

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: P316557

Luminaire Tested: **GAN-SA3B-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18328 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - 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

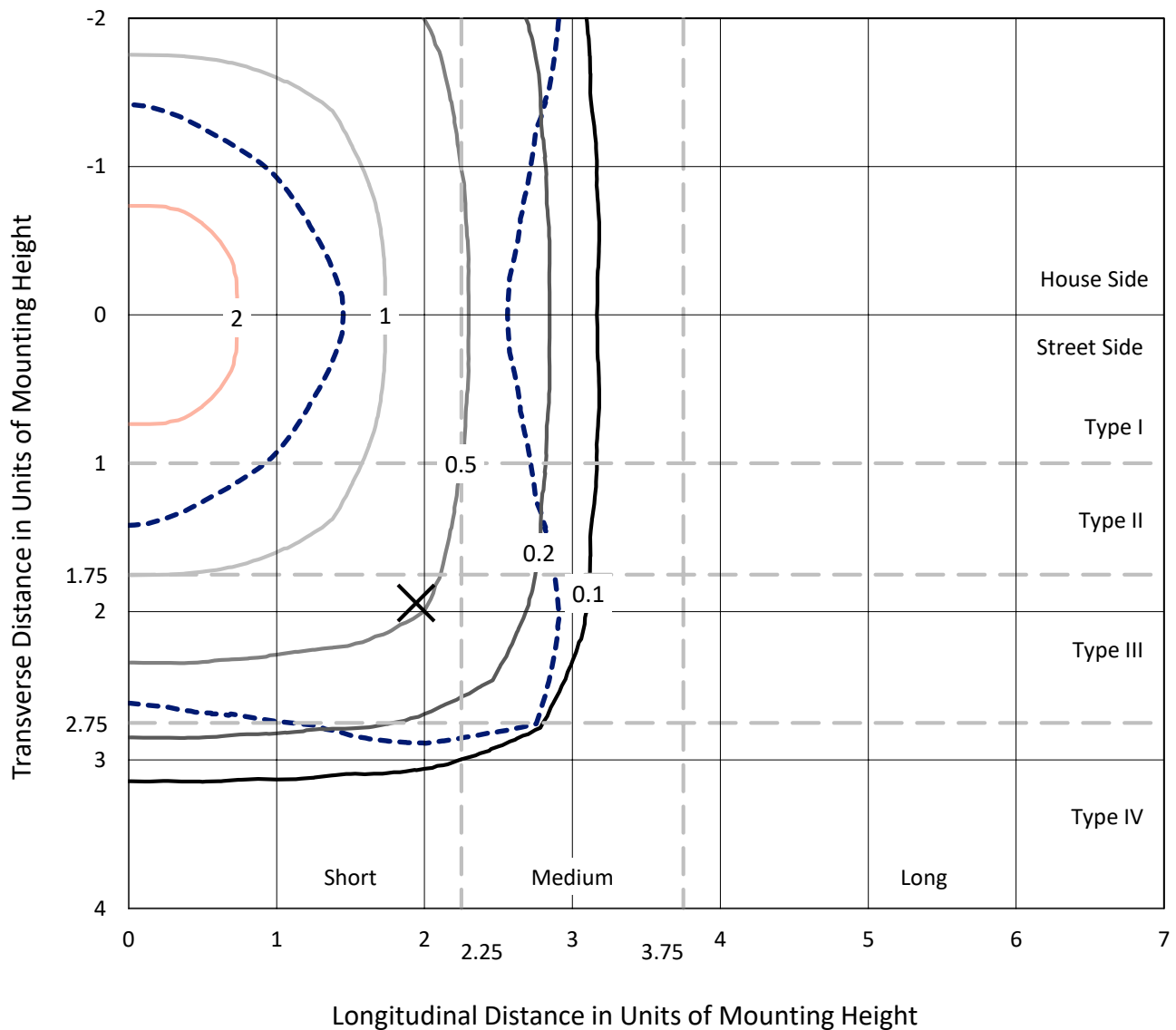


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Iso-Footcandle Lines of Horizontal Illumination

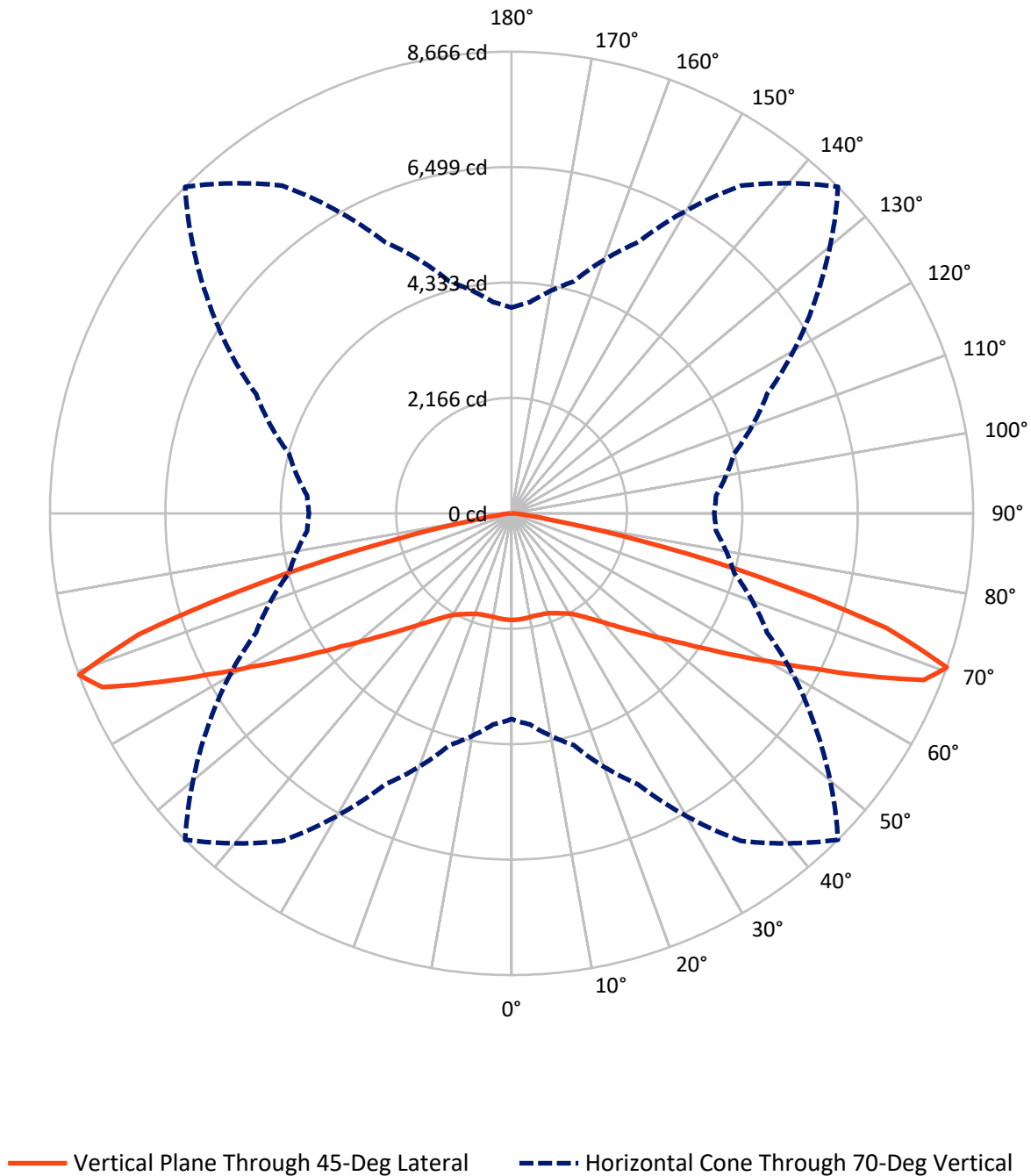
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	9164.0	0.0	9164.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9164.0	0.0	9164.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18328.0	0.0	18328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.6	1.0
10°-20°	556.6	3.0
20°-30°	947.5	5.2
30°-40°	1502.7	8.2
40°-50°	2445.3	13.3
50°-60°	4031.8	22.0
60°-70°	5918.8	32.3
70°-80°	2617.3	14.3
80°-90°	118.5	0.6
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°	18328.0	100.0
0°-180°	18328.0	100.0

Coefficient of Utilization



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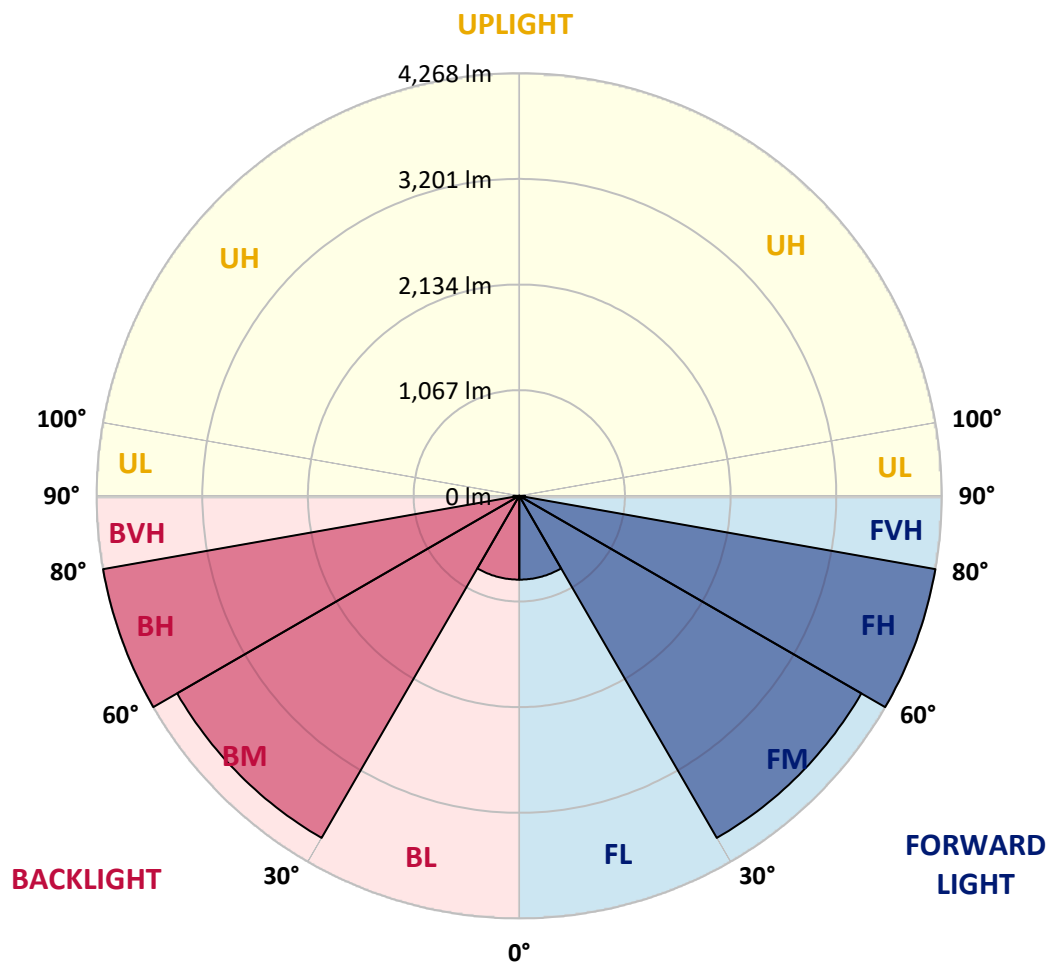
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	846.8	4.6			
FM	(30°-60°)	3989.9	21.8			
FH	(60°-80°)	4268.1	23.3			G2/5000
FVH	(80°-90°)	59.3	0.3			G1/100
BL	(0°-30°)	846.8	4.6	B2/1000		
BM	(30°-60°)	3989.9	21.8	B3/5000		
BH	(60°-80°)	4268.1	23.3	B4/5000		G2/5000
BVH	(80°-90°)	59.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7	2001.7
2.5°	1998.7	1996.9	2001.1	2000.5	1996.9	1997.5	1997.5	1999.3	1999.3	1998.1	1998.1
5°	1991.4	1990.2	1995.0	1995.0	1991.4	1992.6	1993.8	1995.6	1995.0	1993.8	1993.2
7.5°	1982.3	1981.7	1986.5	1986.5	1984.1	1985.3	1984.1	1984.7	1983.5	1982.3	1980.5
10°	1967.1	1968.3	1972.6	1973.8	1973.8	1974.4	1973.2	1970.2	1968.3	1966.5	1964.7
12.5°	1953.2	1952.6	1958.6	1961.7	1966.5	1972.0	1968.3	1959.8	1956.2	1952.6	1951.4
15°	1944.1	1944.7	1950.8	1956.2	1964.7	1976.2	1972.0	1958.6	1951.4	1947.1	1945.9
17.5°	1942.3	1943.5	1951.4	1961.1	1970.2	1982.9	1980.5	1967.1	1955.0	1947.1	1945.3
20°	1946.5	1947.1	1959.2	1973.2	1989.0	2001.1	1995.6	1981.1	1964.7	1952.6	1949.5
22.5°	1954.4	1956.8	1972.0	1993.8	2018.1	2034.5	2027.8	2002.9	1977.4	1962.3	1958.0
25°	1979.3	1979.9	2000.5	2030.2	2059.3	2078.1	2070.2	2035.1	2002.3	1985.3	1979.9
27.5°	2030.8	2032.6	2053.3	2087.8	2112.7	2124.8	2120.0	2091.5	2063.6	2045.4	2047.2
30°	2105.4	2107.9	2130.9	2169.1	2184.3	2187.3	2186.1	2172.8	2147.3	2123.0	2124.8
32.5°	2196.4	2197.6	2228.6	2263.1	2275.3	2277.7	2275.3	2263.1	2232.8	2200.1	2201.9
35°	2313.5	2317.1	2346.8	2380.2	2389.9	2394.8	2390.5	2374.7	2343.2	2311.1	2309.8
37.5°	2457.8	2458.5	2489.4	2524.0	2536.1	2537.3	2532.5	2522.1	2482.7	2453.6	2451.8
40°	2625.3	2627.7	2664.1	2701.1	2705.9	2700.5	2707.2	2701.1	2660.4	2627.1	2632.5
42.5°	2829.1	2834.5	2878.2	2914.6	2900.6	2897.6	2901.9	2903.7	2870.9	2830.3	2826.6
45°	3066.2	3071.1	3125.7	3154.8	3145.7	3125.7	3134.2	3148.7	3103.2	3052.9	3057.8
47.5°	3336.8	3348.9	3407.1	3434.4	3412.0	3384.7	3401.1	3422.9	3369.5	3307.1	3304.0
50°	3637.6	3652.8	3730.4	3768.7	3746.2	3695.9	3723.2	3737.7	3660.7	3580.0	3573.3
52.5°	3958.5	3973.7	4071.3	4150.2	4135.6	4057.4	4095.6	4080.4	3991.9	3883.3	3874.8
55°	4321.9	4327.9	4433.5	4560.8	4575.4	4517.8	4515.4	4490.5	4359.5	4233.9	4227.8
57.5°	4695.5	4699.8	4836.2	4986.7	5055.2	5055.2	4987.3	4934.5	4760.4	4614.8	4599.7
60°	5098.9	5114.0	5265.1	5469.5	5629.6	5677.0	5556.8	5413.1	5223.8	5046.1	5028.5
62.5°	5458.0	5475.6	5706.7	6011.2	6268.4	6440.6	6147.0	5912.9	5568.4	5283.3	5249.9
65°	5503.5	5550.8	5887.4	6438.8	7014.5	7358.4	6795.5	6218.6	5590.8	5194.7	5160.8
67.5°	5026.1	5106.2	5561.1	6419.4	7608.9	8347.1	7209.8	6043.9	5188.0	4750.1	4712.5
70°	3862.1	3978.5	4503.2	5615.1	7506.4	8665.6	6950.2	5291.2	4325.5	3854.2	3801.4
72.5°	2118.8	2166.7	2638.6	3845.1	6017.8	7363.8	5797.1	3912.4	2868.5	2334.1	2245.5
75°	672.1	689.1	929.3	1573.5	3404.1	4877.5	3682.5	1920.4	1057.3	779.5	770.4
77.5°	298.4	300.3	336.0	459.2	1172.5	2471.2	1408.5	522.9	360.3	314.8	325.1
80°	188.6	188.6	208.1	227.5	319.1	717.6	380.9	248.7	212.3	197.1	201.4
82.5°	90.4	100.1	135.3	145.6	175.3	241.4	195.3	162.6	141.9	105.5	98.3
85°	59.4	49.7	85.5	96.4	101.9	115.9	113.4	107.4	92.8	52.8	58.8
87.5°	26.7	25.5	44.3	40.6	38.2	29.1	43.7	54.0	52.2	26.1	26.1
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)