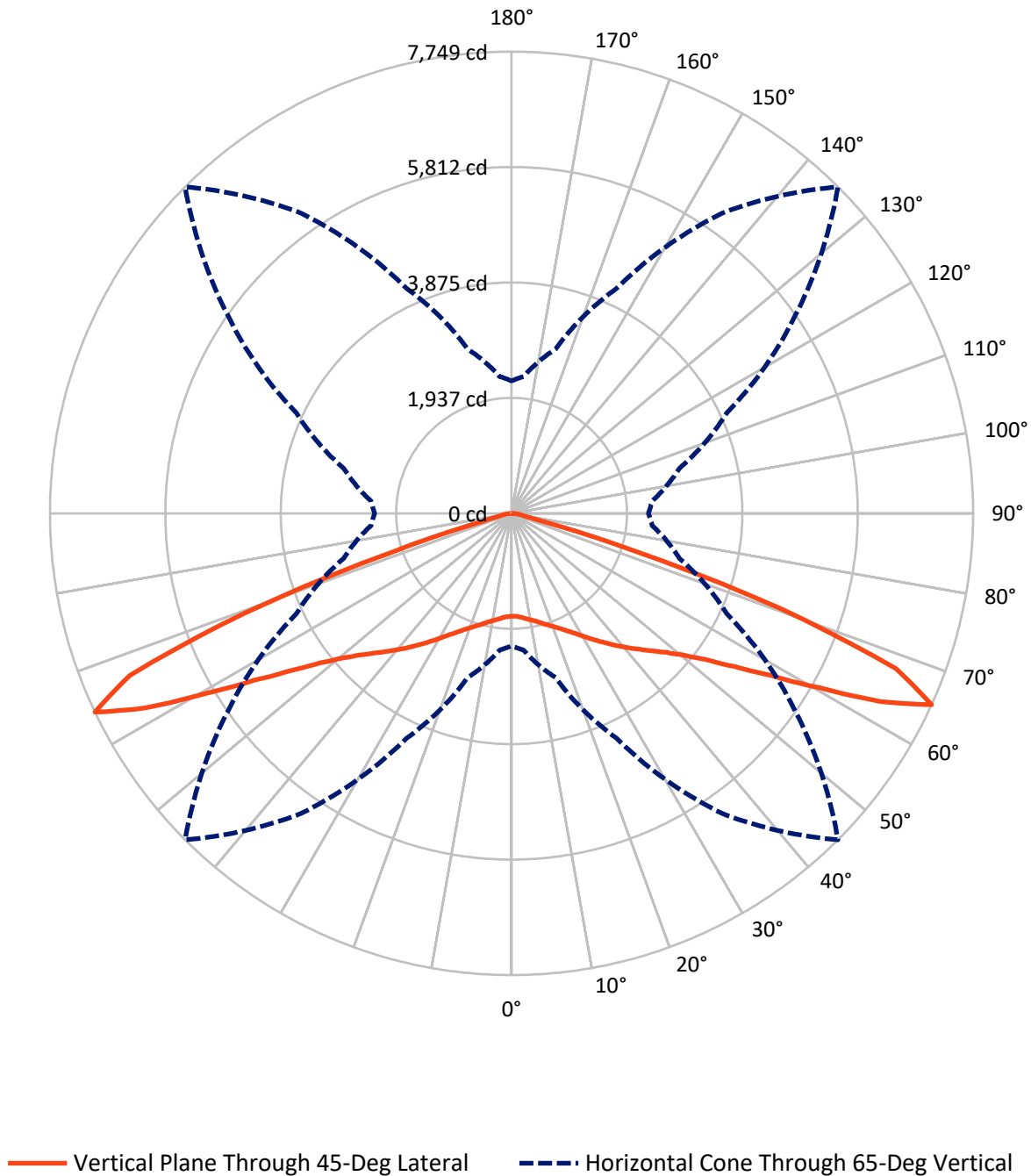
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7150.5	0.0	7150.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7150.5	0.0	7150.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14301.0	0.0	14301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	1.2
10°-20°	544.6	3.8
20°-30°	1021.8	7.1
30°-40°	1689.9	11.8
40°-50°	2617.5	18.3
50°-60°	4014.5	28.1
60°-70°	3746.0	26.2
70°-80°	436.0	3.0
80°-90°	61.3	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°	14301.0	100.0
0°-180°	14301.0	100.0

Coefficient of Utilization



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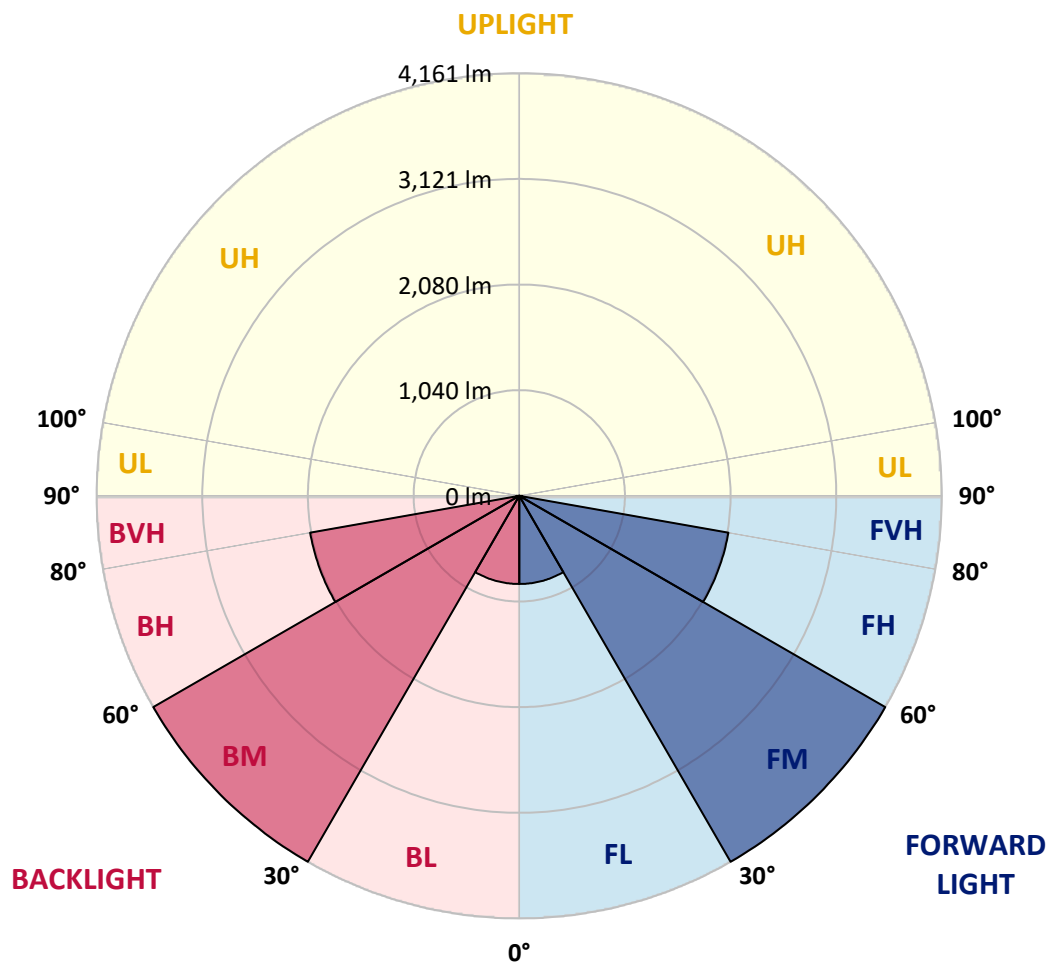
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	868.0	6.1			
FM	(30°-60°)	4160.9	29.1			
FH	(60°-80°)	2091.0	14.6			G2/5000
FVH	(80°-90°)	30.6	0.2			G1/100
BL	(0°-30°)	868.0	6.1	B2/1000		
BM	(30°-60°)	4160.9	29.1	B3/5000		
BH	(60°-80°)	2091.0	14.6	B3/2500		G2/5000
BVH	(80°-90°)	30.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0	1727.0
2.5°	1732.7	1731.8	1732.7	1733.2	1730.3	1731.8	1731.3	1733.7	1734.6	1733.7	1733.7
5°	1752.7	1751.2	1753.1	1755.5	1751.7	1752.7	1751.2	1754.1	1755.0	1753.1	1754.6
7.5°	1780.2	1780.7	1782.6	1786.8	1784.5	1786.4	1783.5	1784.0	1783.5	1780.7	1781.1
10°	1810.1	1810.6	1813.9	1819.6	1820.5	1820.5	1818.6	1817.2	1815.3	1813.4	1813.9
12.5°	1846.2	1848.6	1850.9	1858.0	1858.0	1861.8	1860.9	1857.1	1853.8	1850.9	1850.9
15°	1895.1	1894.6	1897.5	1904.6	1907.9	1914.1	1914.1	1908.8	1904.6	1901.7	1900.8
17.5°	1946.3	1947.8	1949.7	1958.2	1963.4	1970.6	1971.5	1967.2	1964.4	1960.6	1958.2
20°	2006.2	2008.5	2016.1	2019.5	2024.2	2030.8	2033.2	2032.3	2029.4	2027.5	2028.0
22.5°	2075.9	2082.1	2086.9	2091.6	2097.3	2102.1	2104.4	2107.8	2104.9	2103.5	2102.5
25°	2160.4	2164.7	2174.2	2182.8	2186.6	2188.0	2190.8	2195.6	2195.1	2191.8	2191.8
27.5°	2256.3	2264.4	2276.3	2288.6	2288.6	2283.9	2293.4	2301.4	2298.6	2294.3	2288.6
30°	2372.6	2380.2	2394.0	2411.1	2402.6	2399.2	2412.0	2426.8	2422.5	2415.4	2414.4
32.5°	2498.0	2505.1	2523.1	2541.6	2530.7	2526.0	2539.7	2561.1	2553.5	2539.3	2530.7
35°	2633.7	2640.9	2666.5	2688.8	2670.3	2662.2	2673.6	2696.9	2683.6	2657.0	2650.4
37.5°	2781.4	2785.2	2818.4	2841.2	2828.4	2807.0	2821.3	2838.3	2827.0	2794.7	2781.9
40°	2934.7	2948.5	2986.9	3013.5	2991.2	2957.5	2981.2	3005.0	2987.9	2946.6	2924.7
42.5°	3113.7	3124.1	3175.4	3199.1	3163.1	3115.6	3147.9	3180.1	3163.1	3123.2	3104.2
45°	3299.8	3315.9	3377.1	3400.9	3348.7	3288.4	3327.8	3384.3	3382.8	3325.4	3305.5
47.5°	3502.5	3518.6	3591.7	3623.1	3566.6	3485.9	3541.4	3621.2	3615.5	3552.3	3536.2
50°	3736.5	3753.6	3844.7	3884.1	3831.5	3737.5	3821.0	3891.3	3880.8	3803.0	3804.4
52.5°	4030.4	4029.4	4142.9	4211.2	4157.1	4074.0	4150.9	4219.3	4176.1	4068.3	4065.0
55°	4287.7	4303.3	4443.8	4573.4	4570.1	4538.3	4569.2	4572.0	4448.6	4305.2	4287.7
57.5°	4456.7	4486.6	4684.5	4919.0	5094.7	5136.9	5077.1	4895.8	4606.7	4377.4	4349.4
60°	4352.7	4398.3	4709.2	5187.3	5704.7	5953.0	5615.4	5052.9	4483.7	4164.2	4126.3
62.5°	3651.1	3728.0	4183.2	5057.7	6229.7	6955.6	6005.7	4800.8	3994.8	3554.7	3489.7
65°	2223.6	2304.8	2853.5	4162.8	6144.8	7749.3	5827.6	3984.8	2915.7	2368.4	2298.1
67.5°	741.0	764.8	1088.1	2301.0	4829.3	6962.7	4837.4	2385.5	1268.9	841.2	816.5
70°	290.1	292.4	345.1	667.0	2280.5	4782.3	2516.5	678.8	360.8	285.3	291.5
72.5°	213.1	214.1	228.8	278.7	594.3	2106.8	615.7	280.1	222.6	199.9	199.9
75°	171.4	171.4	181.8	203.2	266.3	483.3	270.1	200.8	174.2	159.5	157.6
77.5°	135.3	138.1	146.2	160.0	180.4	232.6	187.0	159.0	140.5	126.7	123.9
80°	100.6	103.5	116.8	123.4	129.6	161.4	138.1	124.4	111.1	94.9	92.1
82.5°	66.0	68.8	85.4	89.2	87.8	105.4	93.0	91.6	81.7	61.2	58.4
85°	43.2	44.1	57.0	59.3	54.6	47.9	59.3	62.7	57.0	39.9	38.5
87.5°	20.4	20.4	29.0	27.1	24.7	19.9	27.1	31.8	32.3	19.5	19.0
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)