

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: P452918

Luminaire Tested: **GLAN-SA3D-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19206 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

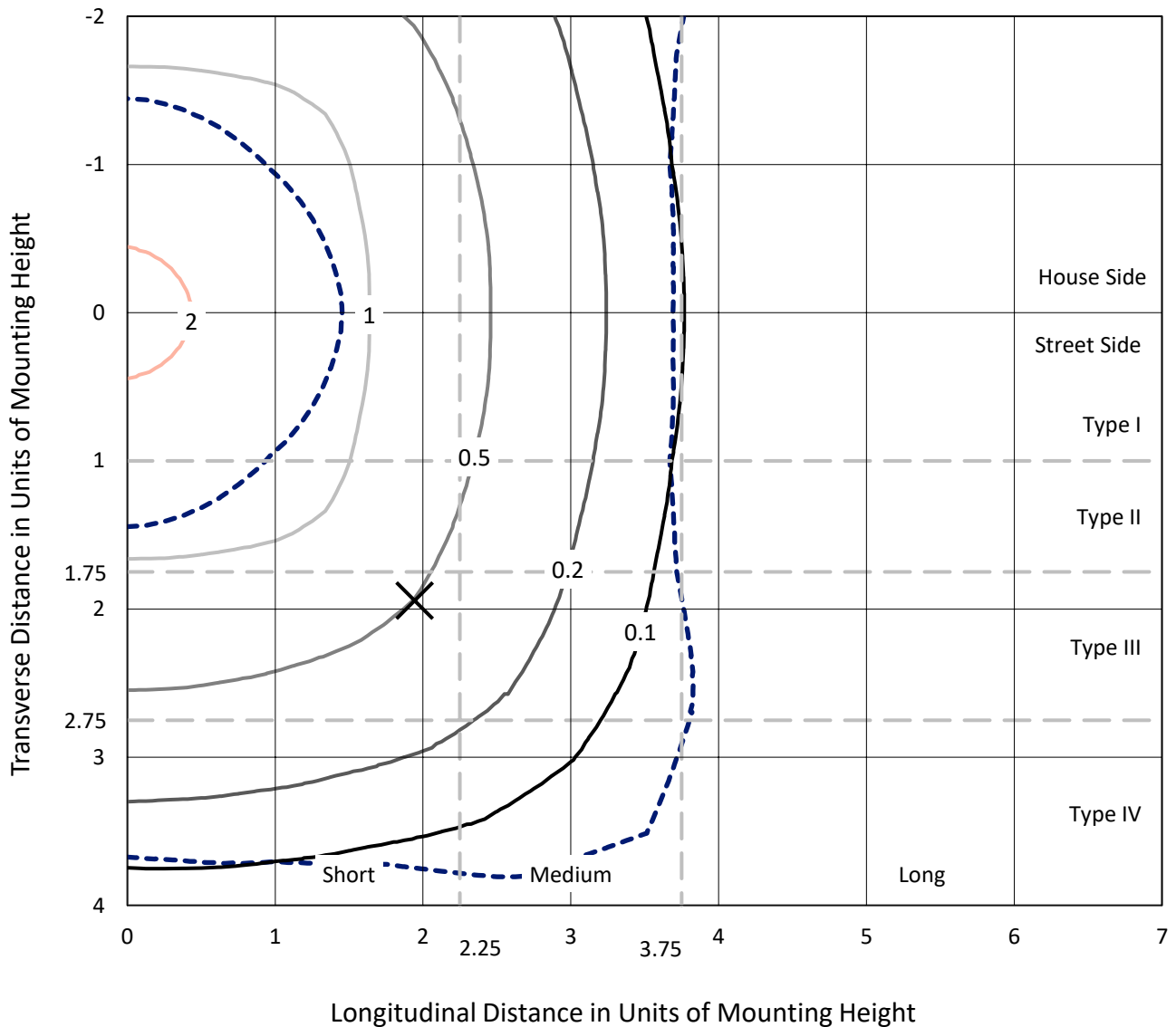
Input Watts (W): 184
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

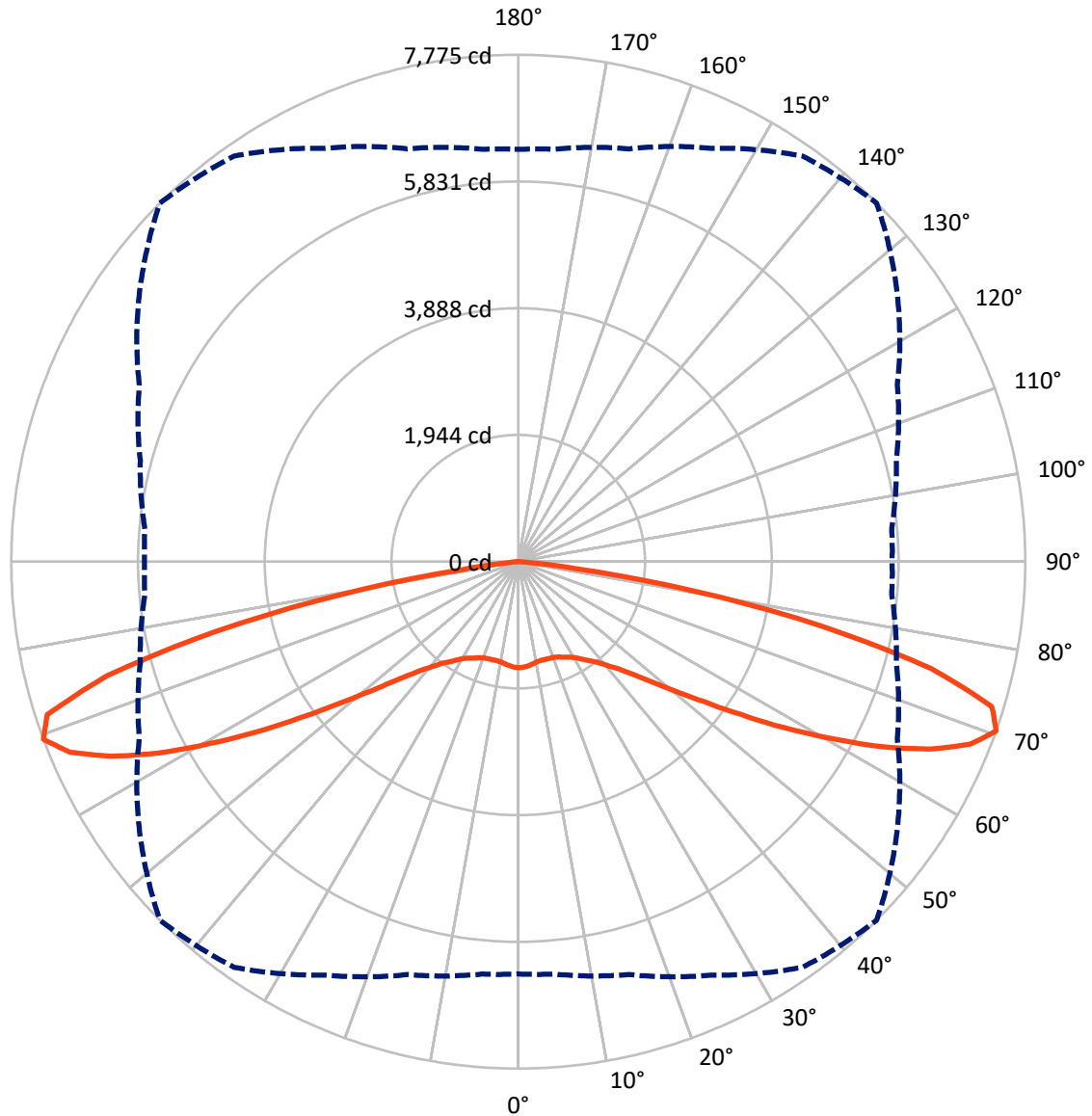
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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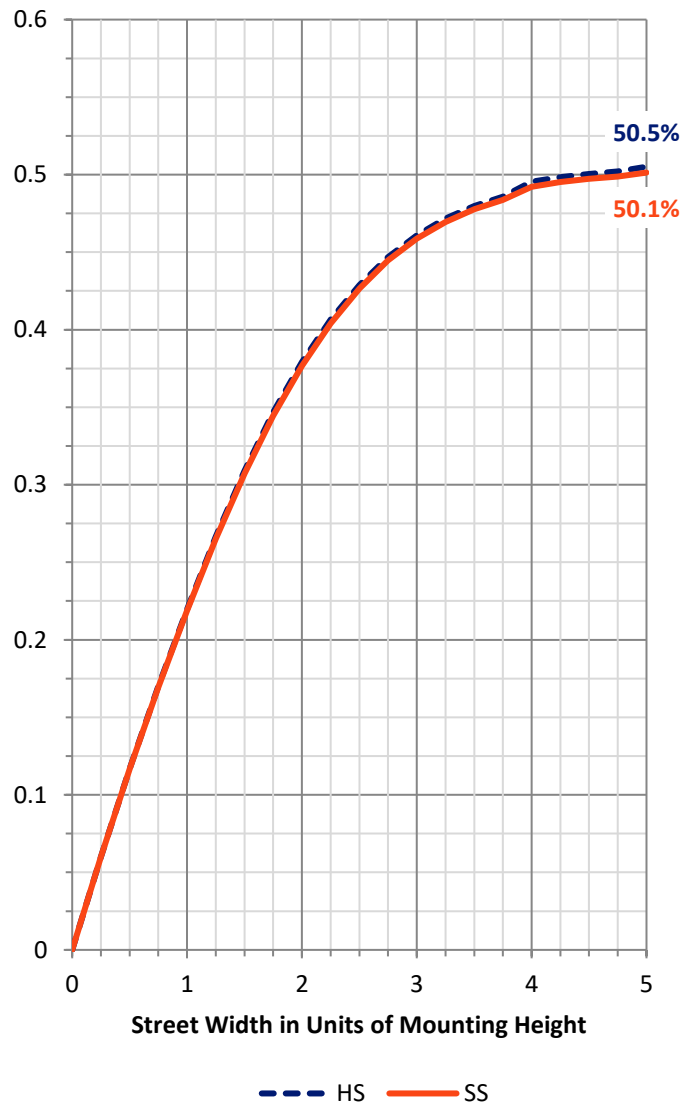
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9603.0	0.0	9603.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9603.0	0.0	9603.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19206.0	0.0	19206.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	0.8
10°-20°	445.2	2.3
20°-30°	758.5	3.9
30°-40°	1175.6	6.1
40°-50°	1978.7	10.3
50°-60°	3600.2	18.7
60°-70°	6095.1	31.7
70°-80°	4717.9	24.6
80°-90°	282.7	1.5
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°	19206.0	100.0
0°-180°	19206.0	100.0



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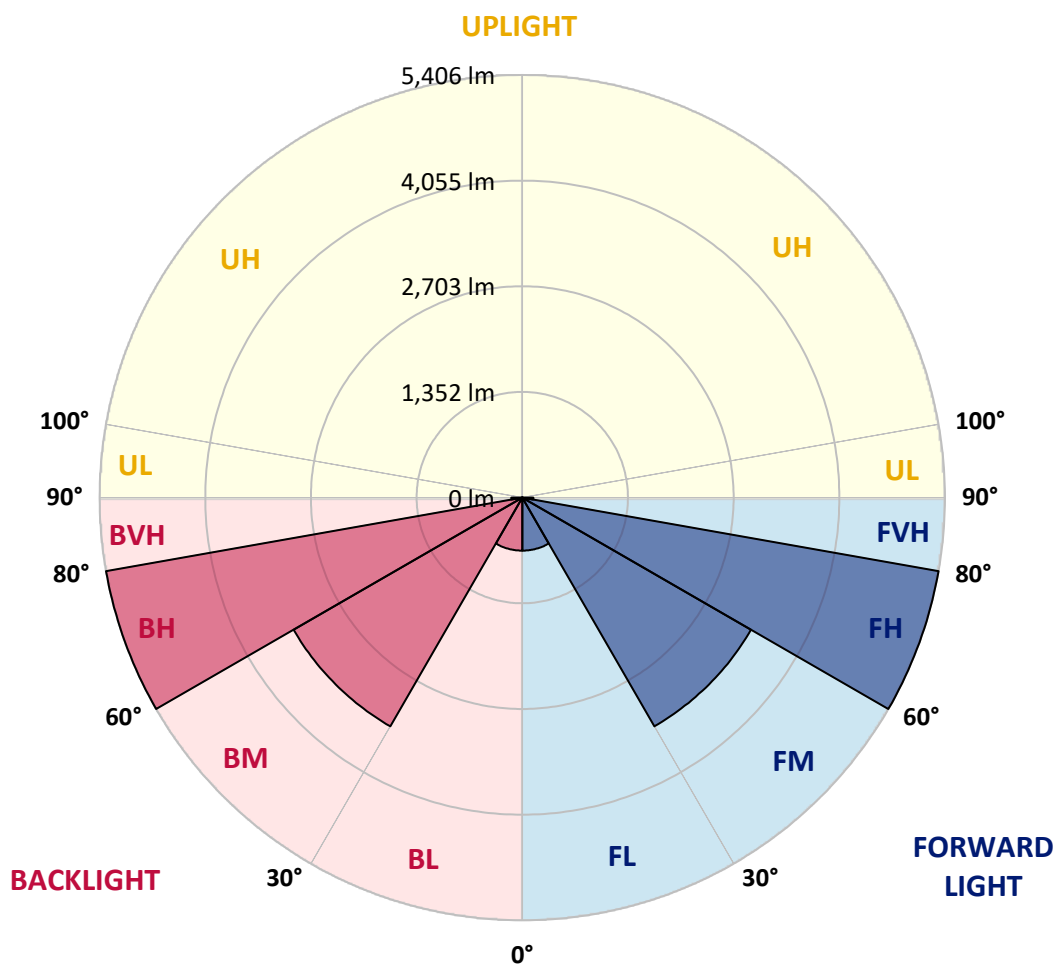
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.9	3.5			
FM (30°-60°)	3377.3	17.6			
FH (60°-80°)	5406.5	28.1			G3/7500
FVH (80°-90°)	141.4	0.7			G2/225
BL (0°-30°)	677.9	3.5	B2/1000		
BM (30°-60°)	3377.3	17.6	B3/5000		
BH (60°-80°)	5406.5	28.1	B5		G3/7500
BVH (80°-90°)	141.4	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0	1626.0
2.5°	1622.0	1623.0	1623.0	1621.0	1619.9	1619.9	1618.9	1618.9	1622.0	1623.0	1624.0
5°	1607.8	1607.8	1607.8	1606.8	1604.7	1604.7	1602.7	1602.7	1603.7	1606.8	1604.7
7.5°	1588.5	1590.5	1590.5	1586.5	1583.4	1583.4	1582.4	1583.4	1584.4	1587.5	1586.5
10°	1582.4	1583.4	1578.3	1571.2	1566.2	1563.1	1564.1	1566.2	1571.2	1573.3	1574.3
12.5°	1586.5	1586.5	1577.3	1567.2	1558.1	1554.0	1553.0	1560.1	1569.2	1575.3	1577.3
15°	1591.5	1589.5	1578.3	1565.2	1556.0	1555.0	1554.0	1559.1	1572.3	1584.4	1585.4
17.5°	1594.6	1593.6	1579.4	1563.1	1558.1	1558.1	1557.0	1561.1	1575.3	1590.5	1591.5
20°	1604.7	1601.7	1585.4	1568.2	1564.1	1566.2	1563.1	1568.2	1583.4	1601.7	1605.7
22.5°	1625.0	1622.0	1605.7	1588.5	1586.5	1586.5	1585.4	1590.5	1606.8	1626.0	1629.1
25°	1649.4	1646.3	1631.1	1618.9	1621.0	1625.0	1623.0	1624.0	1637.2	1653.4	1658.5
27.5°	1681.8	1676.7	1663.6	1653.4	1659.5	1659.5	1659.5	1658.5	1666.6	1681.8	1686.9
30°	1721.4	1719.3	1705.1	1704.1	1709.2	1704.1	1704.1	1705.1	1706.2	1720.4	1725.4
32.5°	1773.1	1769.0	1761.9	1759.9	1774.1	1778.2	1764.0	1750.8	1757.9	1772.1	1775.1
35°	1858.3	1852.2	1842.1	1830.9	1842.1	1861.4	1830.9	1820.8	1839.0	1858.3	1860.3
37.5°	1973.9	1970.9	1954.7	1934.4	1933.4	1953.7	1922.2	1921.2	1955.7	1979.0	1982.1
40°	2119.0	2122.0	2101.8	2082.5	2072.3	2088.6	2064.2	2073.4	2106.8	2133.2	2131.2
42.5°	2322.9	2311.7	2280.3	2262.0	2250.9	2244.8	2238.7	2252.9	2290.4	2318.8	2341.1
45°	2561.3	2557.2	2517.6	2495.3	2471.0	2461.9	2459.8	2485.2	2530.8	2565.3	2568.4
47.5°	2831.1	2822.0	2796.6	2773.3	2764.1	2753.0	2742.8	2762.1	2807.8	2832.1	2839.2
50°	3109.0	3111.0	3111.0	3107.0	3116.1	3118.2	3090.8	3097.9	3123.2	3121.2	3119.2
52.5°	3426.5	3437.7	3490.4	3495.5	3539.1	3568.5	3518.8	3489.4	3480.3	3425.5	3429.6
55°	3799.8	3809.9	3889.1	3968.2	4085.9	4135.6	4031.1	3939.8	3874.9	3791.7	3795.7
57.5°	4265.4	4270.5	4345.5	4497.7	4684.3	4801.0	4617.4	4436.8	4305.0	4225.8	4194.4
60°	4766.5	4771.6	4881.1	5066.7	5356.8	5498.9	5271.6	4976.5	4810.1	4689.4	4697.5
62.5°	5368.0	5388.3	5486.7	5742.3	6094.3	6253.5	5952.3	5557.7	5332.5	5182.4	5188.5
65°	6012.1	6046.6	6154.1	6435.1	6759.7	6931.1	6561.9	6106.5	5826.5	5642.9	5662.2
67.5°	6430.0	6460.5	6615.7	6926.1	7330.8	7472.8	6996.1	6465.5	6115.6	5896.5	5855.9
70°	6323.5	6348.9	6555.8	6996.1	7595.5	7775.1	7099.5	6412.8	6001.0	5748.4	5732.2
72.5°	5582.0	5529.3	5831.6	6463.5	7293.3	7594.5	6773.9	5856.9	5338.6	5078.9	5048.5
75°	3699.4	3814.0	4260.3	5004.9	6170.4	6543.7	5781.9	4702.6	4050.3	3834.3	3800.8
77.5°	1236.5	1324.8	1721.4	2837.2	4206.6	4767.5	4212.6	3075.5	2175.8	1752.8	1760.9
80°	327.6	323.6	418.9	780.0	1817.7	2761.1	2116.0	1041.8	570.1	412.8	391.5
82.5°	117.7	131.9	169.4	216.1	481.8	858.2	605.6	292.1	214.0	158.2	153.2
85°	51.7	50.7	73.0	86.2	120.7	160.3	142.0	123.8	108.5	72.0	66.9
87.5°	11.2	11.2	17.2	13.2	21.3	21.3	26.4	31.4	32.5	21.3	17.2
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)