

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: P286986

Luminaire Tested: **USSL-C01-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286986
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-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE V OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7883.5 lumens
Efficiency: N/A
Efficacy: 151.6 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



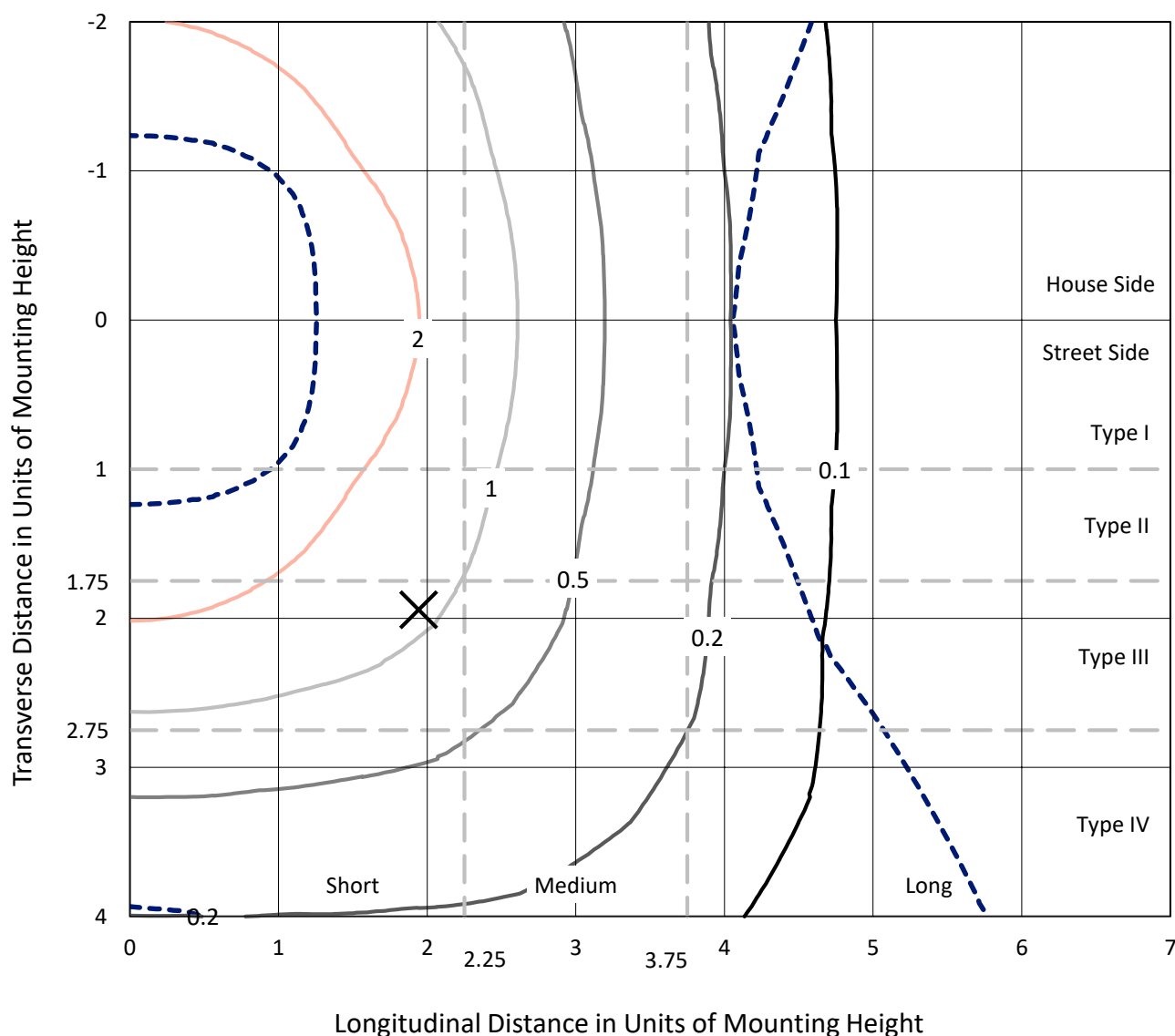
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

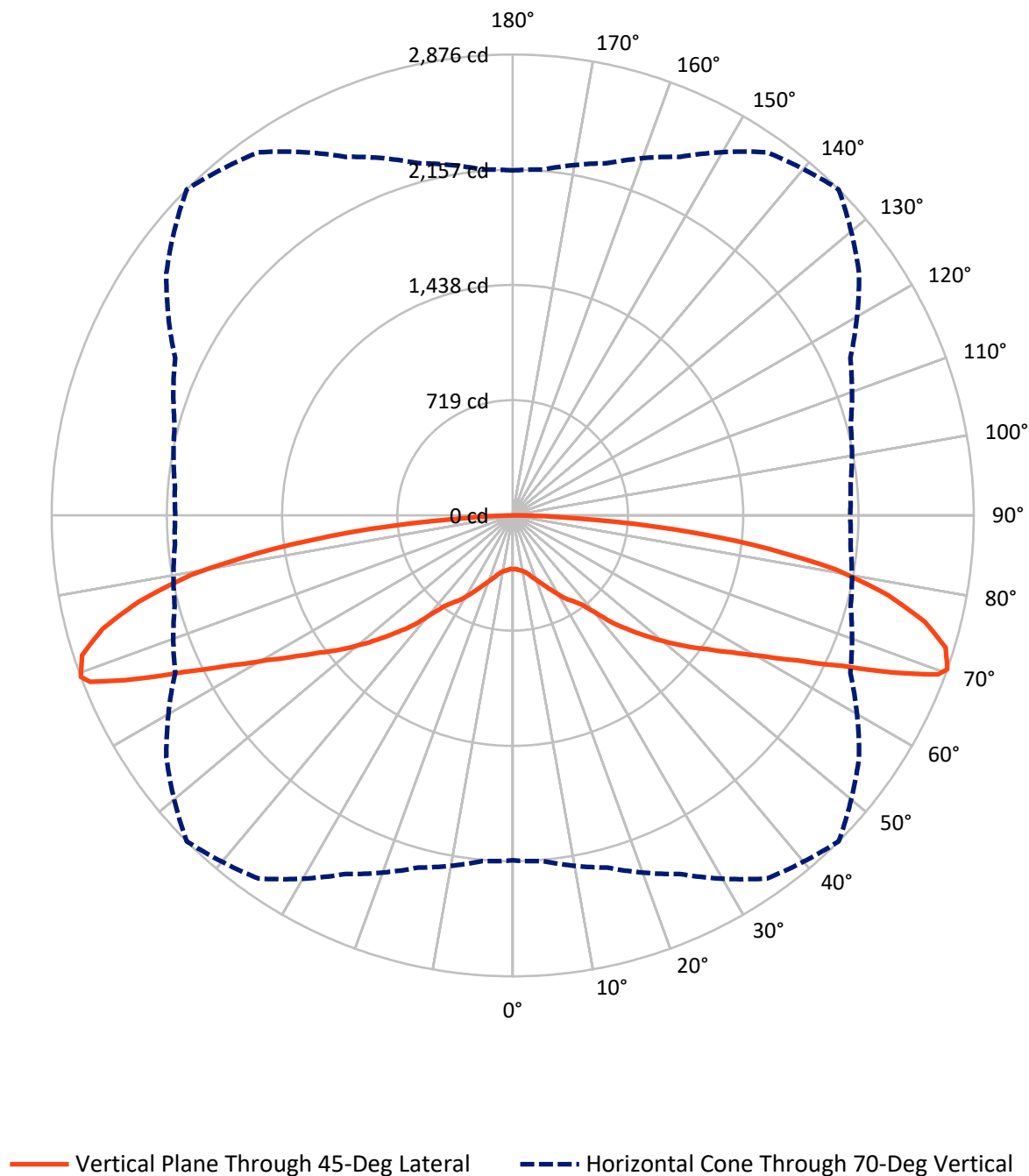


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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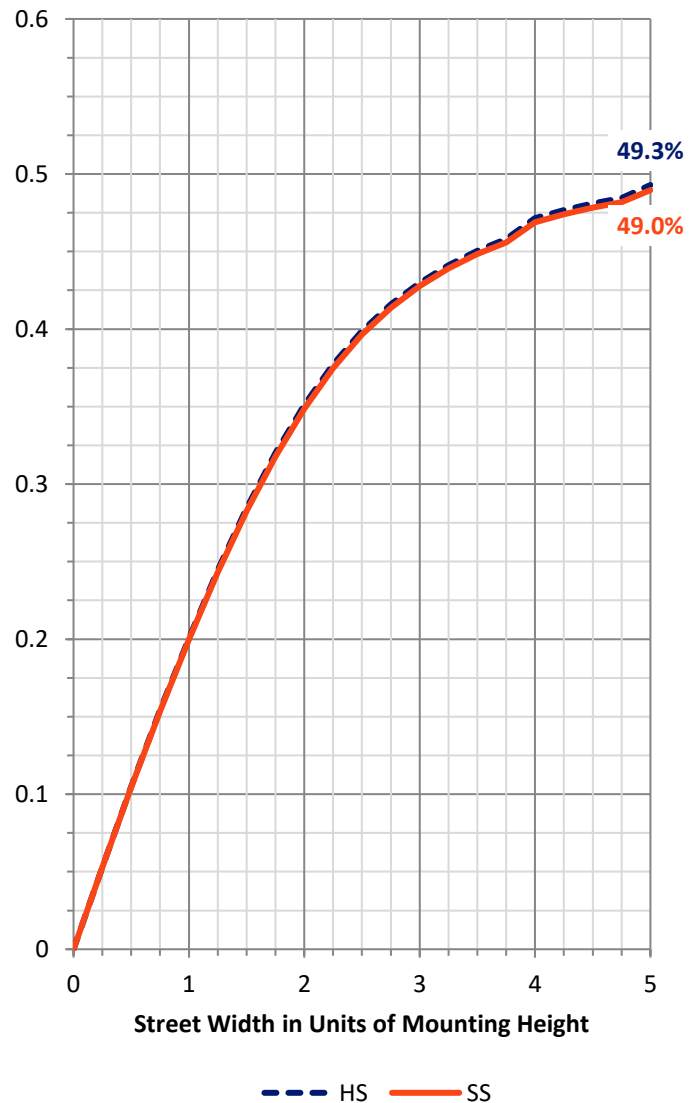
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3941.8	0.0	3941.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3941.8	0.0	3941.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7883.5	0.0	7883.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.4
10°-20°	110.0	1.4
20°-30°	227.5	2.9
30°-40°	416.7	5.3
40°-50°	825.3	10.5
50°-60°	1414.2	17.9
60°-70°	2226.6	28.2
70°-80°	2080.9	26.4
80°-90°	549.4	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°	7883.5	100.0
0°-180°	7883.5	100.0

Coefficient of Utilization



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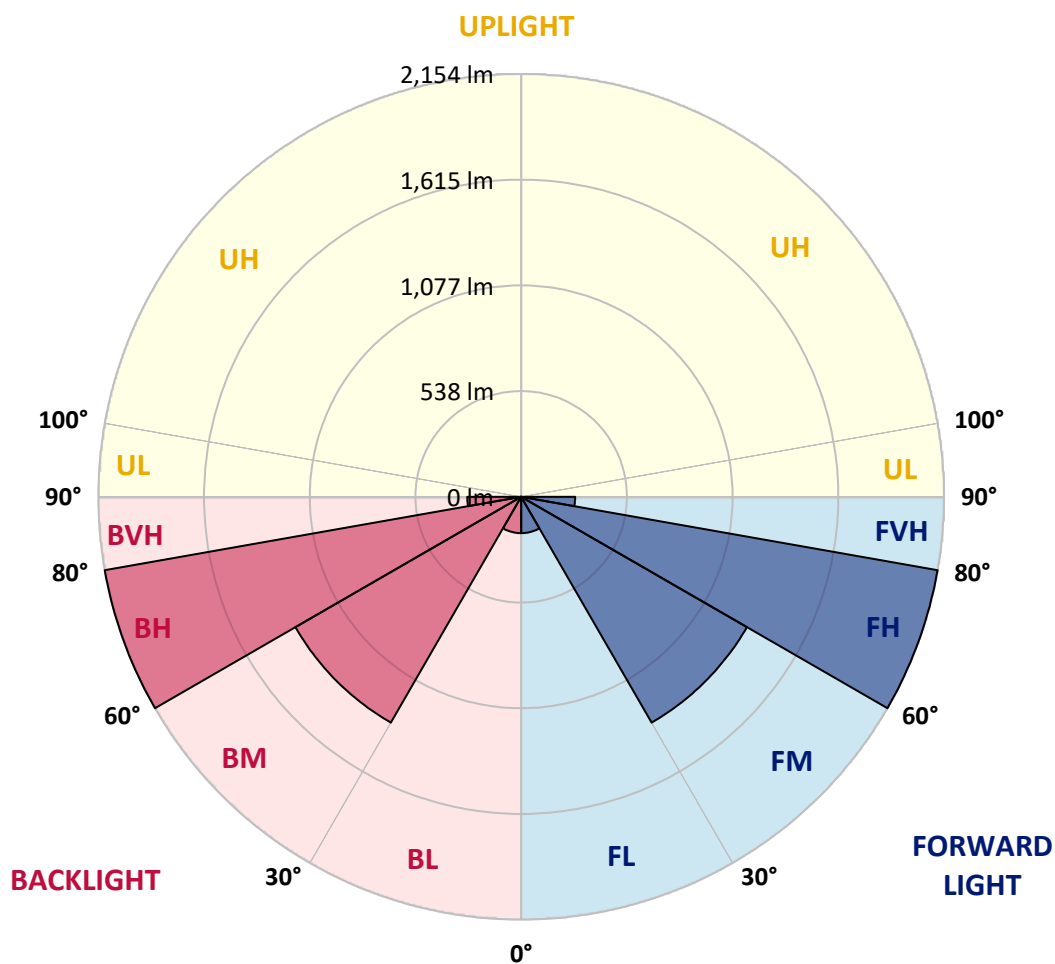
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.2	2.3			
FM	(30°-60°)	1328.1	16.8			
FH	(60°-80°)	2153.7	27.3			G2/5000
FVH	(80°-90°)	274.7	3.5			G3/500
BL	(0°-30°)	185.2	2.3	B1/500		
BM	(30°-60°)	1328.1	16.8	B2/2500		
BH	(60°-80°)	2153.7	27.3	B3/2500		G2/5000
BVH	(80°-90°)	274.7	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°	335.4	335.4	335.4	335.4	335.4	335.4	335.4	335.4	335.4	335.4	335.4
2.5°	340.0	340.4	339.7	336.1	335.7	334.6	334.3	335.7	335.7	335.7	335.0
5°	346.2	345.1	343.0	341.5	340.8	340.0	339.0	341.2	341.8	343.0	340.0
7.5°	350.2	350.2	349.9	347.3	348.4	346.2	344.4	346.2	347.6	346.9	346.6
10°	358.1	358.9	357.4	354.9	357.1	353.1	350.5	352.0	351.7	351.3	352.0
12.5°	369.0	369.7	367.9	365.8	368.6	365.0	362.5	362.2	361.4	361.0	359.9
15°	383.8	384.2	382.7	380.9	385.3	383.2	381.7	377.0	377.0	375.8	376.3
17.5°	401.6	403.4	402.2	402.2	409.1	407.7	401.6	396.1	398.0	395.4	395.4
20°	424.7	424.0	425.1	426.9	434.9	432.7	426.2	418.6	420.8	418.2	417.8
22.5°	451.5	451.8	452.6	454.1	465.6	461.6	454.7	448.5	448.2	446.7	447.2
25°	483.0	482.6	480.5	485.9	498.9	494.9	486.6	482.3	483.0	483.0	483.3
27.5°	514.8	512.2	511.5	511.9	537.3	535.0	522.0	514.1	515.5	518.4	519.5
30°	546.6	546.0	544.0	541.9	570.9	578.5	555.3	550.6	552.4	557.1	558.2
32.5°	589.7	587.8	586.0	580.6	599.1	623.0	593.3	594.4	599.5	606.7	607.7
35°	637.4	637.7	632.8	628.0	638.5	659.2	644.6	646.1	657.3	667.1	669.6
37.5°	695.7	696.8	688.4	678.7	688.1	709.8	700.1	715.2	743.4	759.3	765.9
40°	793.8	791.2	778.9	760.5	769.1	798.4	808.9	828.4	867.5	889.6	897.9
42.5°	930.5	925.7	909.5	889.9	892.4	917.8	933.0	971.0	1012.9	1035.7	1040.1
45°	1061.1	1058.8	1040.8	1005.7	995.2	1017.6	1036.8	1084.2	1129.7	1153.7	1163.5
47.5°	1208.0	1206.2	1180.8	1135.6	1116.8	1126.9	1139.9	1194.5	1234.4	1260.4	1266.2
50°	1365.3	1360.9	1333.8	1278.5	1243.4	1239.8	1254.6	1301.2	1347.2	1370.0	1368.2
52.5°	1525.2	1523.4	1495.2	1427.2	1381.3	1357.7	1363.9	1403.6	1448.1	1477.1	1478.9
55°	1690.5	1692.0	1660.1	1578.4	1515.8	1474.2	1470.6	1516.5	1561.0	1585.6	1592.5
57.5°	1861.6	1862.0	1821.9	1746.6	1666.7	1612.0	1592.8	1643.9	1685.9	1707.9	1720.5
60°	2021.2	2024.8	1991.6	1929.7	1853.3	1779.9	1748.7	1793.7	1837.0	1868.5	1868.9
62.5°	2203.1	2200.7	2169.8	2119.6	2071.5	1991.9	1934.0	1981.4	2025.9	2054.1	2067.4
65°	2377.6	2381.9	2374.6	2354.4	2326.5	2265.7	2190.8	2255.6	2285.3	2283.9	2296.8
67.5°	2329.4	2349.3	2397.1	2499.5	2605.0	2630.4	2511.8	2370.7	2307.3	2267.6	2254.5
69°	2235.8	2257.8	2342.4	2494.7	2720.4	2833.3	2608.3	2342.8	2245.1	2189.8	2178.2
70°	2152.6	2165.9	2275.2	2469.0	2766.0	2876.4	2637.7	2323.6	2182.9	2115.6	2105.1
72.5°	1897.1	1923.8	2045.1	2332.6	2735.0	2824.3	2626.8	2197.0	2006.0	1897.4	1885.9
75°	1564.3	1591.4	1757.8	2082.7	2560.6	2656.4	2461.1	1969.8	1723.4	1618.6	1596.8
77.5°	1114.6	1134.5	1328.1	1717.7	2264.7	2394.8	2184.0	1649.6	1384.4	1268.0	1240.1
80°	652.6	660.6	851.9	1223.4	1806.0	2042.9	1802.7	1279.9	989.4	861.4	843.3
82.5°	245.7	307.2	452.9	756.5	1232.6	1515.4	1329.1	873.7	590.8	458.4	441.8
85°	74.9	102.4	193.5	374.8	677.9	899.0	836.4	484.8	245.3	140.0	122.3
87.5°	13.0	16.6	44.5	120.5	250.3	252.9	196.1	89.0	17.7	6.5	6.1
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)