

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: P529359

Luminaire Tested: **GLAN-SA4C-730-U-T2R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-730-U-T2R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16751 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G1

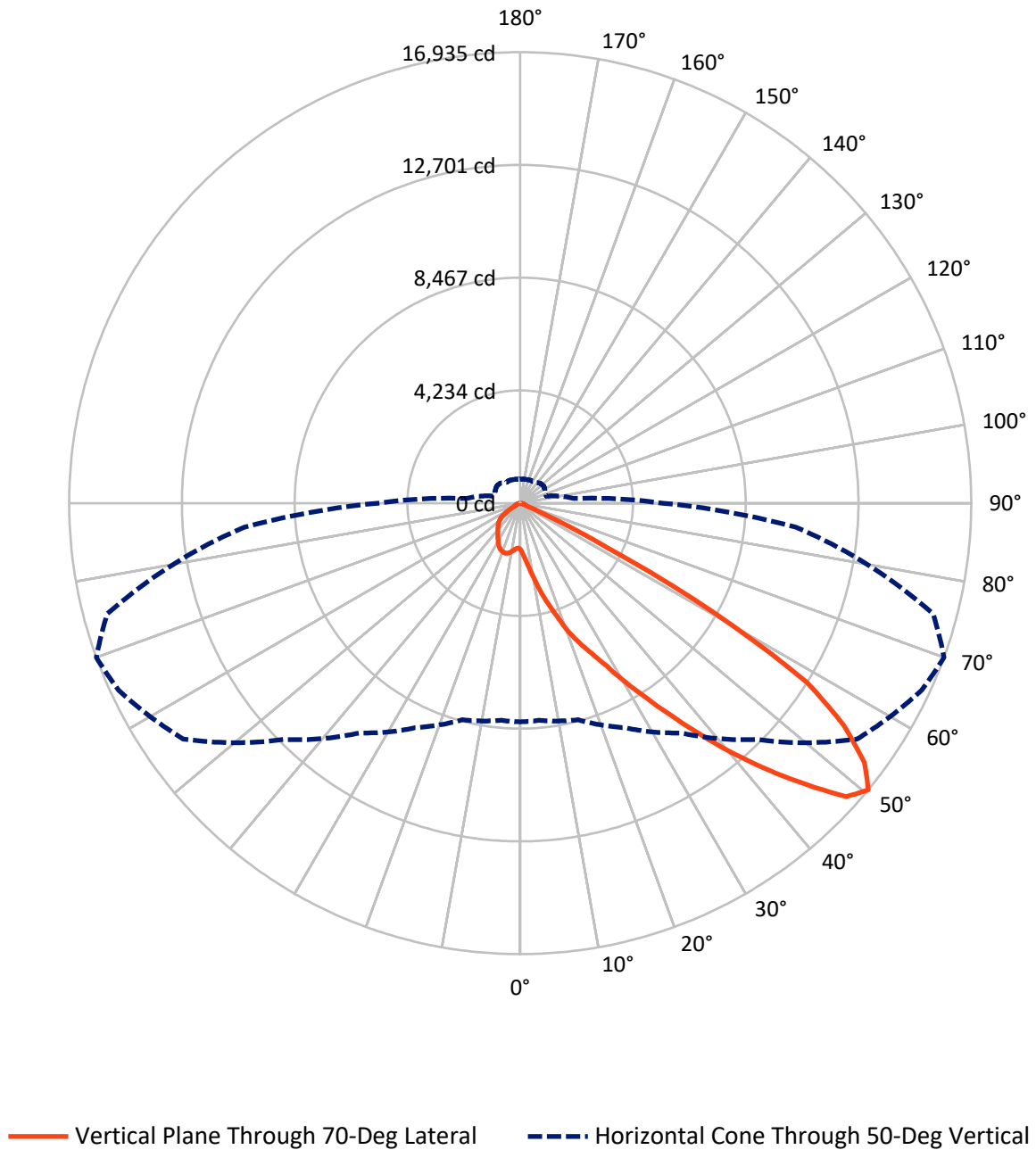
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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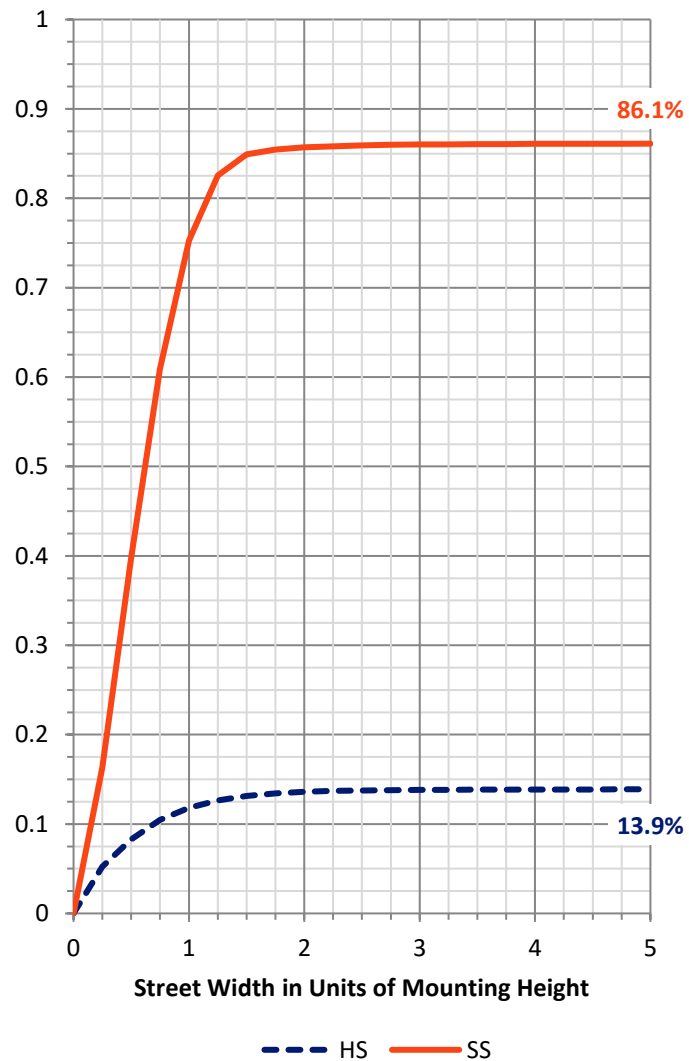
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2339.4	0.0	2339.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14411.6	0.0	14411.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	16751.0	0.0	16751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	1.3
10°-20°	976.0	5.8
20°-30°	2047.4	12.2
30°-40°	3529.0	21.1
40°-50°	5157.7	30.8
50°-60°	4017.0	24.0
60°-70°	680.6	4.1
70°-80°	93.5	0.6
80°-90°	24.2	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°	16751.0	100.0
0°-180°	16751.0	100.0

Coefficient of Utilization



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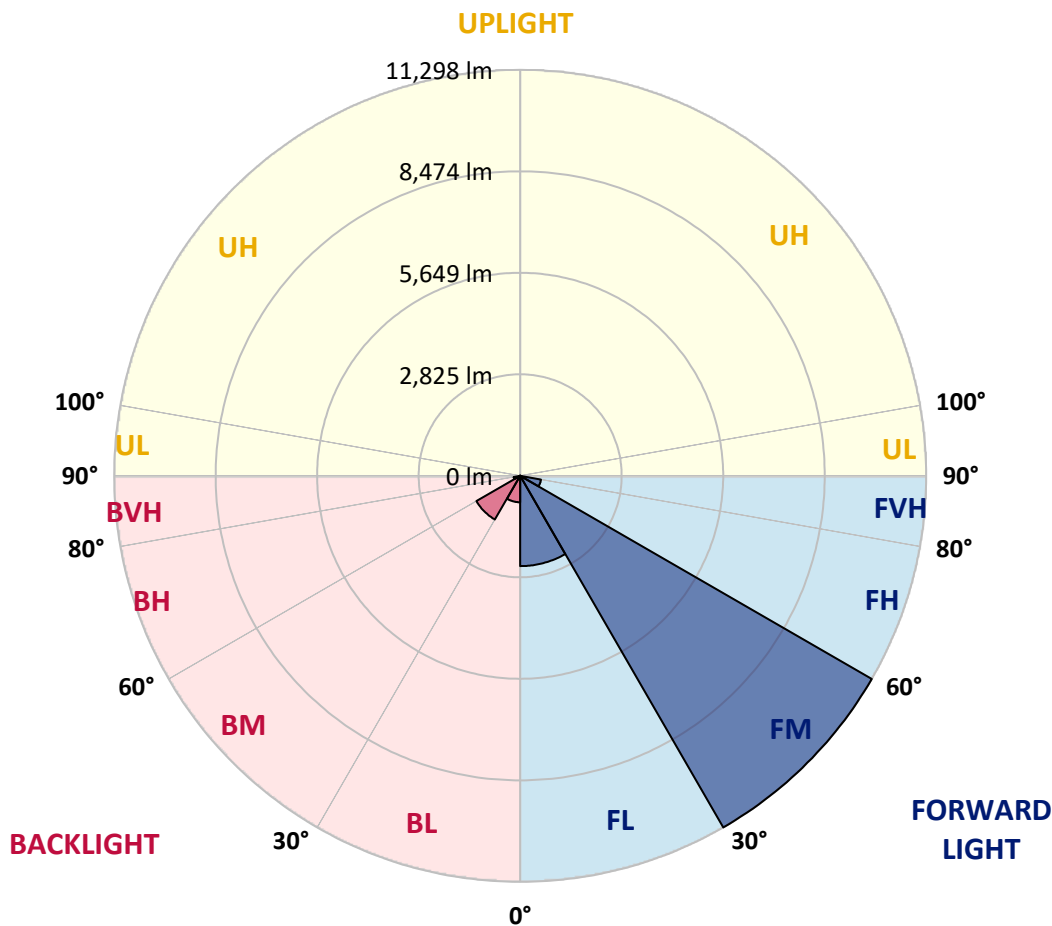
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2512.8	15.0			
FM	(30°-60°)	11298.3	67.4			
FH	(60°-80°)	589.3	3.5			G0/660
FVH	(80°-90°)	11.2	0.1			G1/100
BL	(0°-30°)	736.1	4.4	B2/1000		
BM	(30°-60°)	1405.4	8.4	B2/2500		
BH	(60°-80°)	184.8	1.1	B1/500		G1/500
BVH	(80°-90°)	13.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1
2.5°	2272.1	2255.6	2219.8	2153.7	2126.2	2060.1	2021.5	1947.1	1900.3	1848.0	1790.2
5°	3200.2	3114.9	3062.5	2988.2	2770.6	2635.7	2412.6	2222.5	2134.4	2038.0	1905.8
7.5°	4158.7	4103.6	4032.0	3872.2	3723.5	3442.6	3059.8	2641.2	2462.2	2296.9	2035.3
10°	4951.8	4797.6	4789.4	4670.9	4508.4	4172.4	3712.5	3192.0	2872.5	2630.2	2219.8
12.5°	5505.4	5365.0	5428.3	5414.5	5263.1	4954.6	4423.1	3734.5	3401.3	3024.0	2409.8
15°	6009.4	5951.6	5932.3	5915.8	5855.2	5626.6	5150.1	4395.5	3913.6	3459.1	2624.6
17.5°	6502.4	6353.7	6425.3	6439.1	6433.5	6227.0	5780.8	5023.5	4456.1	3919.1	2850.5
20°	6940.3	6954.1	6857.7	6838.4	6821.9	6813.6	6378.5	5645.9	5122.6	4401.0	3145.2
22.5°	7502.1	7405.7	7491.1	7436.0	7328.6	7262.5	6929.3	6196.7	5701.0	4982.1	3445.4
25°	8165.9	8243.0	8041.9	8019.9	7901.5	7672.9	7372.7	6813.6	6257.3	5521.9	3770.3
27.5°	8983.8	8848.9	8796.5	8675.4	8460.6	8364.2	8011.6	7449.8	6929.3	6089.3	4084.3
30°	9686.1	9650.3	9388.7	9245.5	9058.2	9055.4	8562.5	8311.8	7805.1	6978.9	4516.7
32.5°	10259.0	10102.0	10005.6	9906.4	9755.0	9796.3	9380.4	9248.2	8738.7	7805.1	5026.2
35°	10641.8	10528.9	10471.0	10319.6	10275.5	10460.0	10286.5	10231.4	9812.8	8967.3	5623.8
37.5°	10763.0	10798.8	10787.8	10597.7	10691.4	11189.8	11412.9	11269.7	11049.4	10192.9	6271.1
40°	10870.4	10895.2	10840.1	11063.2	11330.3	11897.6	12704.6	12467.7	12385.1	11435.0	7171.6
42.5°	10931.0	10911.7	10911.7	11297.3	11702.1	12842.3	13952.2	13795.2	13731.9	12756.9	8212.7
45°	10669.3	10482.0	10683.1	11206.4	12021.6	13307.7	14949.2	15166.7	15075.9	14329.5	9430.0
47.5°	9691.6	9807.3	9920.2	10619.8	11633.3	13164.5	15560.6	16301.4	16469.4	15651.5	10228.7
50°	8212.7	8187.9	8422.0	9303.3	10534.4	12547.6	15442.2	16629.2	16934.9	16048.1	10396.7
52.5°	5973.6	6155.4	6408.8	7284.6	8744.2	10950.2	13913.6	15783.7	16191.3	15560.6	10286.5
55°	3478.4	3277.4	3847.5	4588.3	5965.3	8259.5	11762.7	13990.8	14745.4	14673.8	9730.2
57.5°	1393.6	1349.5	1545.0	2082.1	3112.1	5119.8	8554.2	11495.6	12704.6	13439.9	8551.4
60°	611.4	597.6	702.3	848.3	1272.4	2360.3	4679.2	7149.6	8411.0	9391.4	5885.5
62.5°	440.7	435.1	487.5	539.8	672.0	1027.3	1966.4	2880.8	3591.3	4337.7	2635.7
65°	355.3	369.0	404.9	432.4	495.7	570.1	694.0	801.4	983.2	1019.0	581.1
67.5°	289.2	300.2	333.2	363.5	374.6	308.5	319.5	280.9	280.9	250.6	201.0
70°	212.1	214.8	253.4	289.2	231.3	123.9	217.6	217.6	195.5	187.3	170.8
72.5°	157.0	159.7	190.0	179.0	90.9	77.1	159.7	176.3	159.7	151.5	137.7
75°	115.7	118.4	99.1	41.3	38.6	49.6	93.6	121.2	115.7	112.9	104.7
77.5°	22.0	16.5	13.8	19.3	27.5	41.3	60.6	74.4	77.1	82.6	77.1
80°	2.8	2.8	8.3	16.5	30.3	44.1	63.3	71.6	74.4	77.1	71.6
82.5°	0.0	2.8	8.3	16.5	30.3	41.3	55.1	63.3	68.9	71.6	68.9
85°	0.0	2.8	5.5	13.8	24.8	30.3	27.5	19.3	16.5	19.3	13.8
87.5°	0.0	0.0	2.8	2.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1	1735.1
2.5°	1757.1	1746.1	1707.5	1666.2	1630.4	1646.9	1630.4	1616.6	1622.2	1616.6	1611.1
5°	1853.5	1803.9	1721.3	1685.5	1655.2	1652.5	1644.2	1641.4	1644.2	1644.2	1619.4
7.5°	1944.4	1864.5	1776.4	1737.8	1702.0	1704.8	1685.5	1685.5	1682.7	1669.0	1663.5
10°	2082.1	1974.7	1861.8	1792.9	1748.8	1740.6	1721.3	1702.0	1702.0	1702.0	1674.5
12.5°	2233.6	2098.6	1944.4	1864.5	1812.2	1770.9	1740.6	1735.1	1704.8	1699.3	1685.5
15°	2365.8	2195.0	1999.5	1889.3	1823.2	1768.1	1721.3	1691.0	1677.2	1669.0	1658.0
17.5°	2495.2	2277.6	2029.8	1889.3	1817.7	1754.4	1704.8	1677.2	1644.2	1649.7	1627.7
20°	2668.7	2365.8	2038.0	1853.5	1765.4	1704.8	1638.7	1624.9	1605.6	1589.1	1594.6
22.5°	2836.7	2429.1	2013.2	1809.4	1682.7	1611.1	1578.1	1561.6	1553.3	1539.5	1520.3
25°	2988.2	2498.0	1974.7	1729.6	1594.6	1542.3	1512.0	1509.2	1490.0	1490.0	1454.2
27.5°	3142.4	2522.7	1908.6	1635.9	1517.5	1487.2	1473.4	1467.9	1459.7	1440.4	1415.6
30°	3318.7	2531.0	1812.2	1539.5	1448.6	1415.6	1434.9	1448.6	1412.8	1377.0	1388.1
32.5°	3464.6	2511.7	1696.5	1448.6	1399.1	1382.6	1421.1	1434.9	1393.6	1355.0	1335.7
35°	3640.9	2464.9	1583.6	1377.0	1349.5	1382.6	1415.6	1415.6	1333.0	1286.2	1275.1
37.5°	3908.0	2412.6	1478.9	1316.5	1297.2	1366.0	1410.1	1379.8	1250.4	1192.5	1178.7
40°	4194.5	2379.5	1377.0	1255.9	1269.6	1338.5	1363.3	1269.6	1137.4	1101.6	1090.6
42.5°	4610.3	2313.4	1286.2	1203.5	1244.8	1299.9	1299.9	1131.9	1082.4	1063.1	1060.3
45°	5128.1	2266.6	1206.3	1159.5	1209.0	1222.8	1178.7	1060.3	1024.5	1019.0	1021.8
47.5°	5381.5	2175.7	1123.7	1107.1	1142.9	1145.7	1030.0	1002.5	972.2	963.9	958.4
50°	5342.9	2013.2	1016.3	1038.3	1087.9	1060.3	939.1	944.7	917.1	914.4	900.6
52.5°	5073.0	1757.1	908.8	961.2	1016.3	936.4	864.8	859.3	859.3	823.5	809.7
55°	4497.4	1415.6	779.4	845.5	911.6	787.7	768.4	762.9	749.1	716.1	707.8
57.5°	3561.0	1038.3	586.6	658.2	773.9	669.2	666.5	641.7	605.9	581.1	581.1
60°	2117.9	597.6	369.0	402.1	512.3	542.6	603.1	592.1	531.5	493.0	482.0
62.5°	966.7	308.5	234.1	239.6	275.4	352.5	473.7	548.1	462.7	396.6	391.1
65°	325.0	228.6	192.8	184.5	190.0	212.1	283.7	388.3	369.0	305.7	294.7
67.5°	198.3	203.8	181.8	168.0	168.0	165.2	162.5	176.3	217.6	212.1	214.8
70°	170.8	187.3	168.0	151.5	146.0	137.7	115.7	96.4	82.6	96.4	101.9
72.5°	137.7	148.7	143.2	129.4	115.7	104.7	82.6	63.3	46.8	41.3	41.3
75°	101.9	110.2	115.7	99.1	88.1	74.4	60.6	41.3	24.8	16.5	16.5
77.5°	74.4	82.6	85.4	77.1	66.1	52.3	38.6	27.5	13.8	5.5	5.5
80°	63.3	74.4	82.6	77.1	68.9	49.6	35.8	19.3	11.0	2.8	2.8
82.5°	60.6	74.4	82.6	74.4	66.1	46.8	35.8	22.0	8.3	2.8	2.8
85°	13.8	19.3	24.8	30.3	35.8	35.8	27.5	16.5	8.3	2.8	2.8
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.8	2.8	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)