

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: P528561

Luminaire Tested: **GLAN-SA3C-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11457 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

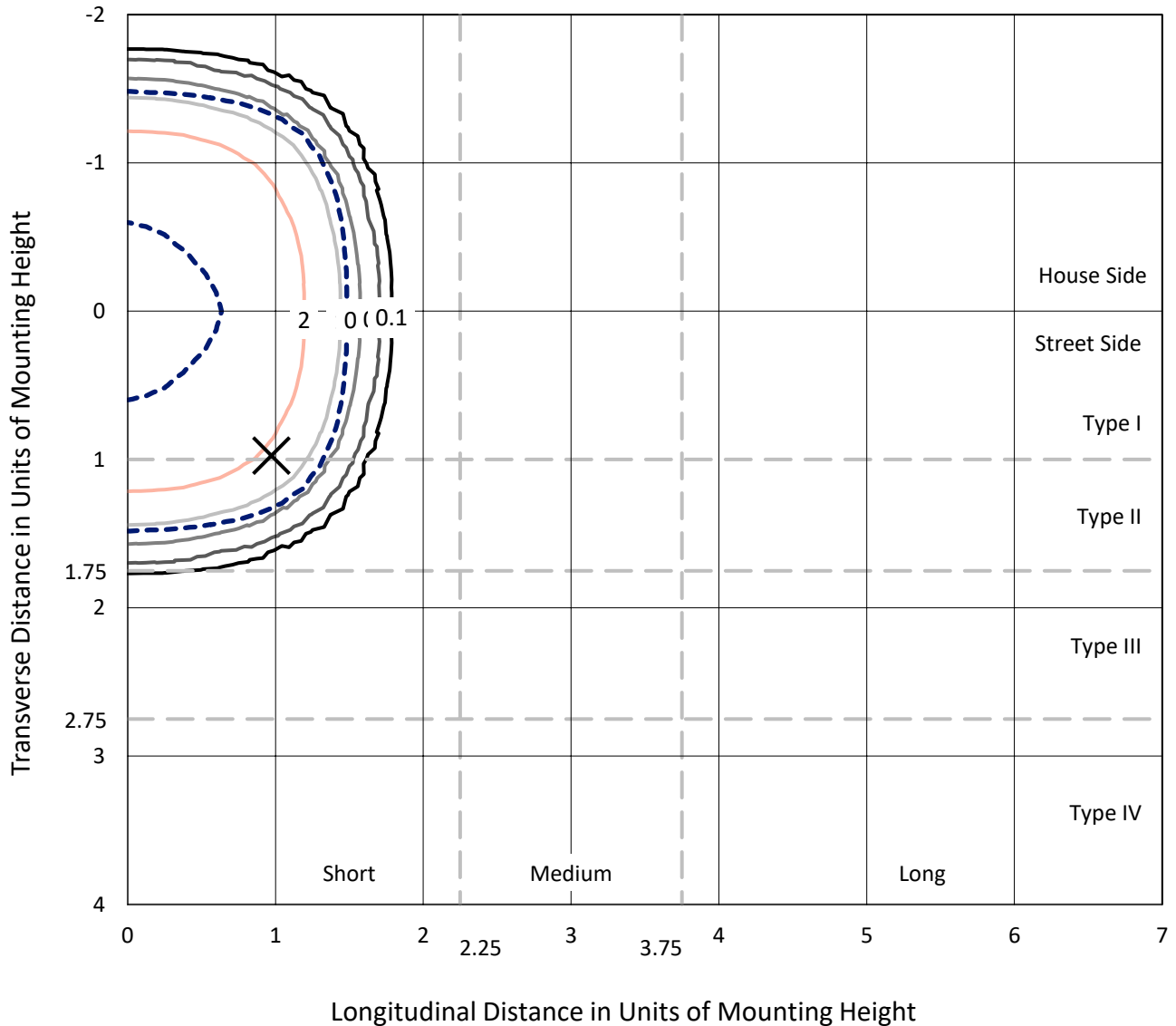
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

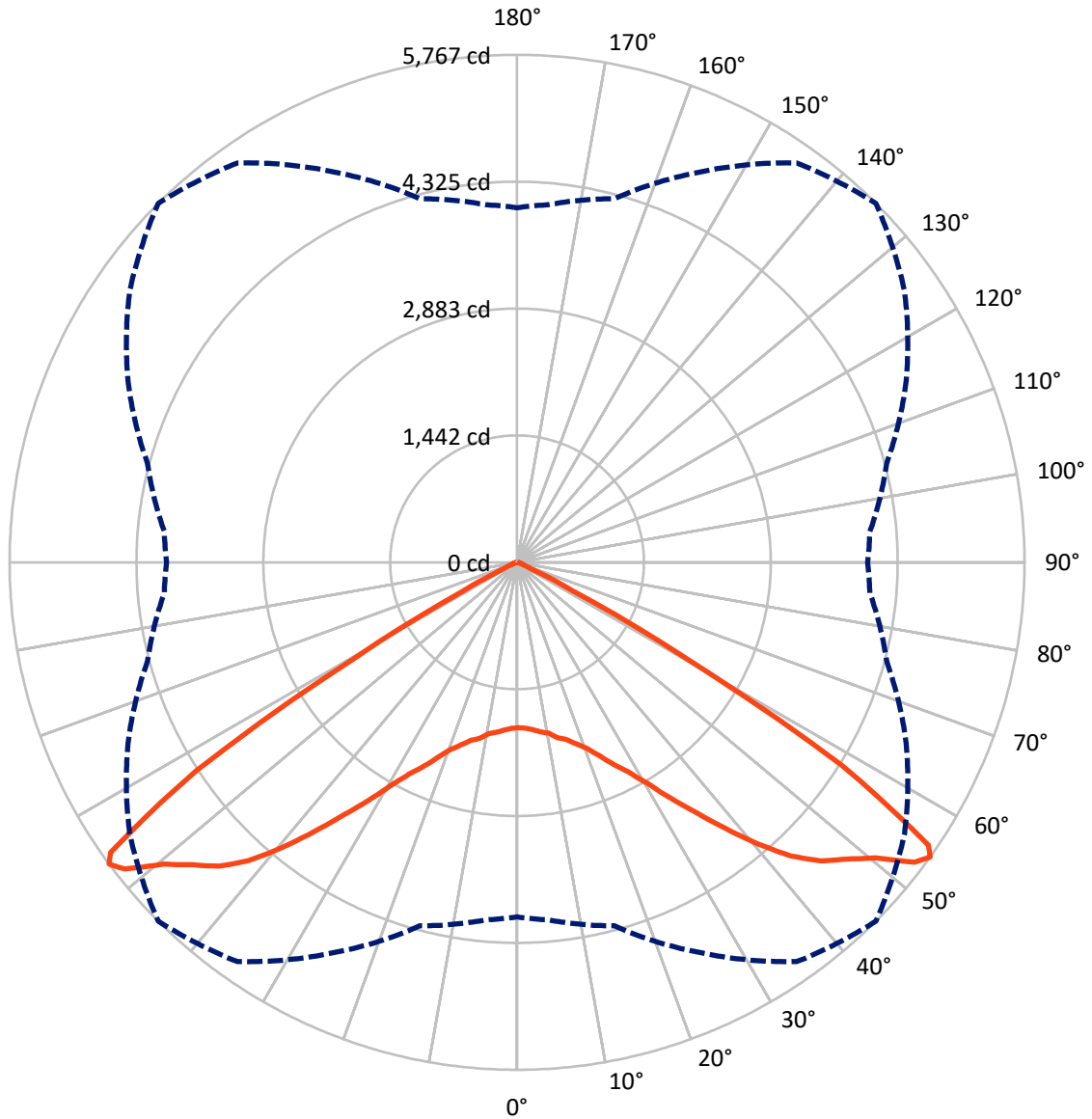
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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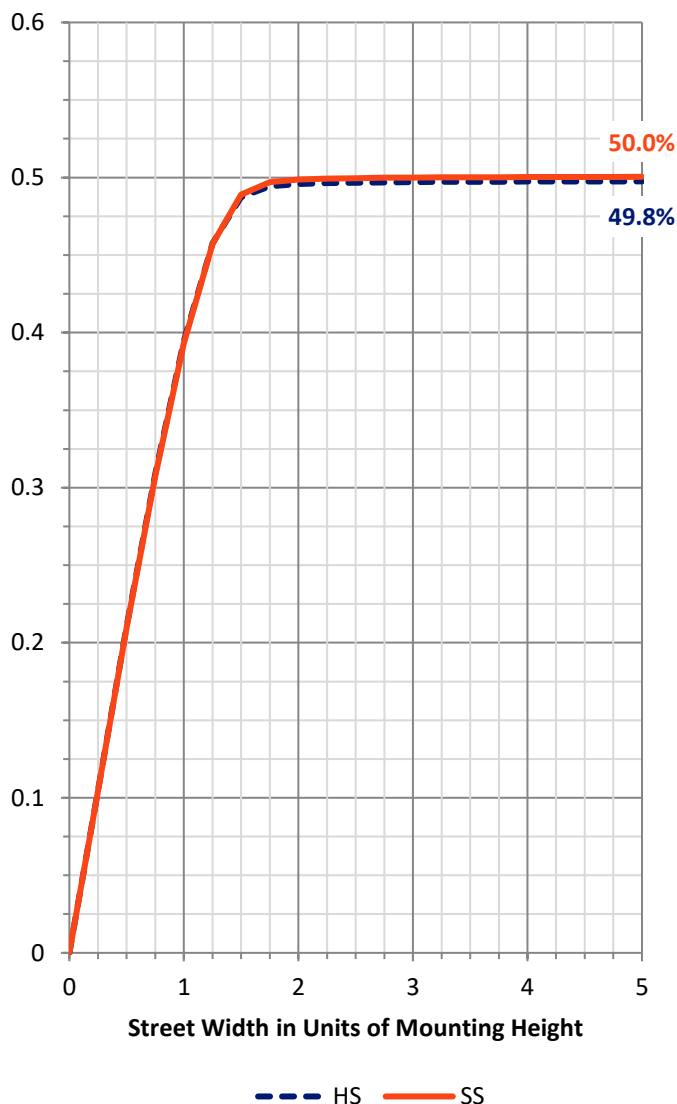
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5728.5	0.0	5728.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5728.5	0.0	5728.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11457.0	0.0	11457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	1.6
10°-20°	595.4	5.2
20°-30°	1167.0	10.2
30°-40°	2098.6	18.3
40°-50°	3592.3	31.4
50°-60°	3475.9	30.3
60°-70°	297.6	2.6
70°-80°	35.3	0.3
80°-90°	11.1	0.1
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°	11457.0	100.0
0°-180°	11457.0	100.0

Coefficient of Utilization

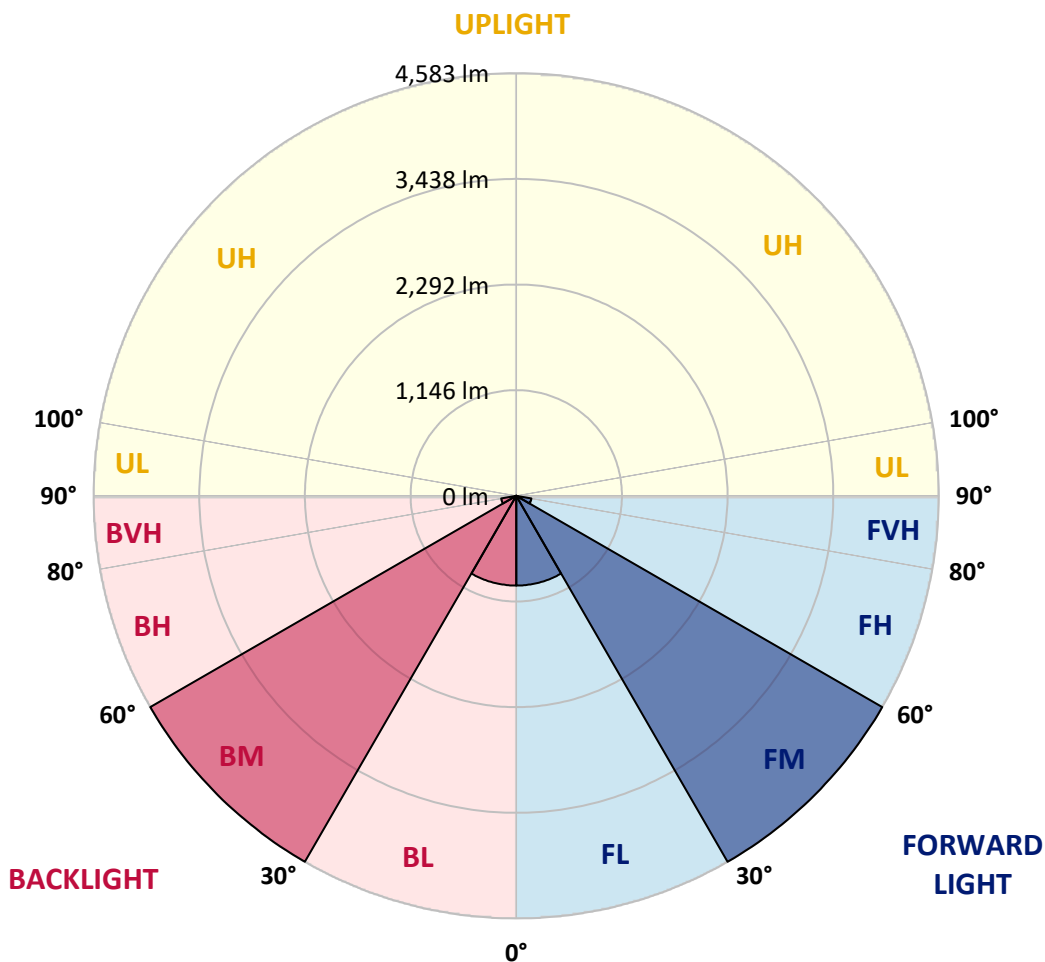


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.2	8.5			
FM (30°-60°)	4583.4	40.0			
FH (60°-80°)	166.4	1.5			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	973.2	8.5	B2/1000		
BM (30°-60°)	4583.4	40.0	B3/5000		
BH (60°-80°)	166.4	1.5	B1/500		G0/660
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6	1878.6
2.5°	1887.7	1898.6	1891.3	1896.7	1896.7	1887.7	1893.1	1871.3	1885.9	1875.0	1876.8
5°	1916.7	1914.9	1914.9	1916.7	1909.4	1913.1	1905.8	1898.6	1893.1	1885.9	1907.6
7.5°	1953.0	1953.0	1940.3	1943.9	1940.3	1945.7	1931.2	1916.7	1911.3	1905.8	1902.2
10°	1987.5	1983.9	1978.4	1994.8	1982.0	1974.8	1967.5	1958.5	1938.5	1931.2	1924.0
12.5°	2038.3	2036.5	2029.2	2045.6	2038.3	2045.6	2018.4	1994.8	1991.1	1967.5	1980.2
15°	2098.2	2114.5	2101.8	2101.8	2098.2	2089.1	2078.2	2067.4	2034.7	2025.6	2027.4
17.5°	2176.3	2170.8	2172.6	2172.6	2190.8	2167.2	2145.4	2118.2	2101.8	2096.4	2078.2
20°	2250.7	2257.9	2256.1	2268.8	2279.7	2254.3	2230.7	2227.1	2181.7	2189.0	2163.6
22.5°	2381.4	2375.9	2385.0	2394.1	2386.8	2383.2	2361.4	2334.2	2294.2	2276.1	2272.5
25°	2519.3	2510.2	2493.9	2515.7	2526.6	2542.9	2501.2	2486.6	2424.9	2397.7	2399.5
27.5°	2637.3	2650.0	2668.1	2677.2	2704.4	2699.0	2670.0	2622.8	2575.6	2544.7	2524.8
30°	2798.8	2806.1	2836.9	2849.7	2896.8	2909.5	2864.2	2809.7	2726.2	2686.3	2662.7
32.5°	2947.7	2998.5	2996.7	3060.2	3136.4	3189.1	3107.4	3023.9	2940.4	2893.2	2851.5
35°	3189.1	3180.0	3232.6	3299.8	3423.2	3483.1	3394.2	3298.0	3170.9	3094.7	3062.0
37.5°	3414.1	3417.8	3488.6	3595.6	3737.2	3829.8	3751.7	3593.8	3463.1	3365.1	3319.8
40°	3740.8	3748.1	3820.7	3942.3	4102.0	4201.9	4111.1	3951.4	3777.1	3700.9	3700.9
42.5°	4123.8	4154.7	4201.9	4307.1	4450.5	4561.3	4479.6	4354.3	4178.3	4080.3	4094.8
45°	4517.7	4532.2	4563.1	4719.2	4786.3	4840.8	4764.5	4706.5	4588.5	4468.7	4448.7
47.5°	4886.2	4891.6	4982.4	5031.4	5084.0	5038.6	5087.6	5011.4	4878.9	4762.7	4739.1
50°	5049.5	5040.4	5169.3	5318.1	5358.1	5278.2	5236.5	5185.6	4984.2	4844.4	4782.7
52.5°	4574.0	4626.6	4866.2	5280.0	5592.2	5659.4	5416.2	5182.0	4806.3	4534.0	4492.3
54°	4029.4	4078.4	4276.3	4889.8	5539.6	5766.5	5374.4	4877.1	4347.1	4024.0	3982.3
55°	3490.4	3435.9	3795.3	4421.5	5292.7	5672.1	5209.2	4483.2	3877.0	3581.1	3523.0
57.5°	1889.5	1898.6	2201.7	2793.4	3719.1	4348.9	3840.7	3033.0	2290.6	1958.5	1929.4
60°	599.0	613.5	746.0	1129.0	1776.9	2121.8	1818.7	1217.9	842.2	675.2	648.0
62.5°	187.0	194.2	212.4	315.8	486.4	695.2	544.5	326.7	243.2	223.3	226.9
65°	114.3	114.3	116.2	123.4	145.2	168.8	163.4	143.4	137.9	134.3	132.5
67.5°	74.4	72.6	76.2	81.7	85.3	87.1	92.6	98.0	96.2	92.6	92.6
70°	45.4	43.6	47.2	54.5	56.3	59.9	65.3	72.6	70.8	67.2	69.0
72.5°	25.4	25.4	27.2	32.7	38.1	41.7	47.2	52.6	54.5	52.6	52.6
75°	9.1	10.9	14.5	20.0	23.6	29.0	34.5	39.9	45.4	41.7	39.9
77.5°	3.6	3.6	7.3	12.7	18.2	23.6	32.7	38.1	41.7	38.1	34.5
80°	1.8	1.8	5.4	10.9	16.3	21.8	27.2	32.7	34.5	30.9	27.2
82.5°	1.8	1.8	5.4	10.9	16.3	20.0	29.0	32.7	36.3	32.7	27.2
85°	0.0	1.8	5.4	10.9	14.5	16.3	16.3	10.9	9.1	5.4	5.4
87.5°	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)