

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: P286990

Luminaire Tested: **USSL-C01-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T5-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE V OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8029.8 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 52
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: 28.75 FT

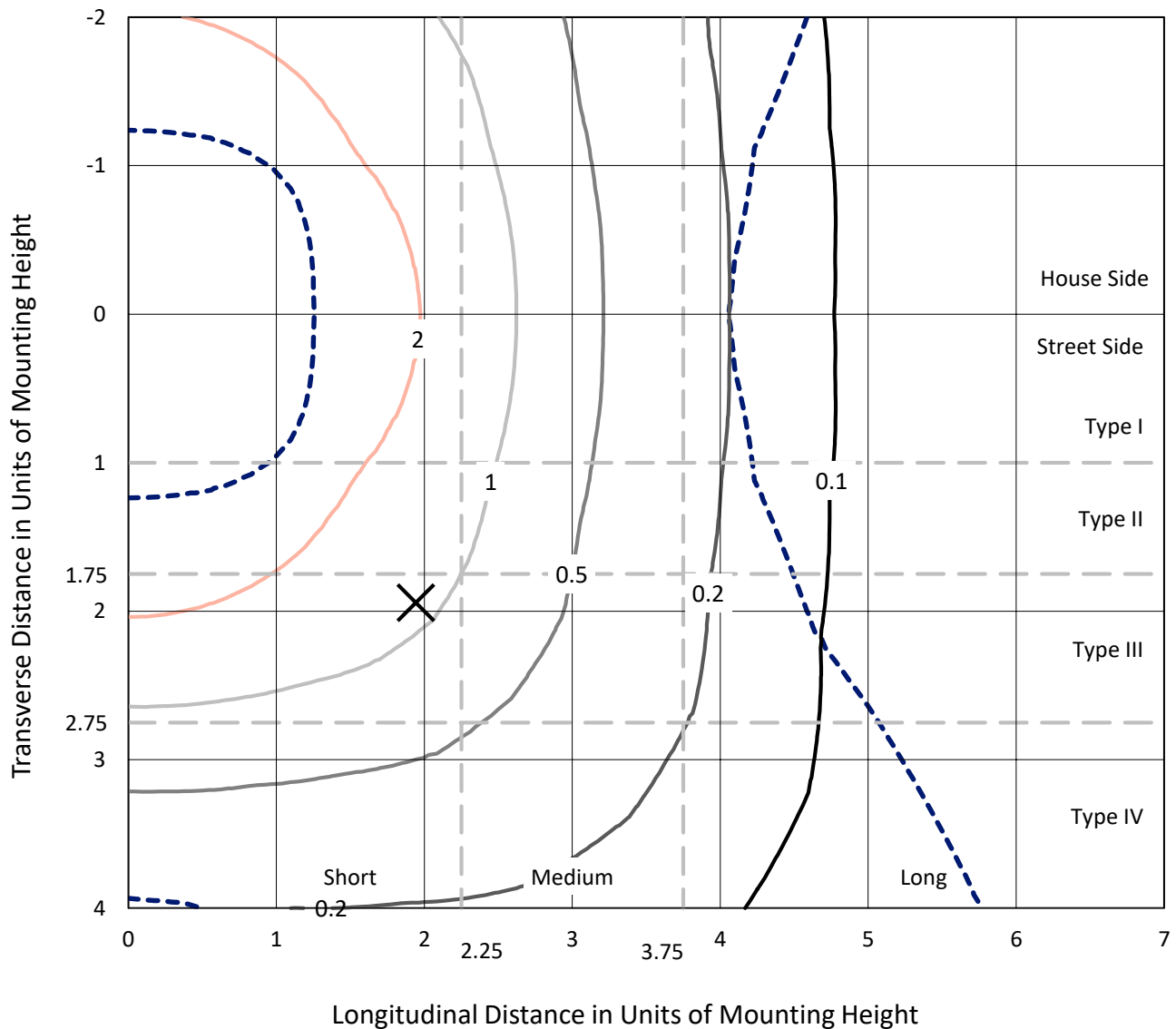


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

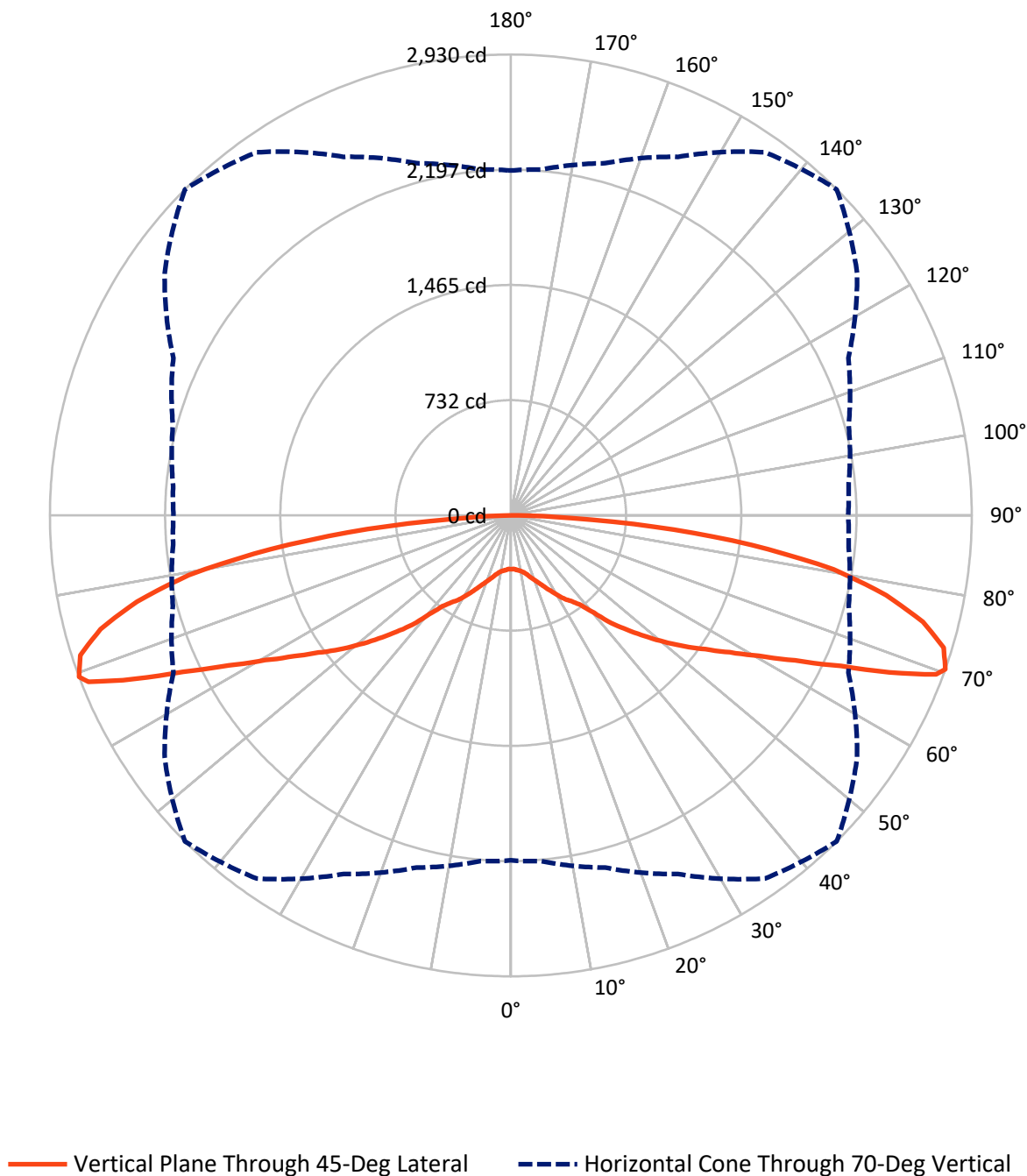


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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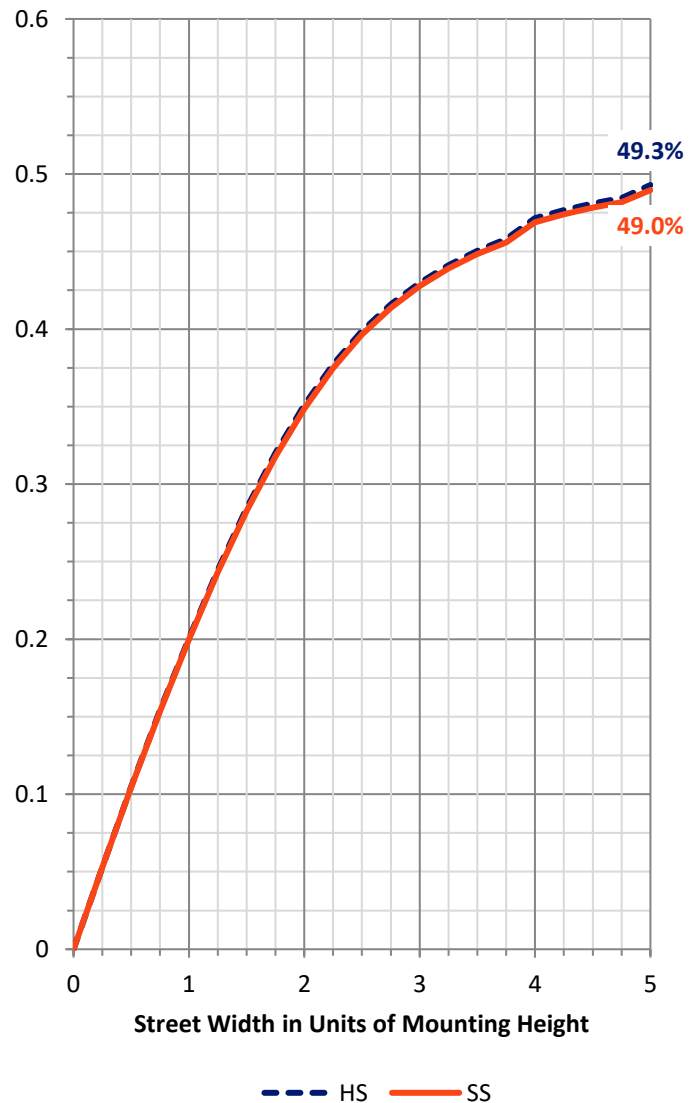
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4014.9	0.0	4014.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4014.9	0.0	4014.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8029.8	0.0	8029.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	0.4
10°-20°	112.0	1.4
20°-30°	231.7	2.9
30°-40°	424.4	5.3
40°-50°	840.6	10.5
50°-60°	1440.4	17.9
60°-70°	2267.9	28.2
70°-80°	2119.5	26.4
80°-90°	559.6	7.0
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°	8029.8	100.0
0°-180°	8029.8	100.0

Coefficient of Utilization



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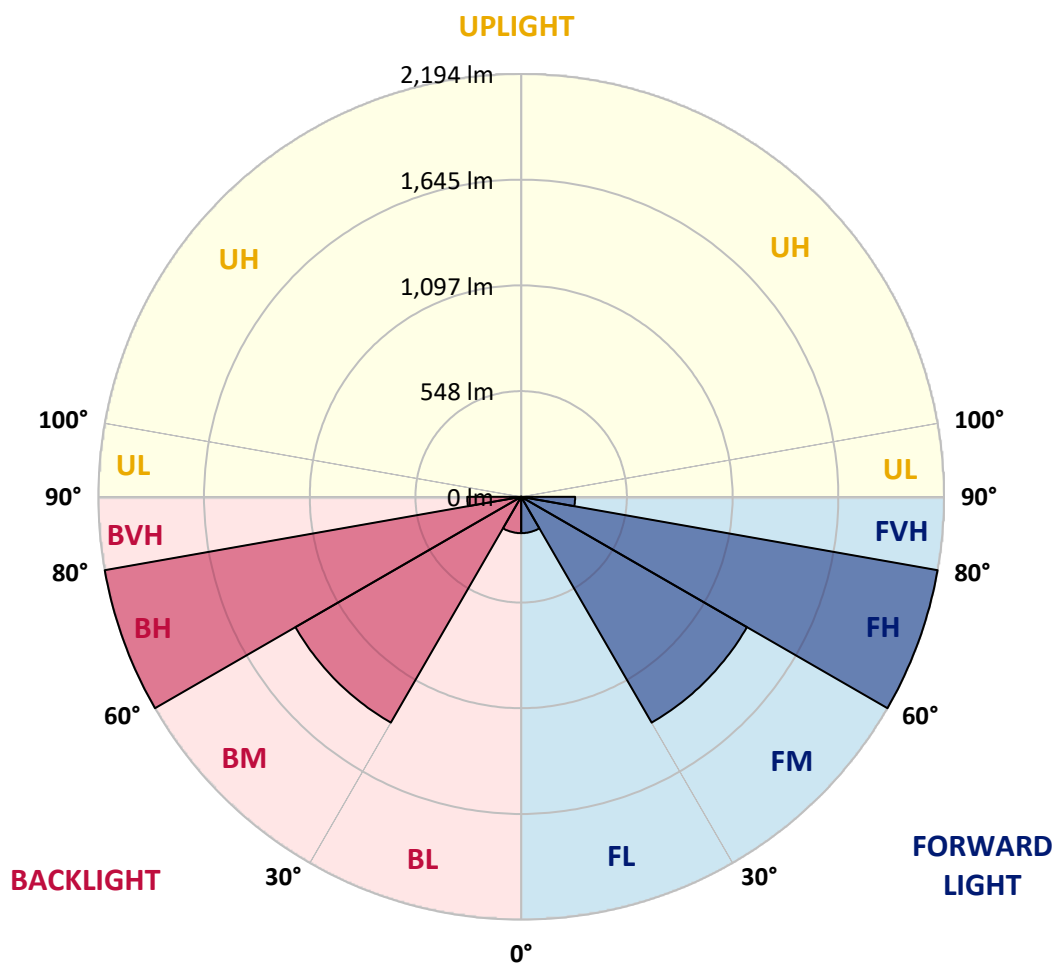
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.6	2.3			
FM	(30°-60°)	1352.7	16.8			
FH	(60°-80°)	2193.7	27.3			G2/5000
FVH	(80°-90°)	279.8	3.5			G3/500
BL	(0°-30°)	188.6	2.3	B1/500		
BM	(30°-60°)	1352.7	16.8	B2/2500		
BH	(60°-80°)	2193.7	27.3	B3/2500		G2/5000
BVH	(80°-90°)	279.8	3.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	346.4	346.7	346.0	342.3	341.9	340.9	340.4	341.9	341.9	341.9	341.2
5°	352.6	351.6	349.3	347.9	347.1	346.4	345.3	347.4	348.2	349.3	346.4
7.5°	356.7	356.7	356.3	353.7	354.9	352.6	350.8	352.6	354.1	353.4	353.1
10°	364.8	365.6	364.1	361.4	363.7	359.6	357.1	358.6	358.1	357.8	358.6
12.5°	375.8	376.6	374.8	372.6	375.5	371.8	369.2	368.8	368.1	367.8	366.6
15°	391.0	391.3	389.8	388.0	392.5	390.3	388.8	384.0	384.0	382.8	383.3
17.5°	409.0	410.8	409.8	409.8	416.8	415.3	409.0	403.5	405.3	402.8	402.8
20°	432.5	431.8	433.0	434.8	442.9	440.7	434.0	426.3	428.5	426.0	425.5
22.5°	459.9	460.2	461.0	462.4	474.2	470.2	463.2	456.9	456.5	455.1	455.4
25°	491.9	491.6	489.4	494.9	508.1	504.1	495.6	491.2	491.9	491.9	492.3
27.5°	524.3	521.8	521.0	521.4	547.2	545.0	531.8	523.6	525.1	528.0	529.1
30°	556.8	556.0	554.2	552.0	581.5	589.2	565.6	560.8	562.7	567.5	568.5
32.5°	600.6	598.7	596.9	591.4	610.2	634.6	604.4	605.4	610.6	617.9	619.1
35°	649.3	649.6	644.4	639.6	650.4	671.3	656.6	658.1	669.5	679.5	682.0
37.5°	708.5	709.7	701.2	691.3	700.8	723.0	713.0	728.5	757.2	773.4	780.1
40°	808.5	805.8	793.3	774.6	783.4	813.3	824.0	843.8	883.6	906.1	914.6
42.5°	947.8	942.9	926.4	906.4	909.1	934.8	950.3	989.0	1031.7	1054.9	1059.4
45°	1080.8	1078.6	1060.1	1024.4	1013.7	1036.5	1056.1	1104.3	1150.7	1175.1	1185.1
47.5°	1230.3	1228.5	1202.7	1156.7	1137.5	1147.8	1161.1	1216.7	1257.3	1283.8	1289.7
50°	1390.6	1386.2	1358.6	1302.2	1266.5	1262.8	1277.9	1325.4	1372.3	1395.5	1393.6
52.5°	1553.5	1551.7	1522.9	1453.7	1406.8	1382.9	1389.2	1429.7	1475.1	1504.5	1506.3
55°	1721.9	1723.4	1691.0	1607.7	1544.0	1501.6	1497.9	1544.7	1590.0	1615.1	1622.1
57.5°	1896.2	1896.6	1855.7	1779.0	1697.5	1641.9	1622.4	1674.3	1717.1	1739.6	1752.4
60°	2058.6	2062.4	2028.4	1965.5	1887.7	1813.0	1781.3	1826.9	1871.1	1903.2	1903.6
62.5°	2244.0	2241.5	2210.1	2158.9	2109.9	2028.9	1969.9	2018.2	2063.5	2092.2	2105.8
65°	2421.7	2426.0	2418.7	2398.0	2369.7	2307.8	2231.5	2297.4	2327.6	2326.2	2339.4
67.5°	2372.6	2392.9	2441.5	2545.8	2653.4	2679.2	2558.4	2414.7	2350.1	2309.6	2296.4
69°	2277.2	2299.7	2385.9	2541.0	2770.9	2885.9	2656.7	2386.3	2286.7	2230.3	2218.6
70°	2192.4	2206.1	2317.4	2514.8	2817.4	2929.8	2686.5	2366.8	2223.4	2154.9	2144.2
72.5°	1932.3	1959.5	2083.0	2376.0	2785.7	2876.7	2675.5	2237.8	2043.2	1932.6	1920.9
75°	1593.3	1620.9	1790.4	2121.3	2608.1	2705.7	2506.8	2006.4	1755.4	1648.6	1626.4
77.5°	1135.3	1155.5	1352.6	1749.6	2306.7	2439.4	2224.5	1680.3	1410.2	1291.5	1263.2
80°	664.8	672.8	867.7	1246.2	1839.5	2080.8	1836.2	1303.7	1007.8	877.4	858.9
82.5°	250.2	312.9	461.4	770.4	1255.5	1543.5	1353.8	889.9	601.7	466.9	449.9
85°	76.3	104.3	197.1	381.8	690.5	915.6	851.9	493.8	249.8	142.6	124.5
87.5°	13.2	17.0	45.4	122.7	255.0	257.6	199.7	90.6	18.0	6.7	6.3
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)