

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: P316437

Luminaire Tested: **GAN-SA3B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316437
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 16690 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

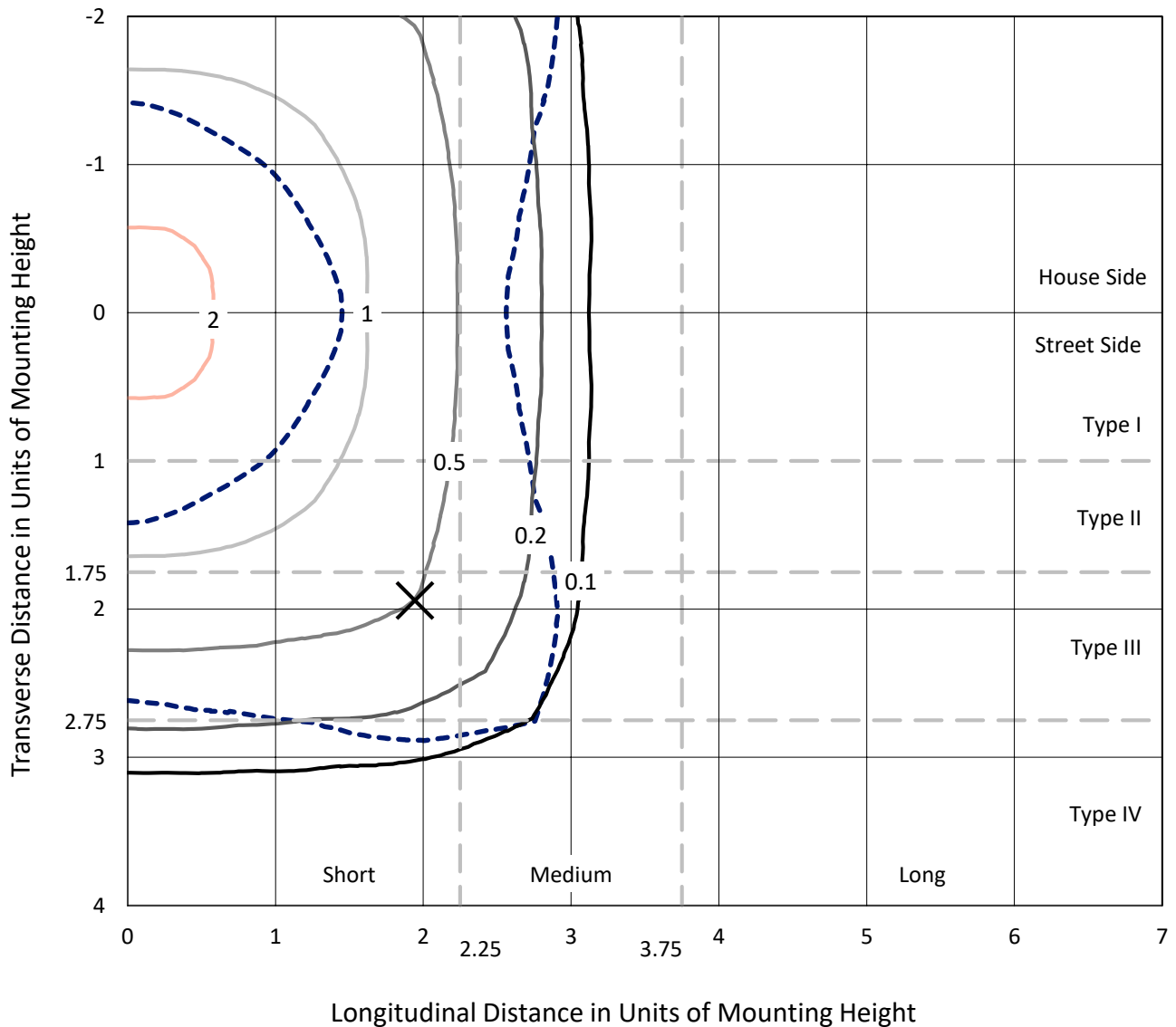
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

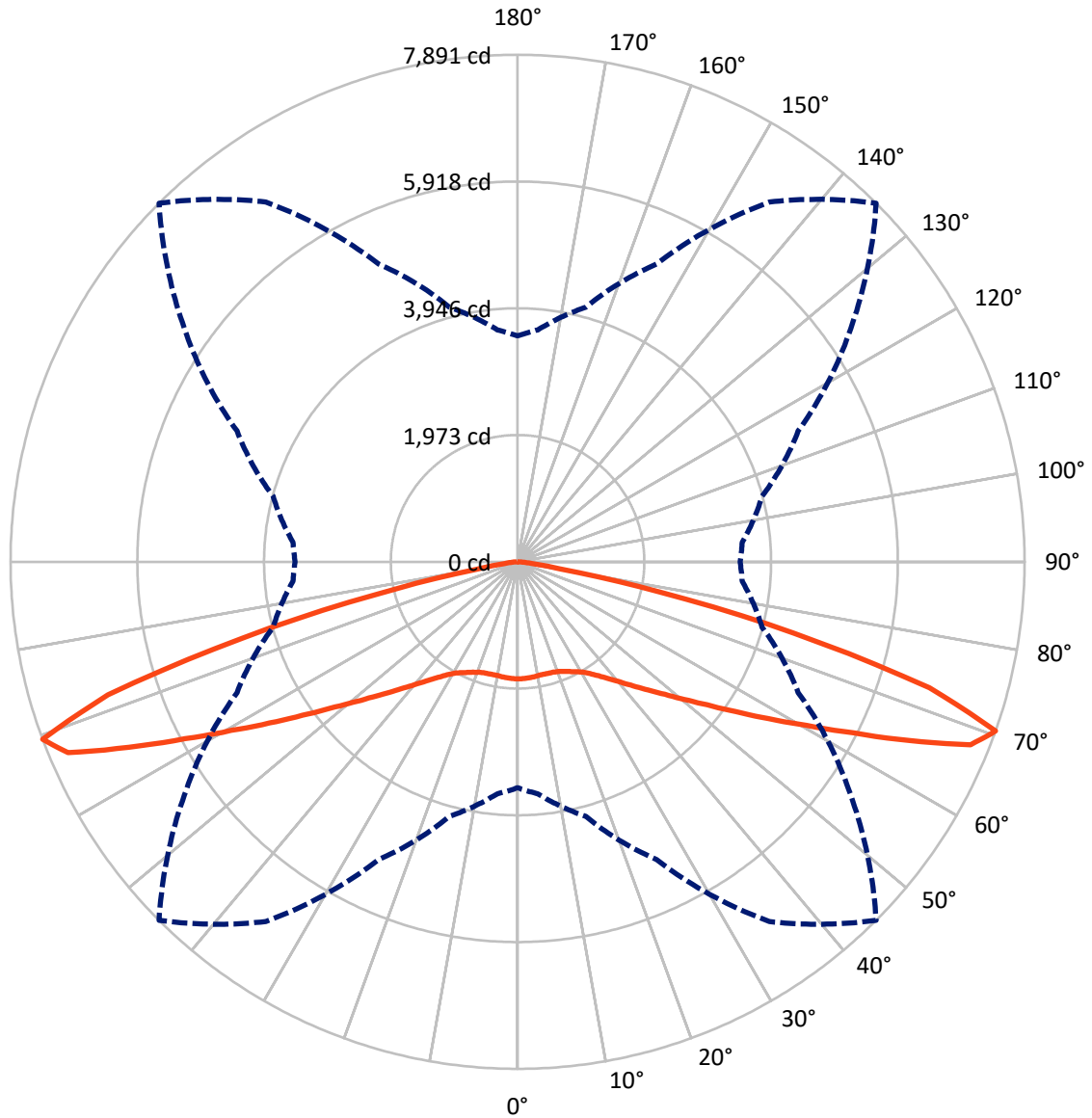
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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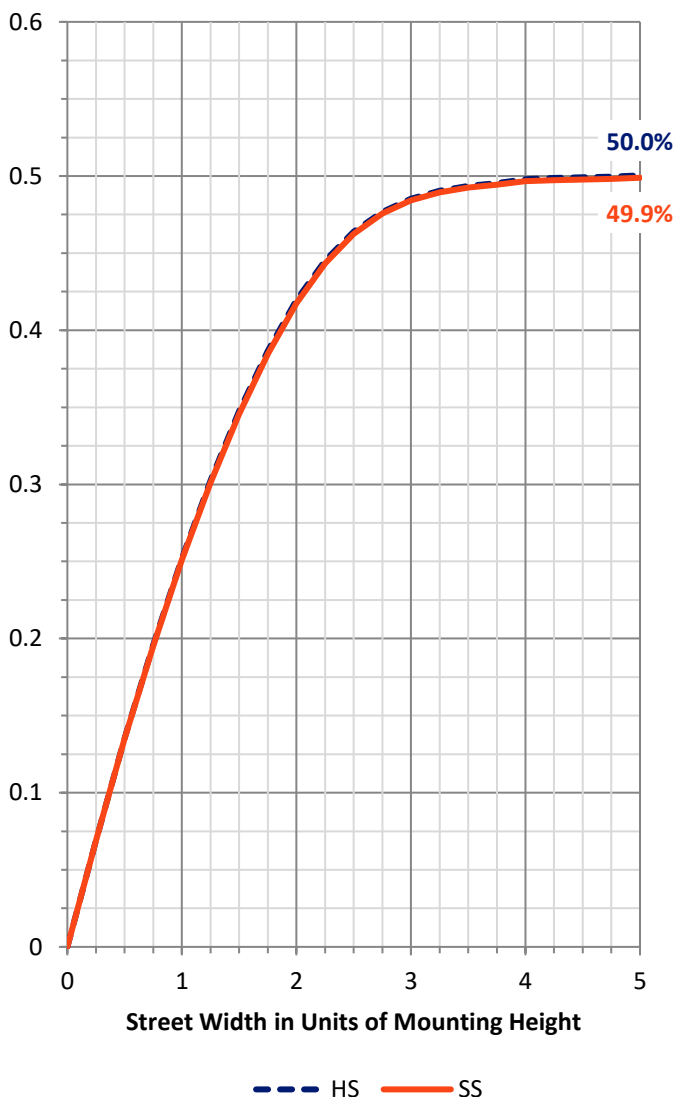
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8345.0	0.0	8345.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8345.0	0.0	8345.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16690.0	0.0	16690.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	1.0
10°-20°	506.8	3.0
20°-30°	862.8	5.2
30°-40°	1368.4	8.2
40°-50°	2226.7	13.3
50°-60°	3671.5	22.0
60°-70°	5389.9	32.3
70°-80°	2383.4	14.3
80°-90°	107.9	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°	16690.0	100.0
0°-180°	16690.0	100.0

Coefficient of Utilization



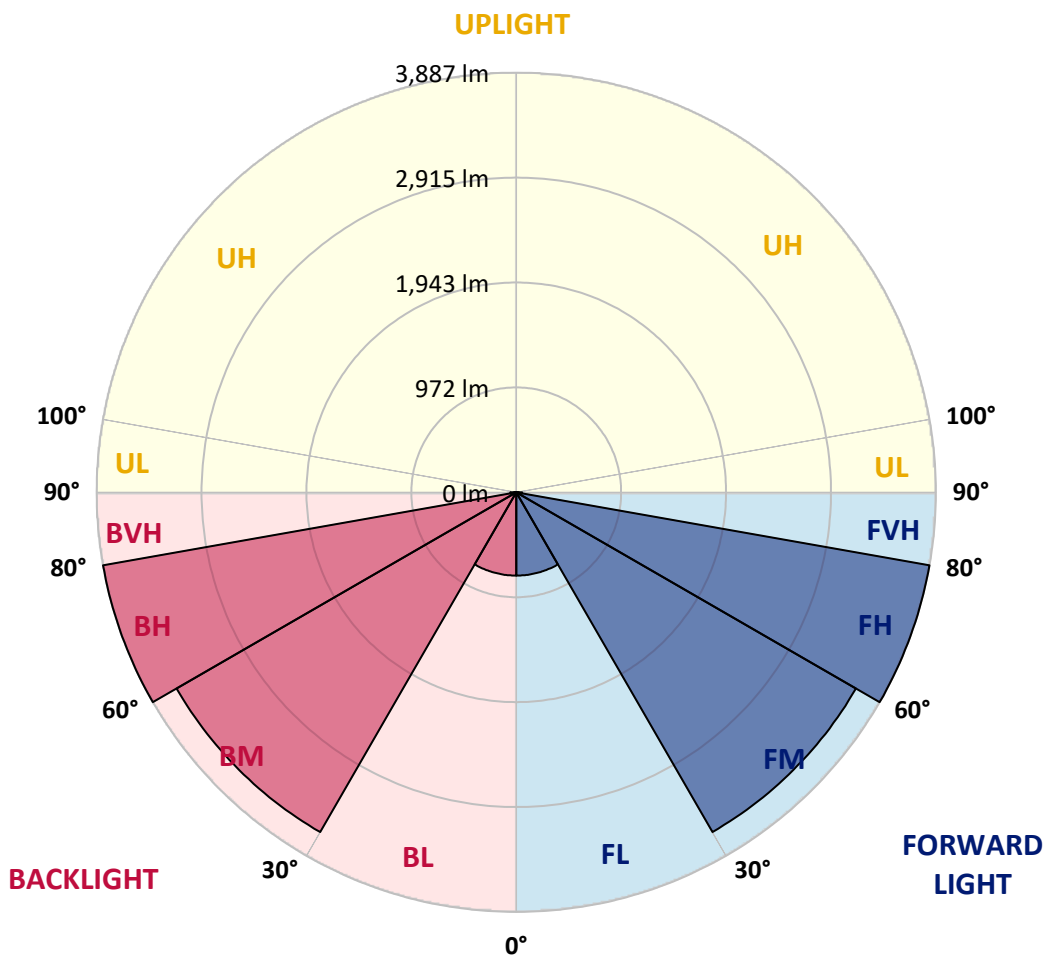
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	771.1	4.6			
FM (30°-60°)	3633.3	21.8			
FH (60°-80°)	3886.6	23.3			G2/5000
FVH (80°-90°)	54.0	0.3			G1/100
BL (0°-30°)	771.1	4.6	B2/1000		
BM (30°-60°)	3633.3	21.8	B3/5000		
BH (60°-80°)	3886.6	23.3	B4/5000		G2/5000
BVH (80°-90°)	54.0	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°	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8	1822.8
2.5°	1820.0	1818.4	1822.3	1821.7	1818.4	1818.9	1818.9	1820.6	1820.6	1819.5	1819.5
5°	1813.4	1812.3	1816.7	1816.7	1813.4	1814.5	1815.6	1817.3	1816.7	1815.6	1815.1
7.5°	1805.1	1804.6	1809.0	1809.0	1806.8	1807.9	1806.8	1807.3	1806.2	1805.1	1803.5
10°	1791.3	1792.4	1796.3	1797.4	1797.4	1798.0	1796.8	1794.1	1792.4	1790.8	1789.1
12.5°	1778.6	1778.1	1783.6	1786.4	1790.8	1795.7	1792.4	1784.7	1781.4	1778.1	1777.0
15°	1770.3	1770.9	1776.4	1781.4	1789.1	1799.6	1795.7	1783.6	1777.0	1773.1	1772.0
17.5°	1768.7	1769.8	1777.0	1785.8	1794.1	1805.7	1803.5	1791.3	1780.3	1773.1	1771.4
20°	1772.5	1773.1	1784.1	1796.8	1811.2	1822.3	1817.3	1804.0	1789.1	1778.1	1775.3
22.5°	1779.7	1781.9	1795.7	1815.6	1837.7	1852.6	1846.6	1823.9	1800.7	1786.9	1783.0
25°	1802.4	1802.9	1821.7	1848.8	1875.3	1892.4	1885.2	1853.2	1823.4	1807.9	1802.9
27.5°	1849.3	1851.0	1869.8	1901.2	1923.9	1934.9	1930.5	1904.6	1879.1	1862.6	1864.2
30°	1917.3	1919.5	1940.5	1975.3	1989.1	1991.8	1990.7	1978.6	1955.4	1933.3	1934.9
32.5°	2000.1	2001.2	2029.4	2060.9	2071.9	2074.1	2071.9	2060.9	2033.3	2003.4	2005.1
35°	2106.7	2110.0	2137.1	2167.5	2176.3	2180.7	2176.9	2162.5	2133.8	2104.5	2103.4
37.5°	2238.2	2238.7	2266.9	2298.4	2309.4	2310.5	2306.1	2296.7	2260.8	2234.3	2232.7
40°	2390.6	2392.8	2426.0	2459.7	2464.1	2459.1	2465.2	2459.7	2422.7	2392.3	2397.3
42.5°	2576.2	2581.2	2621.0	2654.1	2641.4	2638.7	2642.5	2644.2	2614.3	2577.3	2574.0
45°	2792.2	2796.6	2846.3	2872.9	2864.6	2846.3	2854.1	2867.3	2825.9	2780.1	2784.5
47.5°	3038.6	3049.6	3102.6	3127.5	3107.1	3082.2	3097.1	3117.0	3068.4	3011.5	3008.7
50°	3312.5	3326.3	3397.1	3431.8	3411.4	3365.6	3390.4	3403.7	3333.5	3260.1	3254.0
52.5°	3604.7	3618.5	3707.5	3779.3	3766.0	3694.8	3729.6	3715.8	3635.1	3536.2	3528.5
55°	3935.6	3941.1	4037.2	4153.2	4166.5	4114.0	4111.8	4089.2	3969.9	3855.5	3850.0
57.5°	4275.9	4279.7	4404.0	4541.0	4603.4	4603.4	4541.6	4493.5	4335.0	4202.4	4188.6
60°	4643.2	4657.0	4794.5	4980.7	5126.5	5169.6	5060.2	4929.3	4757.0	4595.1	4579.1
62.5°	4970.2	4986.2	5196.7	5473.9	5708.2	5865.0	5597.7	5384.5	5070.7	4811.1	4780.7
65°	5011.6	5054.7	5361.3	5863.4	6387.6	6700.8	6188.2	5662.9	5091.2	4730.5	4699.5
67.5°	4576.9	4649.8	5064.1	5845.7	6928.9	7601.1	6565.4	5503.8	4724.4	4325.6	4291.3
70°	3516.9	3623.0	4100.8	5113.3	6835.5	7891.1	6329.0	4818.3	3938.9	3509.7	3461.7
72.5°	1929.4	1973.1	2402.8	3501.4	5480.0	6705.7	5279.0	3562.8	2612.1	2125.5	2044.9
75°	612.0	627.5	846.2	1432.8	3099.9	4441.6	3353.4	1748.8	962.8	709.8	701.5
77.5°	271.8	273.4	306.0	418.1	1067.7	2250.3	1282.6	476.1	328.1	286.7	296.1
80°	171.8	171.8	189.5	207.1	290.5	653.4	346.9	226.5	193.3	179.5	183.4
82.5°	82.3	91.1	123.2	132.6	159.6	219.8	177.9	148.0	129.3	96.1	89.5
85°	54.1	45.3	77.9	87.8	92.8	105.5	103.3	97.8	84.5	48.1	53.6
87.5°	24.3	23.2	40.3	37.0	34.8	26.5	39.8	49.2	47.5	23.8	23.8
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)