

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: P528407

Luminaire Tested: **GLAN-SA3C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9970 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

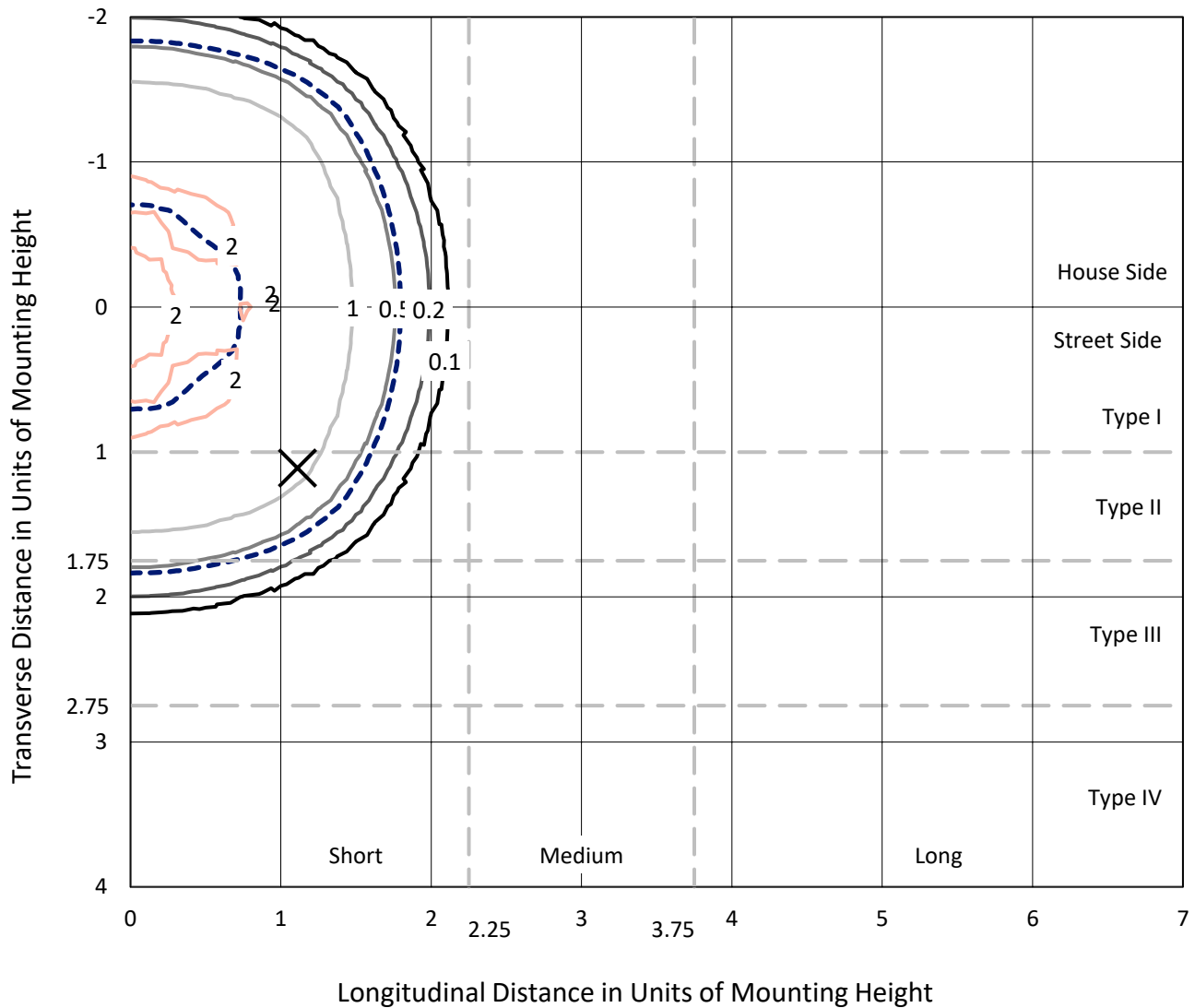
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

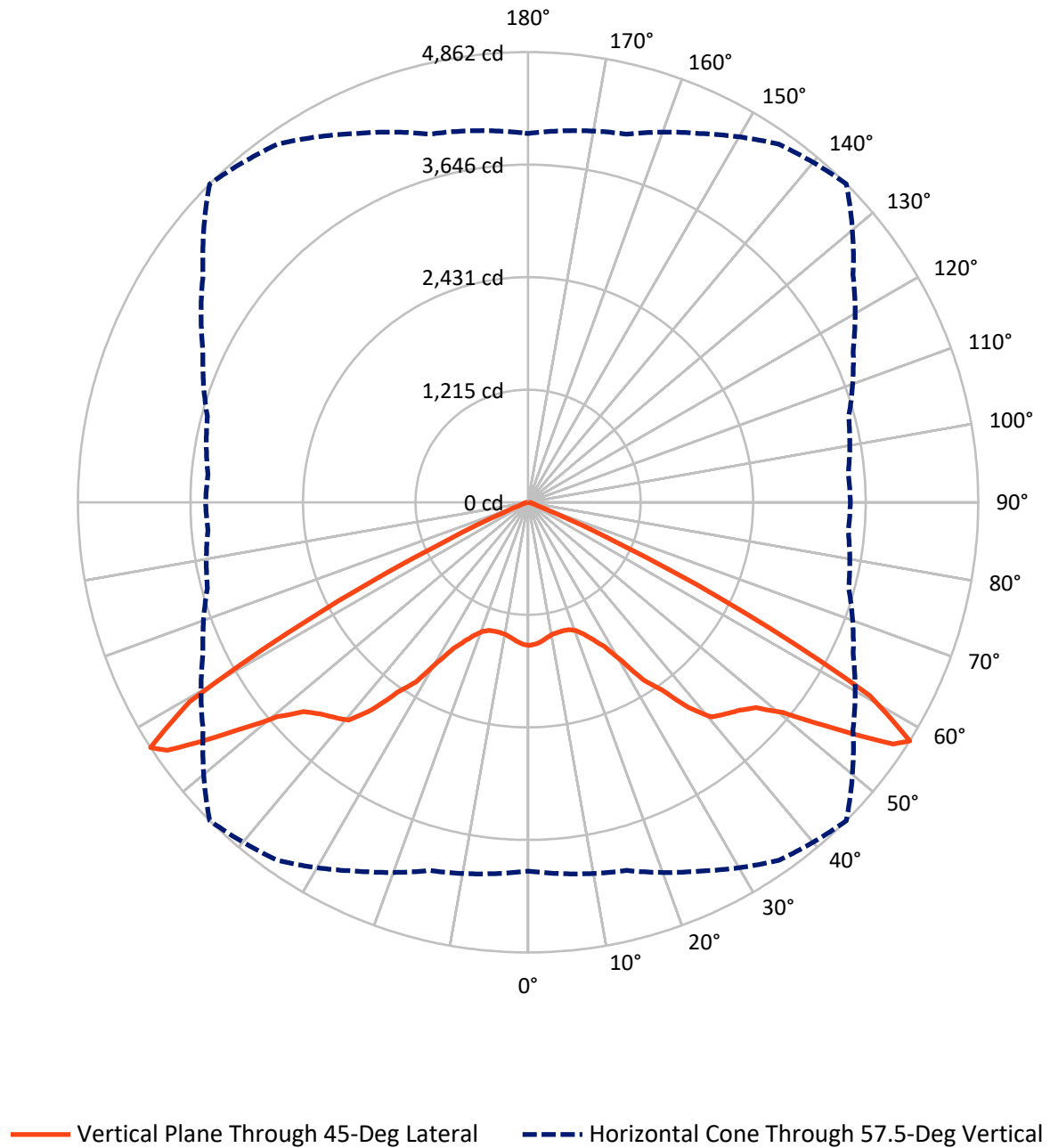
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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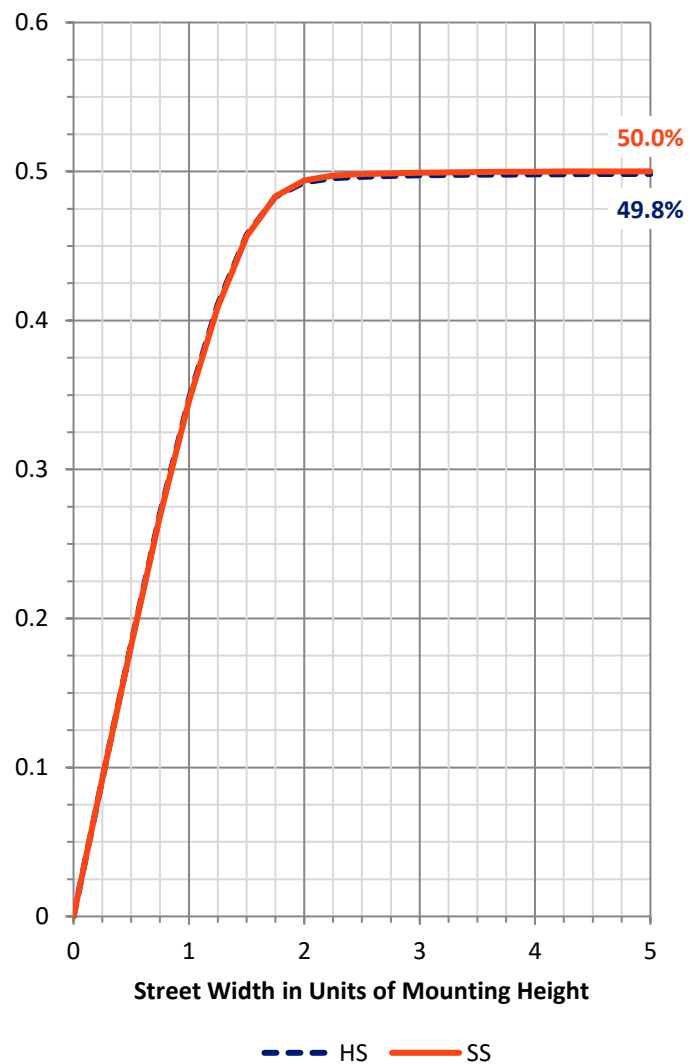
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4985.0	0.0	4985.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4985.0	0.0	4985.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9970.0	0.0	9970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	1.4
10°-20°	410.8	4.1
20°-30°	758.2	7.6
30°-40°	1491.1	15.0
40°-50°	2428.6	24.4
50°-60°	3463.5	34.7
60°-70°	1199.2	12.0
70°-80°	64.3	0.6
80°-90°	12.1	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°	9970.0	100.0
0°-180°	9970.0	100.0

Coefficient of Utilization



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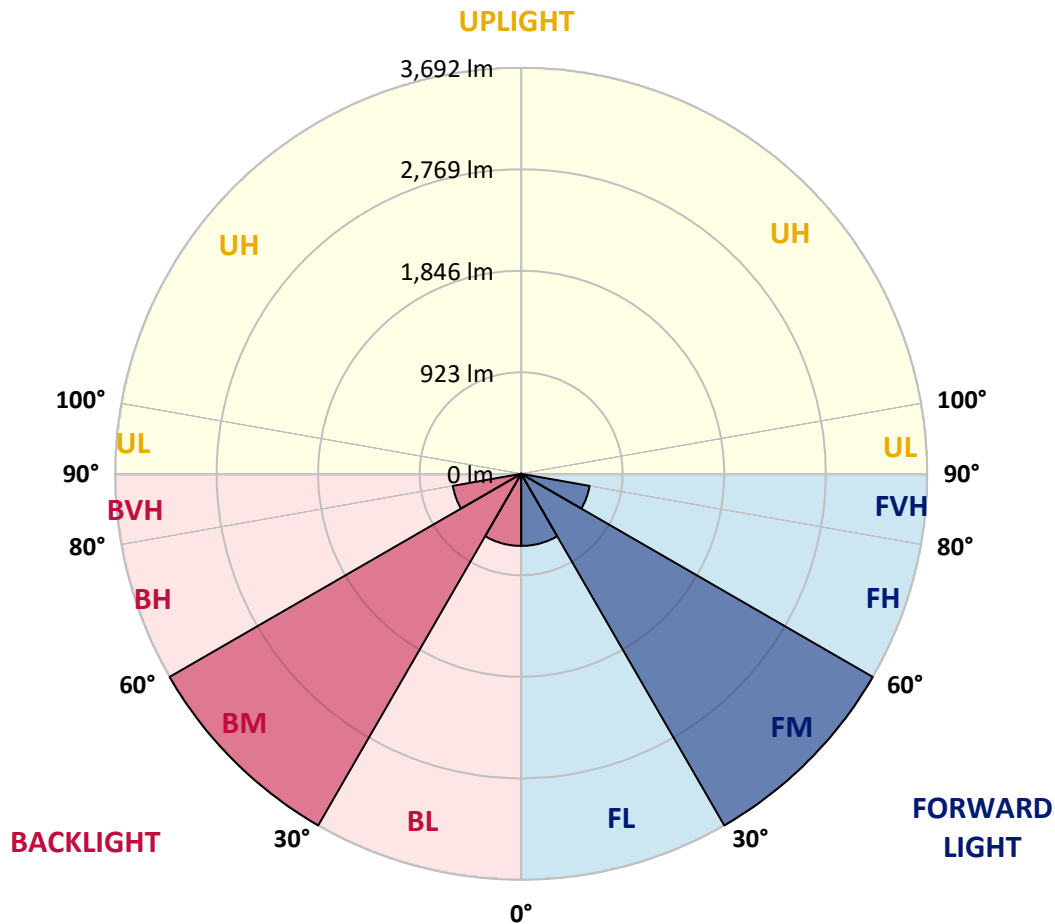
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.5	6.6			
FM	(30°-60°)	3691.7	37.0			
FH	(60°-80°)	631.7	6.3			G0/660
FVH	(80°-90°)	6.0	0.1			G0/10
BL	(0°-30°)	655.5	6.6	B2/1000		
BM	(30°-60°)	3691.7	37.0	B3/5000		
BH	(60°-80°)	631.7	6.3	B2/1000		G0/660
BVH	(80°-90°)	6.0	0.1			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°	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5	1546.5
2.5°	1542.3	1550.6	1540.2	1536.1	1534.0	1534.0	1527.7	1527.7	1525.7	1527.7	1519.4
5°	1517.4	1525.7	1525.7	1523.6	1511.1	1509.0	1502.8	1498.6	1500.7	1492.4	1498.6
7.5°	1492.4	1498.6	1490.3	1488.3	1484.1	1475.8	1473.7	1455.0	1457.1	1457.1	1461.2
10°	1488.3	1486.2	1473.7	1463.3	1450.8	1448.8	1442.5	1438.4	1438.4	1436.3	1442.5
12.5°	1488.3	1477.9	1475.8	1452.9	1432.1	1440.4	1423.8	1413.4	1428.0	1432.1	1440.4
15°	1486.2	1496.6	1461.2	1450.8	1436.3	1438.4	1423.8	1413.4	1421.7	1425.9	1432.1
17.5°	1498.6	1492.4	1482.0	1461.2	1455.0	1446.7	1428.0	1419.7	1419.7	1430.1	1432.1
20°	1531.9	1515.3	1494.5	1484.1	1490.3	1479.9	1457.1	1425.9	1434.2	1442.5	1448.8
22.5°	1563.1	1550.6	1536.1	1529.8	1565.2	1548.5	1509.0	1473.7	1461.2	1475.8	1486.2
25°	1623.4	1623.4	1596.3	1604.7	1644.1	1646.2	1600.5	1538.1	1529.8	1536.1	1540.2
27.5°	1746.0	1752.2	1729.4	1737.7	1754.3	1768.9	1729.4	1677.4	1658.7	1656.6	1662.9
30°	1879.0	1891.5	1889.4	1924.8	1972.6	1980.9	1922.7	1837.5	1781.3	1770.9	1779.3
32.5°	2053.6	2059.9	2055.7	2097.3	2226.1	2286.4	2134.7	2014.1	1939.3	1958.0	1939.3
35°	2382.0	2375.8	2330.1	2338.4	2444.4	2488.0	2342.5	2265.6	2230.3	2267.7	2259.4
37.5°	2664.7	2641.9	2604.4	2658.5	2768.6	2808.1	2656.4	2521.3	2456.9	2519.2	2546.2
40°	2903.8	2845.6	2793.6	2847.6	2995.2	3049.3	2826.8	2716.7	2691.7	2737.5	2795.7
42.5°	3105.4	3068.0	2999.4	3003.5	3101.2	3126.2	2947.4	2883.0	2858.0	2930.8	2959.9
45°	3248.8	3213.5	3149.0	3144.9	3219.7	3203.1	3043.0	2999.4	3013.9	3061.7	3076.3
47.5°	3321.5	3340.3	3302.8	3313.2	3352.7	3313.2	3186.4	3186.4	3153.2	3182.3	3167.7
50°	3531.5	3473.3	3521.1	3521.1	3562.7	3566.8	3440.0	3394.3	3304.9	3255.0	3255.0
52.5°	3776.8	3780.9	3799.6	3868.2	3938.9	3999.2	3818.3	3622.9	3473.3	3408.8	3400.5
55°	3978.4	4019.9	4094.8	4223.6	4427.3	4510.5	4198.7	3849.5	3666.6	3566.8	3546.0
56°	4088.5	4049.0	4177.9	4354.6	4620.6	4728.7	4261.1	3895.2	3693.6	3581.4	3579.3
57.5°	3982.5	4026.2	4115.6	4394.1	4720.4	4861.8	4283.9	3874.4	3585.5	3471.2	3481.6
60°	3144.9	3186.4	3307.0	3618.8	4130.1	4240.3	3625.0	3194.8	2937.0	2772.8	2774.9
62.5°	1779.3	1810.4	1904.0	2192.9	2510.9	2616.9	2259.4	1972.6	1793.8	1702.3	1673.2
65°	654.7	642.3	656.8	804.4	999.8	1089.2	939.5	794.0	700.5	667.2	654.7
67.5°	245.3	226.6	212.0	226.6	284.8	301.4	276.4	230.7	216.2	222.4	226.6
70°	151.7	143.4	114.3	108.1	106.0	103.9	110.2	116.4	133.0	155.9	160.0
72.5°	106.0	99.8	81.1	76.9	72.7	70.7	81.1	89.4	103.9	120.6	122.6
75°	41.6	43.6	41.6	45.7	47.8	49.9	58.2	64.4	70.7	70.7	68.6
77.5°	8.3	8.3	12.5	16.6	20.8	27.0	39.5	45.7	47.8	45.7	39.5
80°	0.0	0.0	4.2	8.3	16.6	22.9	35.3	39.5	43.6	39.5	31.2
82.5°	0.0	0.0	4.2	10.4	16.6	20.8	33.3	41.6	47.8	43.6	33.3
85°	0.0	0.0	4.2	8.3	12.5	14.5	14.5	10.4	10.4	6.2	4.2
87.5°	0.0	0.0	0.0	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)