

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: P286994

Luminaire Tested: **USSL-C01-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286994
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-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE V OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8176.1 lumens
Efficiency: N/A
Efficacy: 157.2 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

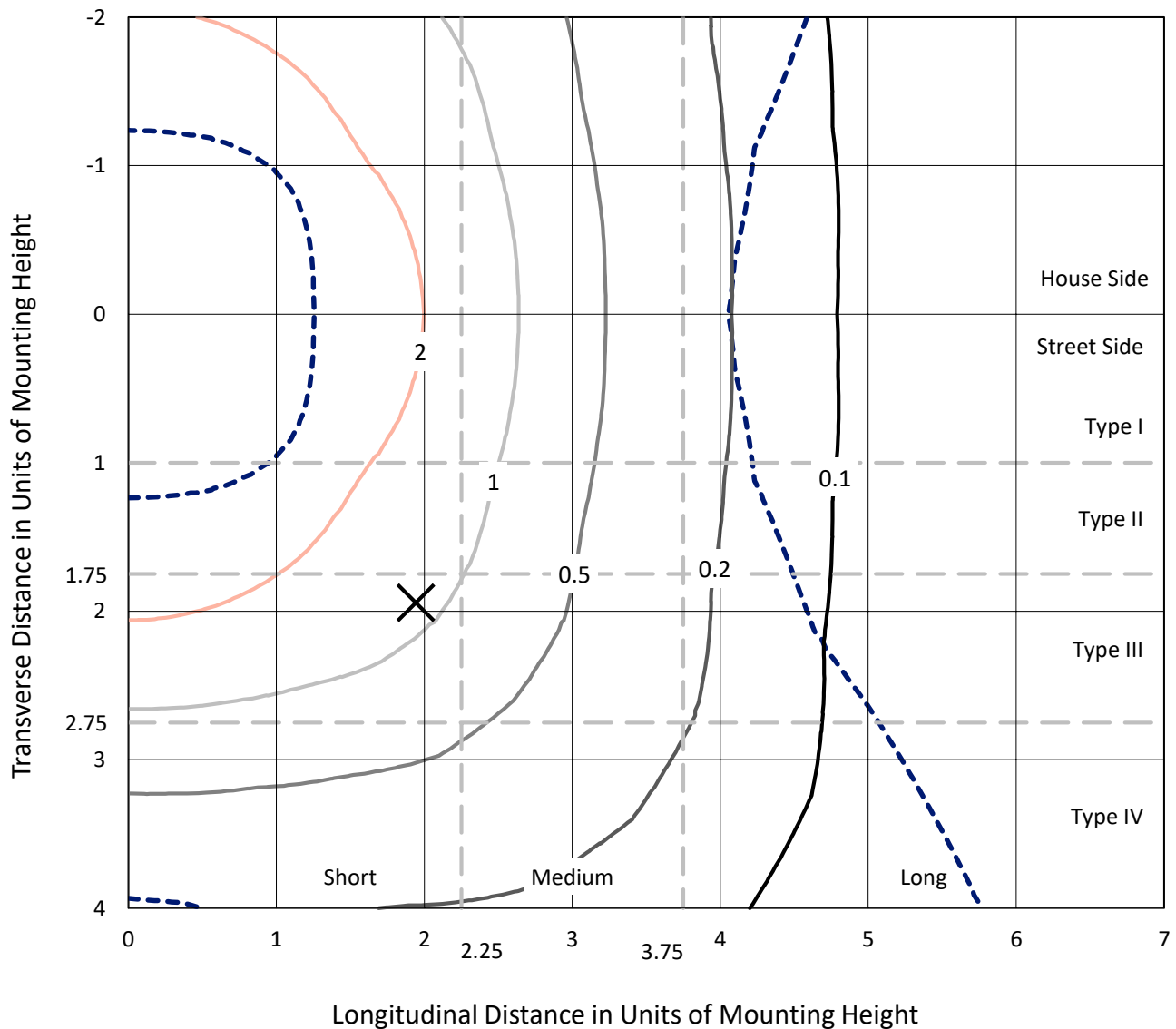


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

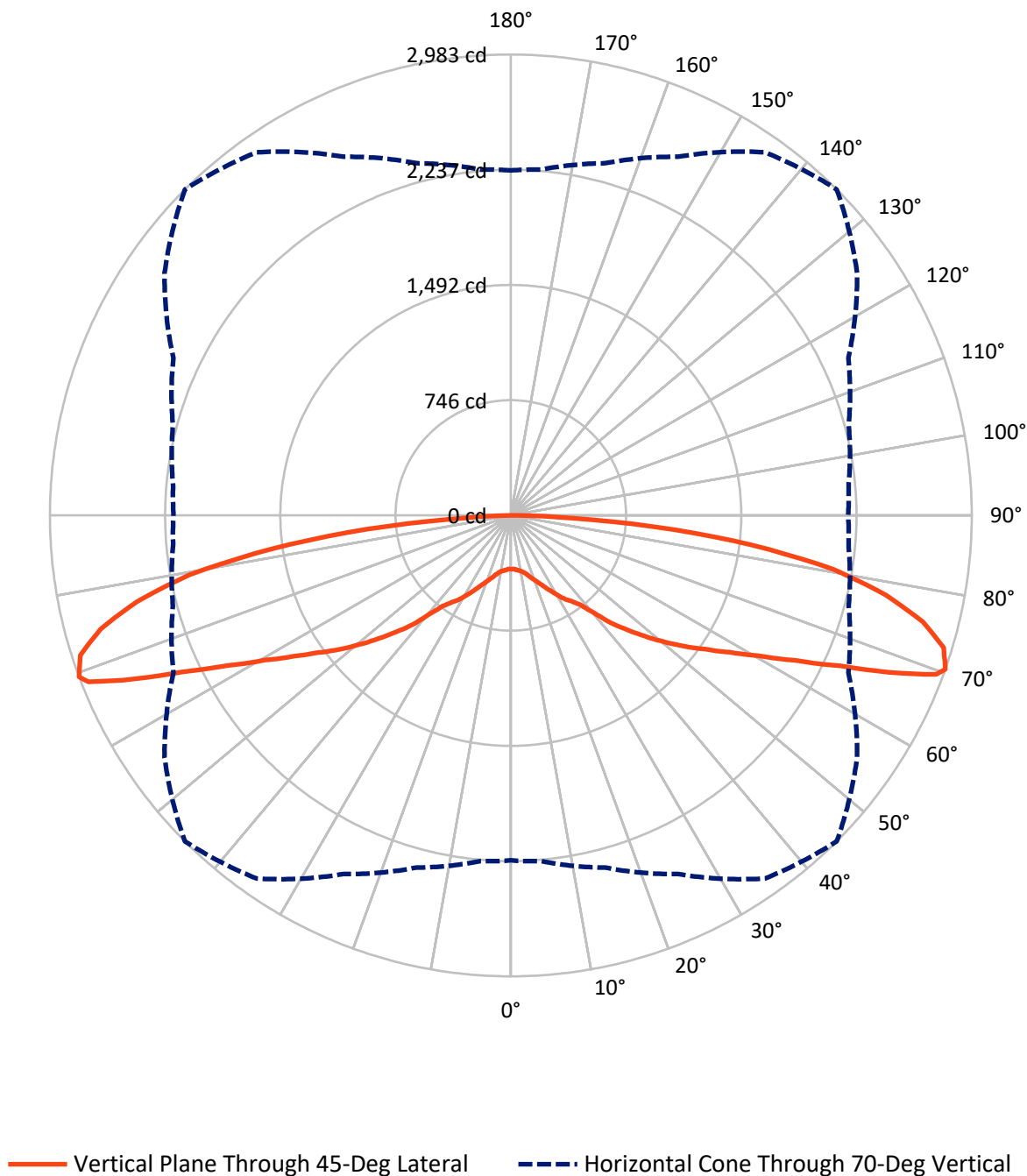


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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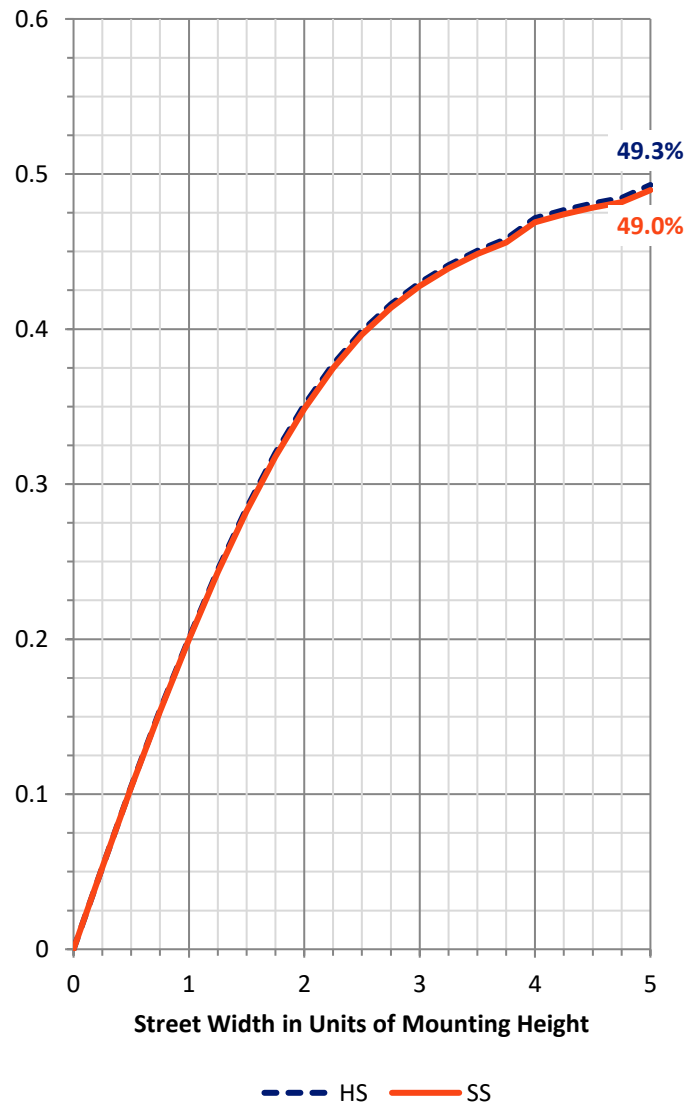
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4088.0	0.0	4088.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4088.0	0.0	4088.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8176.1	0.0	8176.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	0.4
10°-20°	114.0	1.4
20°-30°	235.9	2.9
30°-40°	432.2	5.3
40°-50°	855.9	10.5
50°-60°	1466.7	17.9
60°-70°	2309.2	28.2
70°-80°	2158.1	26.4
80°-90°	569.8	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°	8176.1	100.0
0°-180°	8176.1	100.0

Coefficient of Utilization



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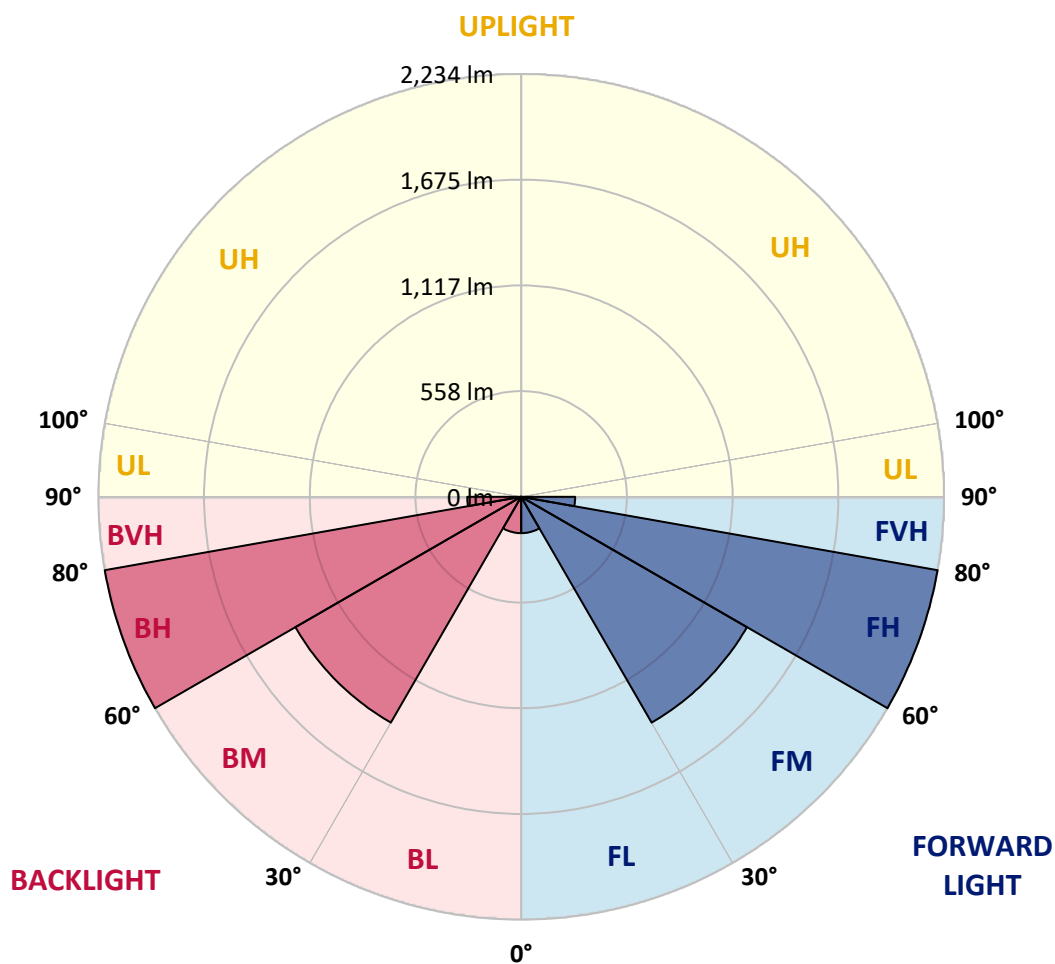
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.1	2.3			
FM	(30°-60°)	1377.4	16.8			
FH	(60°-80°)	2233.7	27.3			G2/5000
FVH	(80°-90°)	284.9	3.5			G3/500
BL	(0°-30°)	192.1	2.3	B1/500		
BM	(30°-60°)	1377.4	16.8	B2/2500		
BH	(60°-80°)	2233.7	27.3	B3/2500		G2/5000
BVH	(80°-90°)	284.9	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°	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8	347.8
2.5°	352.6	353.1	352.3	348.6	348.2	347.0	346.7	348.2	348.2	348.2	347.4
5°	359.1	357.9	355.7	354.2	353.5	352.6	351.6	353.8	354.5	355.7	352.6
7.5°	363.2	363.2	362.8	360.2	361.3	359.1	357.2	359.1	360.6	359.8	359.4
10°	371.4	372.2	370.6	368.1	370.3	366.2	363.5	365.0	364.7	364.3	365.0
12.5°	382.7	383.5	381.6	379.3	382.3	378.6	375.9	375.5	374.8	374.5	373.3
15°	398.1	398.4	396.9	395.0	399.6	397.4	395.9	391.0	391.0	389.8	390.1
17.5°	416.4	418.3	417.2	417.2	424.4	422.8	416.4	410.8	412.7	410.1	410.1
20°	440.5	439.8	440.8	442.7	451.0	448.8	442.0	434.1	436.4	433.7	433.4
22.5°	468.3	468.6	469.3	470.9	482.9	478.8	471.7	465.2	464.9	463.4	463.7
25°	500.9	500.5	498.3	503.9	517.3	513.3	504.6	500.2	500.9	500.9	501.2
27.5°	533.9	531.2	530.5	530.9	557.2	554.9	541.4	533.1	534.6	537.7	538.7
30°	566.9	566.2	564.3	562.1	592.1	599.9	575.9	571.1	572.9	577.8	578.9
32.5°	611.6	609.7	607.9	602.1	621.3	646.1	615.3	616.4	621.7	629.2	630.3
35°	661.1	661.5	656.2	651.3	662.2	683.6	668.6	670.1	681.7	691.8	694.4
37.5°	721.5	722.6	713.9	703.9	713.6	736.1	726.0	741.7	771.0	787.5	794.3
40°	823.1	820.6	807.7	788.7	797.7	828.0	838.9	859.2	899.7	922.6	931.2
42.5°	965.0	960.1	943.2	923.0	925.6	951.9	967.6	1007.0	1050.6	1074.2	1078.7
45°	1100.4	1098.2	1079.4	1043.0	1032.1	1055.4	1075.3	1124.4	1171.7	1196.5	1206.6
47.5°	1252.8	1250.9	1224.6	1177.8	1158.3	1168.8	1182.2	1238.9	1280.1	1307.2	1313.1
50°	1415.9	1411.5	1383.3	1325.9	1289.5	1285.8	1301.1	1349.6	1397.2	1420.8	1419.0
52.5°	1581.8	1579.9	1550.6	1480.2	1432.5	1408.1	1414.4	1455.8	1501.9	1531.9	1533.8
55°	1753.3	1754.8	1721.7	1636.9	1572.0	1528.9	1525.2	1572.8	1618.9	1644.4	1651.5
57.5°	1930.7	1931.1	1889.5	1811.4	1728.5	1671.9	1652.0	1704.8	1748.4	1771.3	1784.4
60°	2096.2	2100.0	2065.4	2001.3	1922.1	1845.9	1813.7	1860.2	1905.2	1937.8	1938.2
62.5°	2284.9	2282.3	2250.4	2198.2	2148.3	2065.7	2005.8	2054.9	2101.0	2130.3	2144.2
65°	2465.8	2470.2	2462.8	2441.7	2412.9	2349.8	2272.1	2339.3	2370.0	2368.6	2382.1
67.5°	2415.8	2436.5	2486.0	2592.2	2701.8	2728.0	2604.9	2458.7	2392.9	2351.7	2338.1
69°	2318.6	2341.5	2429.4	2587.3	2821.5	2938.5	2705.1	2429.7	2328.4	2271.0	2259.0
70°	2232.4	2246.2	2359.5	2560.7	2868.7	2983.1	2735.5	2409.8	2263.8	2194.1	2183.2
72.5°	1967.5	1995.3	2121.0	2419.2	2836.4	2929.1	2724.3	2278.6	2080.4	1967.9	1955.8
75°	1622.3	1650.5	1823.0	2160.0	2655.6	2755.0	2552.5	2043.0	1787.4	1678.6	1656.1
77.5°	1155.9	1176.6	1377.3	1781.4	2348.6	2483.8	2265.0	1710.9	1435.8	1315.0	1286.2
80°	676.9	685.1	883.5	1268.9	1872.9	2118.7	1869.6	1327.4	1026.2	893.3	874.5
82.5°	254.8	318.5	469.7	784.5	1278.2	1571.6	1378.4	906.1	612.7	475.4	458.1
85°	77.7	106.2	200.7	388.7	703.1	932.4	867.4	502.7	254.4	145.2	126.8
87.5°	13.5	17.3	46.1	125.0	259.7	262.2	203.4	92.3	18.3	6.8	6.4
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)