

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, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7576 lumens
Efficiency: N/A
Efficacy: 145.7 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



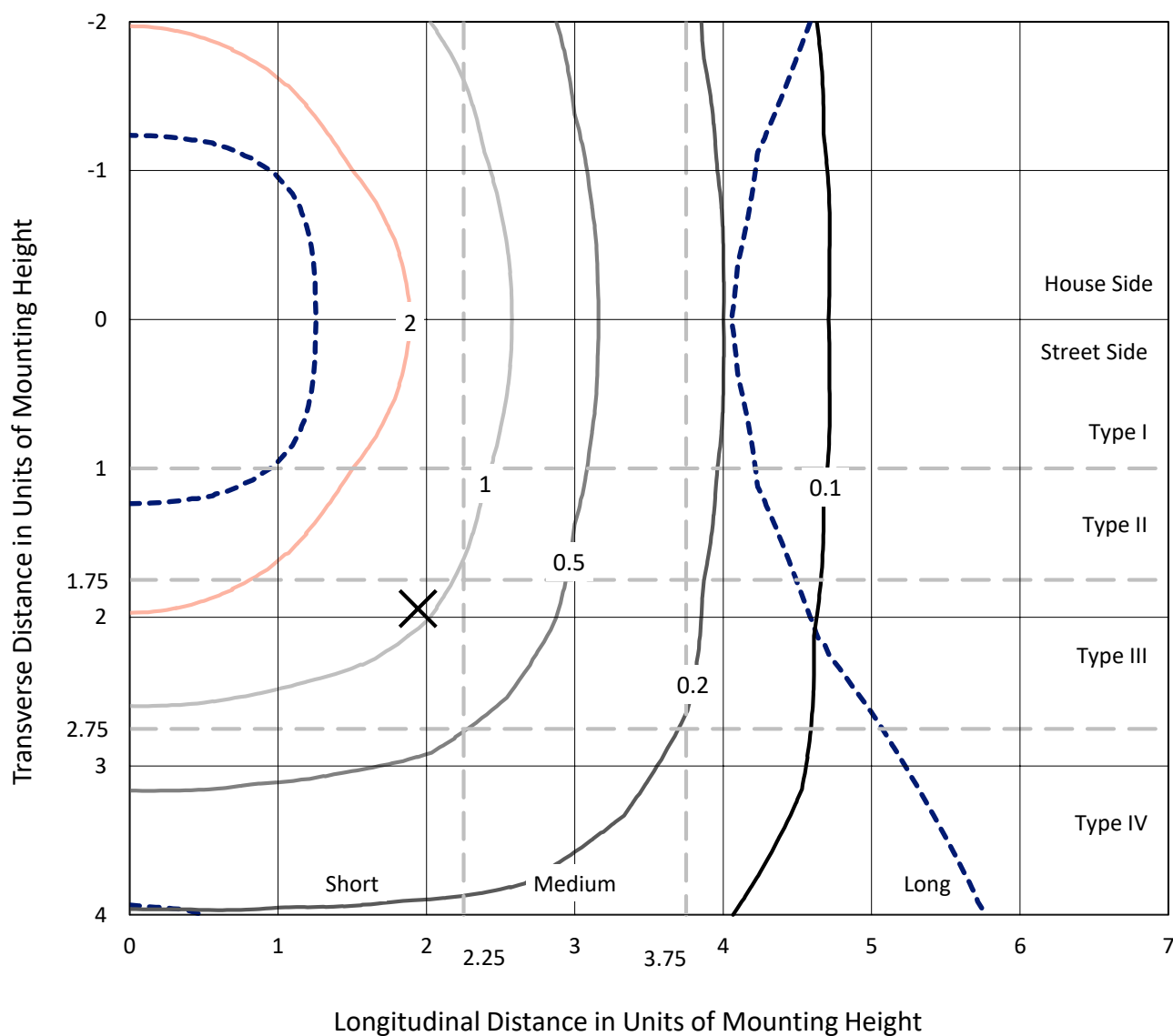
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

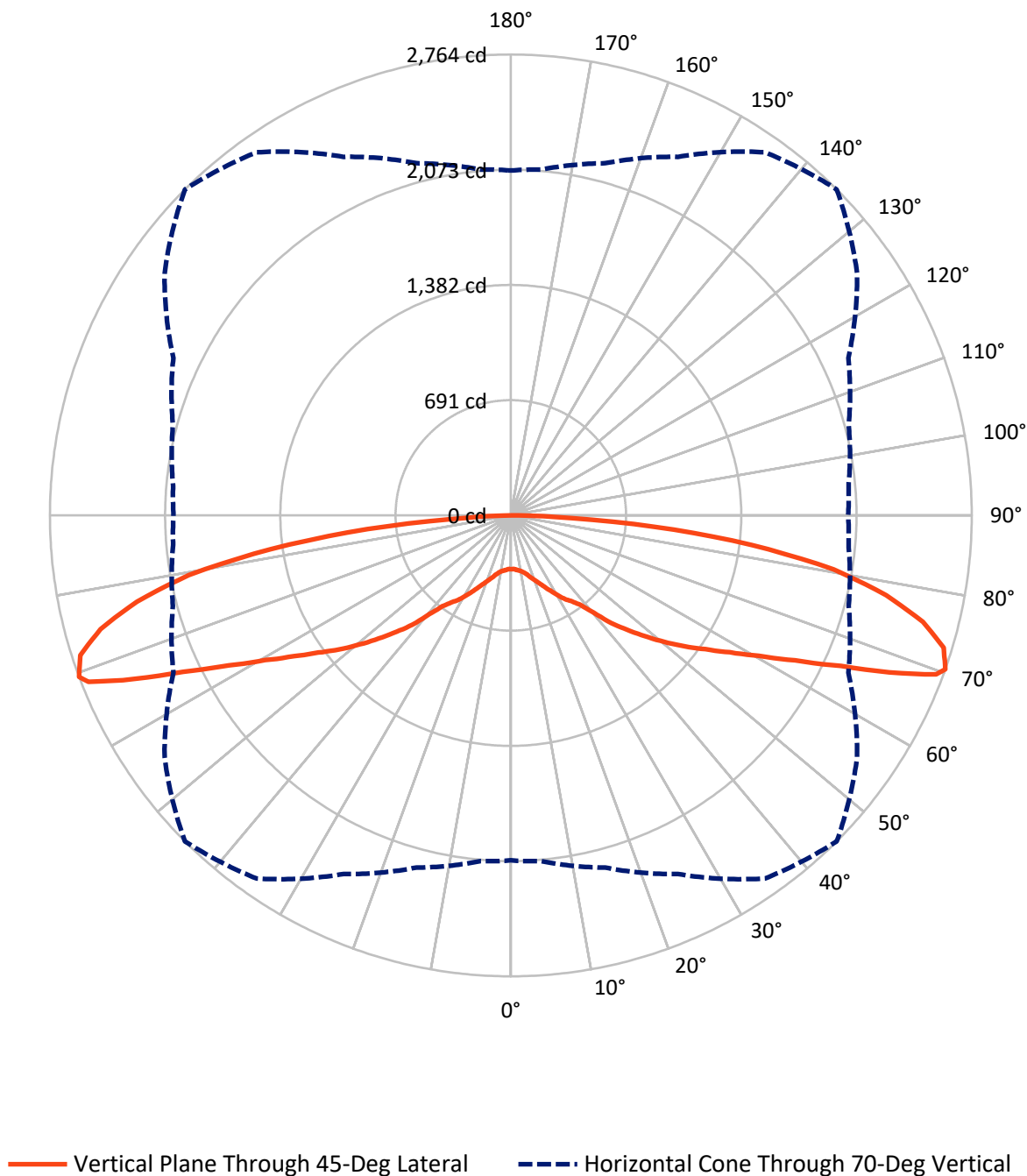


Based on 10 foot mounting height. Maximum calculated value = 4 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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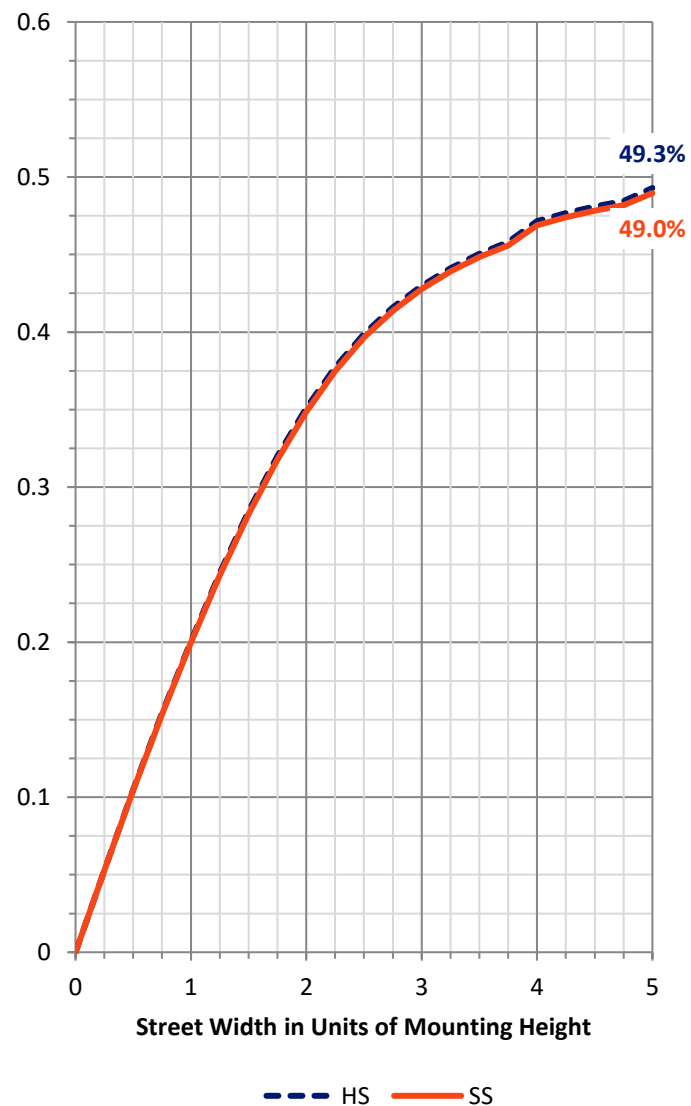
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3788.0	0.0	3788.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3788.0	0.0	3788.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7576.0	0.0	7576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	0.4
10°-20°	105.7	1.4
20°-30°	218.6	2.9
30°-40°	400.5	5.3
40°-50°	793.1	10.5
50°-60°	1359.0	17.9
60°-70°	2139.7	28.2
70°-80°	1999.7	26.4
80°-90°	528.0	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°	7576.0	100.0
0°-180°	7576.0	100.0

Coefficient of Utilization



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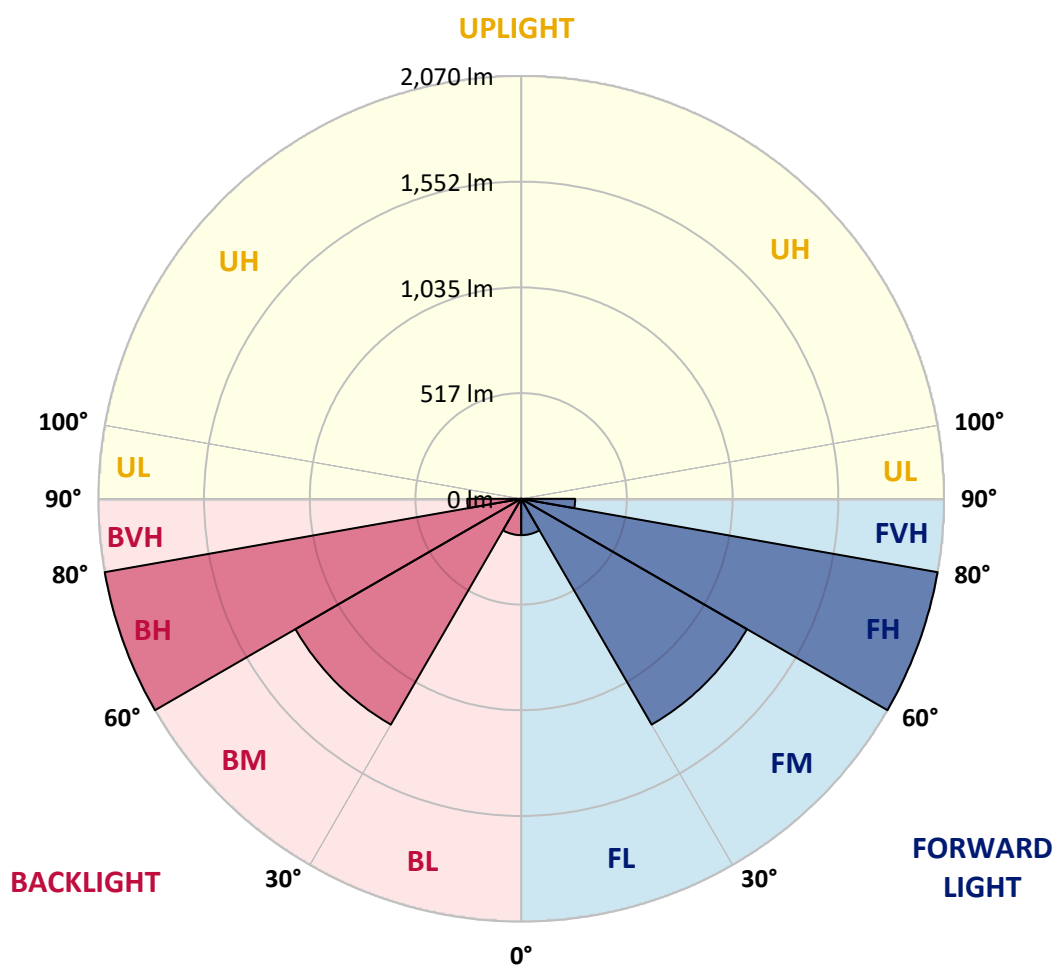
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.0	2.3			
FM	(30°-60°)	1276.3	16.8			
FH	(60°-80°)	2069.7	27.3			G2/5000
FVH	(80°-90°)	264.0	3.5			G3/500
BL	(0°-30°)	178.0	2.3	B1/500		
BM	(30°-60°)	1276.3	16.8	B2/2500		
BH	(60°-80°)	2069.7	27.3	B3/2500		G2/5000
BVH	(80°-90°)	264.0	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°	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3
2.5°	326.8	327.1	326.4	323.0	322.6	321.6	321.2	322.6	322.6	322.6	321.9
5°	332.7	331.7	329.6	328.2	327.5	326.8	325.8	327.8	328.5	329.6	326.8
7.5°	336.5	336.5	336.2	333.7	334.8	332.7	331.0	332.7	334.1	333.4	333.1
10°	344.2	344.9	343.5	341.0	343.1	339.3	336.9	338.3	337.9	337.6	338.3
12.5°	354.6	355.3	353.6	351.5	354.3	350.8	348.3	348.0	347.3	347.0	345.9
15°	368.9	369.2	367.8	366.1	370.3	368.2	366.8	362.3	362.3	361.2	361.6
17.5°	385.9	387.6	386.6	386.6	393.2	391.8	385.9	380.7	382.4	380.0	380.0
20°	408.1	407.4	408.5	410.2	417.9	415.8	409.5	402.2	404.3	401.9	401.5
22.5°	433.9	434.2	434.9	436.3	447.4	443.6	437.0	431.1	430.7	429.4	429.7
25°	464.1	463.8	461.7	466.9	479.4	475.6	467.6	463.4	464.1	464.1	464.5
27.5°	494.7	492.3	491.6	491.9	516.3	514.2	501.7	494.0	495.4	498.2	499.2
30°	525.3	524.6	522.9	520.8	548.6	555.9	533.6	529.1	530.9	535.4	536.4
32.5°	566.7	564.9	563.2	558.0	575.7	598.7	570.2	571.2	576.1	583.0	584.1
35°	612.6	612.9	608.0	603.5	613.6	633.4	619.5	620.9	631.7	641.1	643.5
37.5°	668.5	669.6	661.6	652.2	661.2	682.1	672.7	687.3	714.4	729.7	736.0
40°	762.8	760.3	748.5	730.8	739.1	767.3	777.4	796.1	833.7	854.9	862.9
42.5°	894.2	889.6	874.0	855.2	857.7	882.0	896.6	933.1	973.4	995.3	999.5
45°	1019.7	1017.6	1000.2	966.5	956.4	977.9	996.4	1041.9	1085.7	1108.7	1118.1
47.5°	1160.8	1159.1	1134.7	1091.3	1073.2	1082.9	1095.5	1147.9	1186.2	1211.2	1216.8
50°	1312.0	1307.9	1281.8	1228.6	1194.9	1191.4	1205.7	1250.5	1294.7	1316.6	1314.8
52.5°	1465.7	1464.0	1436.8	1371.5	1327.3	1304.7	1310.7	1348.9	1391.7	1419.5	1421.2
55°	1624.6	1626.0	1595.4	1516.8	1456.7	1416.7	1413.2	1457.4	1500.1	1523.8	1530.4
57.5°	1789.0	1789.4	1750.8	1678.5	1601.6	1549.1	1530.7	1579.7	1620.1	1641.3	1653.4
60°	1942.3	1945.8	1913.8	1854.4	1781.0	1710.5	1680.6	1723.7	1765.4	1795.6	1796.0
62.5°	2117.2	2114.8	2085.2	2036.9	1990.7	1914.2	1858.6	1904.1	1946.9	1974.0	1986.8
65°	2284.8	2288.9	2282.0	2262.5	2235.8	2177.4	2105.4	2167.6	2196.1	2194.7	2207.2
67.5°	2238.5	2257.7	2303.5	2401.9	2503.4	2527.8	2413.8	2278.2	2217.3	2179.1	2166.6
69°	2148.5	2169.7	2251.1	2397.4	2614.3	2722.8	2506.6	2251.4	2157.5	2104.3	2093.2
70°	2068.5	2081.4	2186.4	2372.7	2658.2	2764.2	2534.7	2233.0	2097.7	2033.1	2023.0
72.5°	1823.1	1848.8	1965.3	2241.7	2628.3	2714.1	2524.3	2111.3	1927.7	1823.4	1812.3
75°	1503.3	1529.3	1689.2	2001.4	2460.7	2552.8	2365.1	1893.0	1656.2	1555.4	1534.5
77.5°	1071.1	1090.2	1276.2	1650.7	2176.3	2301.5	2098.8	1585.3	1330.5	1218.5	1191.8
80°	627.2	634.8	818.7	1175.8	1735.5	1963.2	1732.4	1230.0	950.8	827.8	810.4
82.5°	236.1	295.2	435.3	726.9	1184.5	1456.3	1277.3	839.6	567.7	440.5	424.5
85°	72.0	98.4	186.0	360.2	651.5	863.9	803.8	465.9	235.7	134.5	117.5
87.5°	12.5	16.0	42.8	115.8	240.6	243.0	188.4	85.5	17.0	6.3	5.9
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)