

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-BZ-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-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE V OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7438 lumens
Efficiency: N/A
Efficacy: 143.0 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



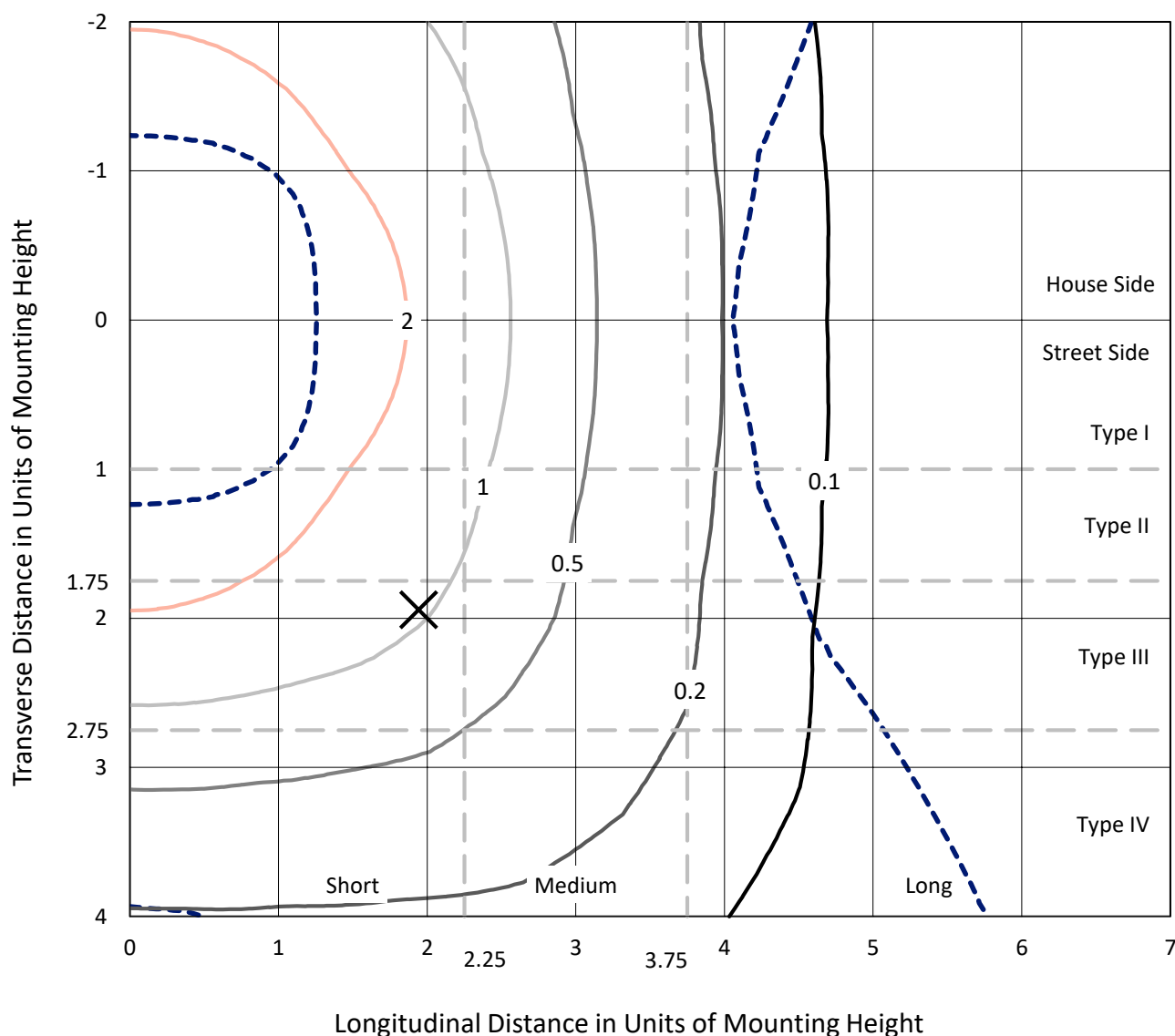
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

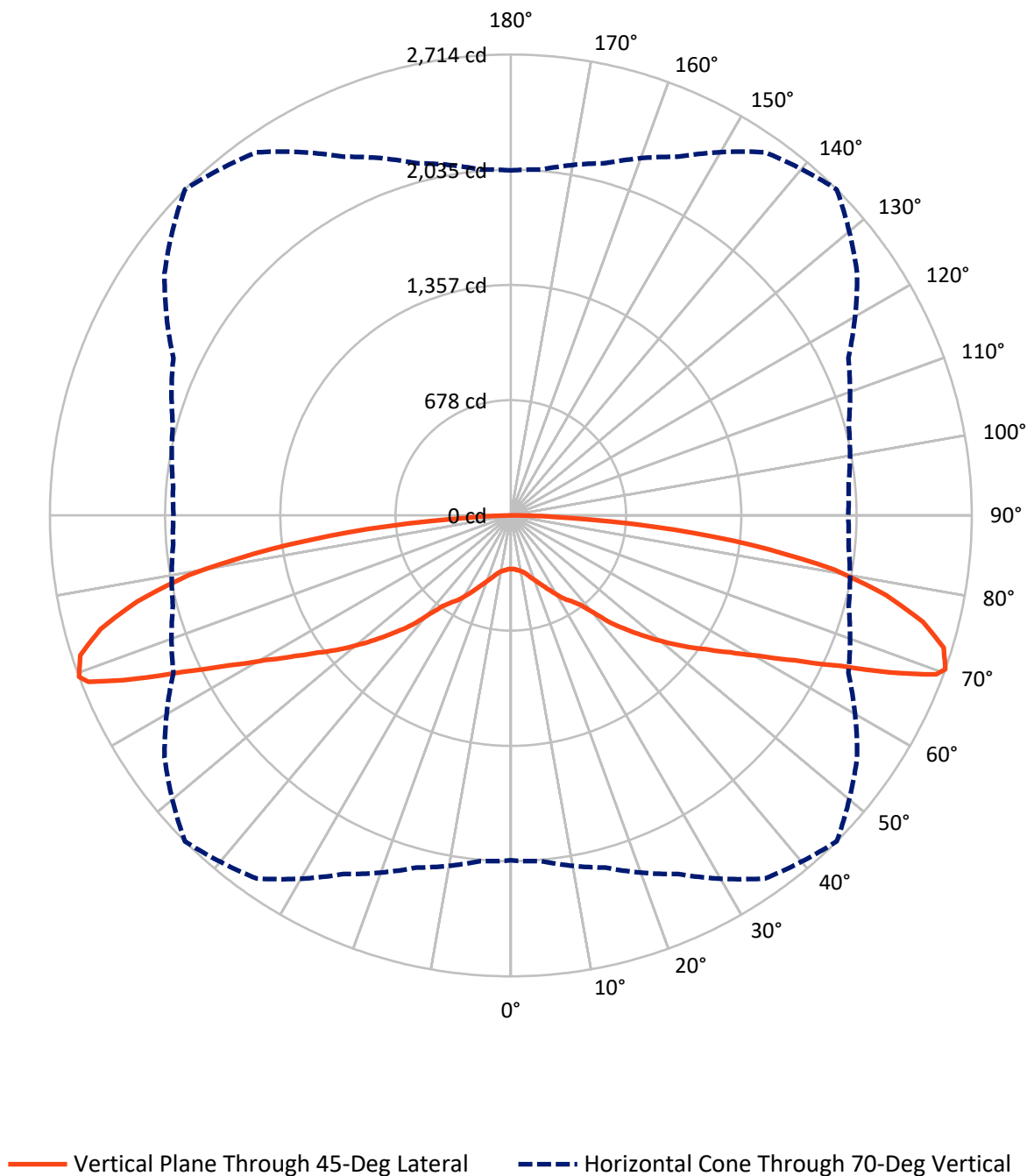


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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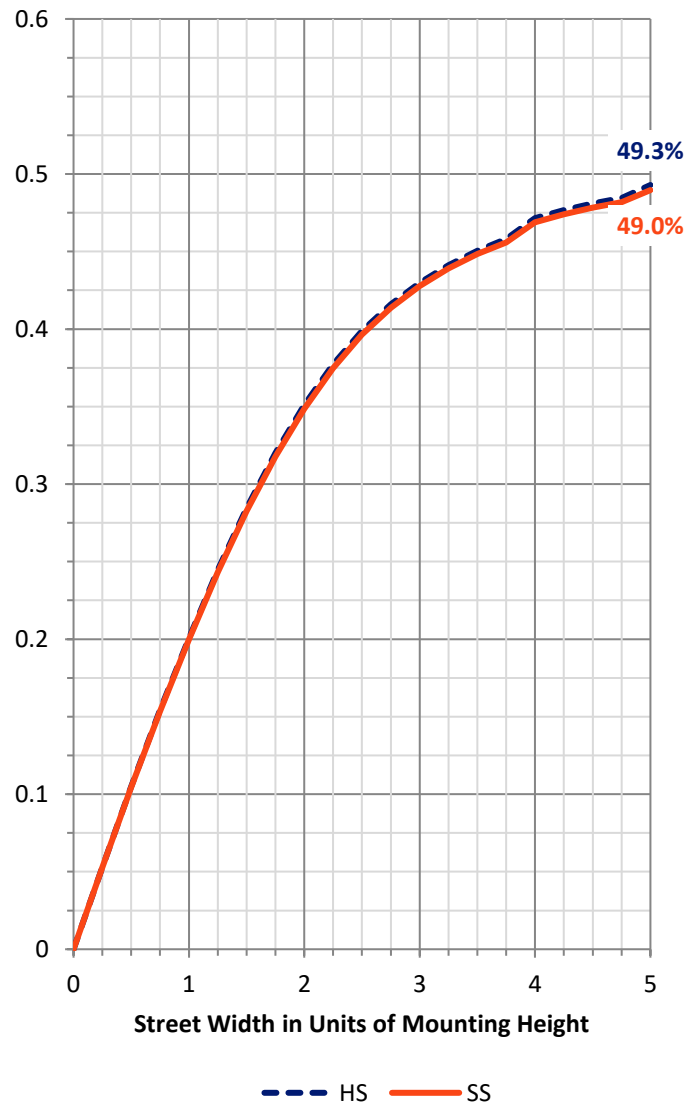
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3719.0	0.0	3719.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3719.0	0.0	3719.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7438.0	0.0	7438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.4
10°-20°	103.8	1.4
20°-30°	214.6	2.9
30°-40°	393.2	5.3
40°-50°	778.6	10.5
50°-60°	1334.3	17.9
60°-70°	2100.8	28.2
70°-80°	1963.3	26.4
80°-90°	518.4	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°	7438.0	100.0
0°-180°	7438.0	100.0

Coefficient of Utilization



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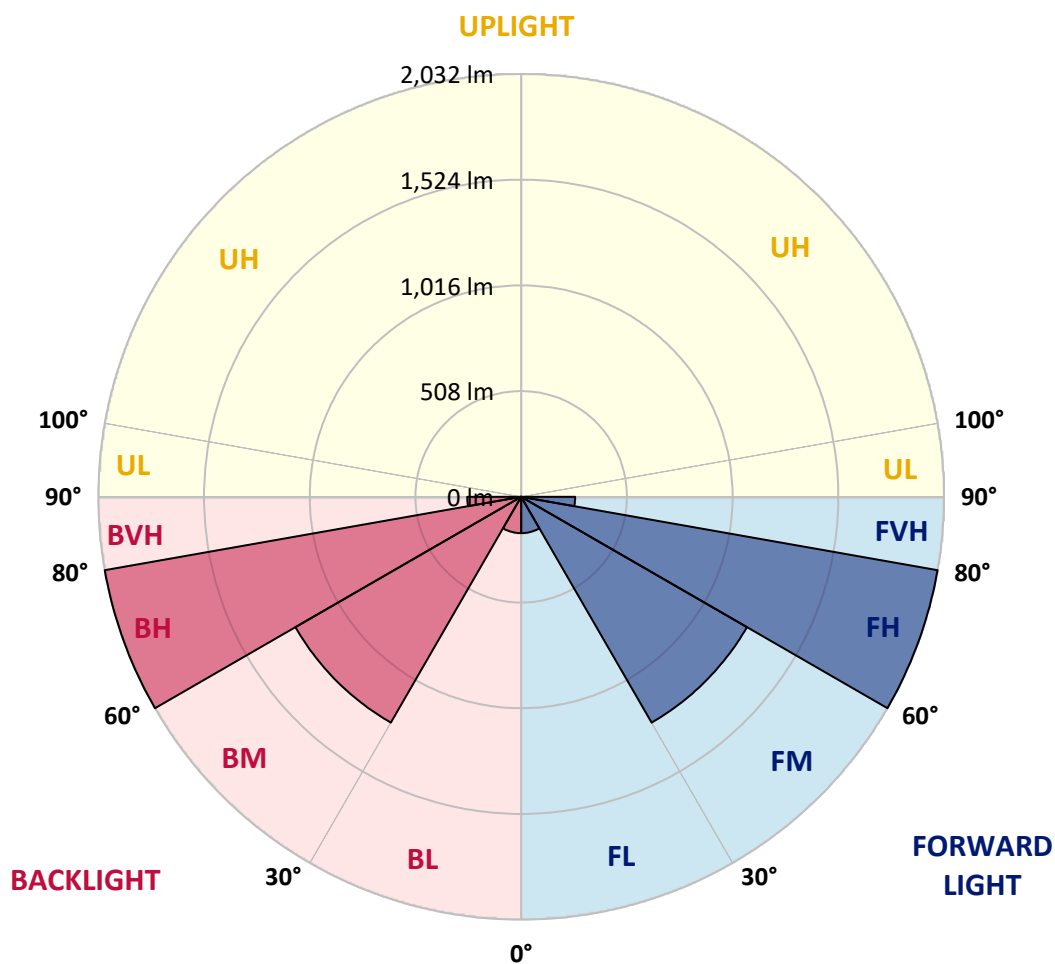
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.7	2.3			
FM	(30°-60°)	1253.0	16.8			
FH	(60°-80°)	2032.0	27.3			G2/5000
FVH	(80°-90°)	259.2	3.5			G3/500
BL	(0°-30°)	174.7	2.3	B1/500		
BM	(30°-60°)	1253.0	16.8	B2/2500		
BH	(60°-80°)	2032.0	27.3	B3/2500		G2/5000
BVH	(80°-90°)	259.2	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°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4
2.5°	320.8	321.2	320.5	317.1	316.7	315.7	315.4	316.7	316.7	316.7	316.1
5°	326.6	325.6	323.6	322.2	321.5	320.8	319.8	321.9	322.5	323.6	320.8
7.5°	330.4	330.4	330.1	327.7	328.7	326.6	324.9	326.6	328.0	327.3	327.0
10°	337.9	338.6	337.2	334.8	336.9	333.1	330.7	332.1	331.8	331.4	332.1
12.5°	348.1	348.8	347.1	345.1	347.8	344.4	342.0	341.7	341.0	340.6	339.6
15°	362.1	362.5	361.1	359.4	363.5	361.5	360.1	355.7	355.7	354.6	355.0
17.5°	378.9	380.6	379.5	379.5	386.0	384.7	378.9	373.7	375.5	373.1	373.1
20°	400.7	400.0	401.1	402.8	410.3	408.2	402.1	394.9	397.0	394.6	394.2
22.5°	426.0	426.3	427.0	428.4	439.3	435.5	429.0	423.2	422.9	421.5	421.9
25°	455.7	455.3	453.3	458.4	470.7	466.9	459.1	455.0	455.7	455.7	456.0
27.5°	485.7	483.3	482.6	483.0	506.9	504.8	492.5	485.0	486.4	489.1	490.1
30°	515.7	515.1	513.3	511.3	538.6	545.8	523.9	519.5	521.2	525.6	526.7
32.5°	556.4	554.6	552.9	547.8	565.2	587.8	559.8	560.8	565.6	572.4	573.4
35°	601.4	601.7	597.0	592.5	602.4	621.9	608.2	609.6	620.2	629.4	631.8
37.5°	656.4	657.4	649.5	640.3	649.2	669.7	660.5	674.8	701.4	716.4	722.6
40°	748.9	746.5	734.9	717.5	725.6	753.3	763.2	781.6	818.5	839.3	847.2
42.5°	877.9	873.4	858.1	839.6	842.0	865.9	880.3	916.1	955.7	977.2	981.3
45°	1001.1	999.0	982.0	948.9	939.0	960.1	978.2	1022.9	1065.9	1088.5	1097.7
47.5°	1139.7	1138.0	1114.1	1071.4	1053.7	1063.2	1075.5	1127.0	1164.6	1189.2	1194.6
50°	1288.1	1284.0	1258.4	1206.2	1173.1	1169.7	1183.7	1227.7	1271.1	1292.6	1290.9
52.5°	1439.0	1437.3	1410.7	1346.5	1303.2	1281.0	1286.8	1324.3	1366.3	1393.6	1395.3
55°	1595.0	1596.4	1566.3	1489.2	1430.1	1390.9	1387.5	1430.8	1472.8	1496.0	1502.5
57.5°	1756.4	1756.8	1718.9	1647.9	1572.5	1520.9	1502.8	1551.0	1590.6	1611.4	1623.3
60°	1907.0	1910.4	1879.0	1820.6	1748.6	1679.3	1649.9	1692.3	1733.2	1762.9	1763.3
62.5°	2078.6	2076.3	2047.2	1999.8	1954.4	1879.3	1824.7	1869.4	1911.4	1938.0	1950.6
65°	2243.2	2247.3	2240.4	2221.3	2195.0	2137.7	2067.0	2128.1	2156.1	2154.8	2167.0
67.5°	2197.8	2216.5	2261.6	2358.2	2457.8	2481.7	2369.8	2236.7	2176.9	2139.4	2127.1
69°	2109.4	2130.2	2210.0	2353.7	2566.7	2673.2	2460.9	2210.4	2118.2	2066.0	2055.1
70°	2030.9	2043.5	2146.6	2329.5	2609.7	2713.8	2488.6	2192.3	2059.5	1996.0	1986.1
72.5°	1789.9	1815.1	1929.5	2200.8	2580.4	2664.7	2478.3	2072.8	1892.6	1790.2	1779.3
75°	1475.9	1501.5	1658.5	1965.0	2415.9	2506.3	2322.0	1858.5	1626.0	1527.1	1506.6
77.5°	1051.6	1070.4	1253.0	1620.6	2136.7	2259.5	2060.6	1556.4	1306.2	1196.3	1170.0
80°	615.7	623.3	803.8	1154.3	1703.9	1927.4	1700.8	1207.6	933.5	812.7	795.6
82.5°	231.8	289.8	427.3	713.7	1162.9	1429.8	1254.0	824.3	557.4	432.5	416.8
85°	70.7	96.6	182.6	353.6	639.6	848.2	789.1	457.4	231.4	132.1	115.4
87.5°	12.3	15.7	42.0	113.7	236.2	238.6	185.0	84.0	16.7	6.1	5.8
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)