

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: P381053

Luminaire Tested: **USSL-PA1B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-PA1B-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9280 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 74
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



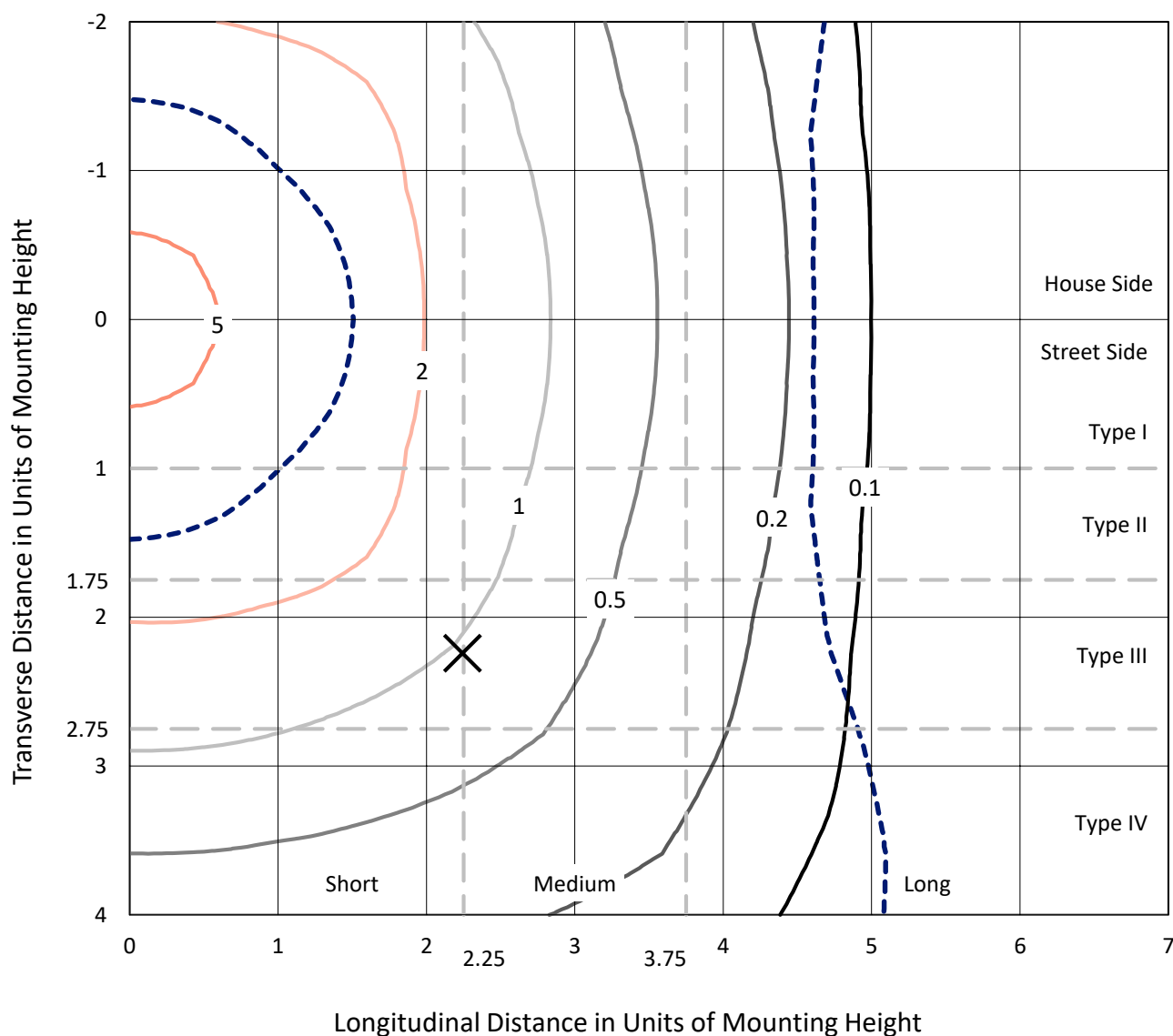
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

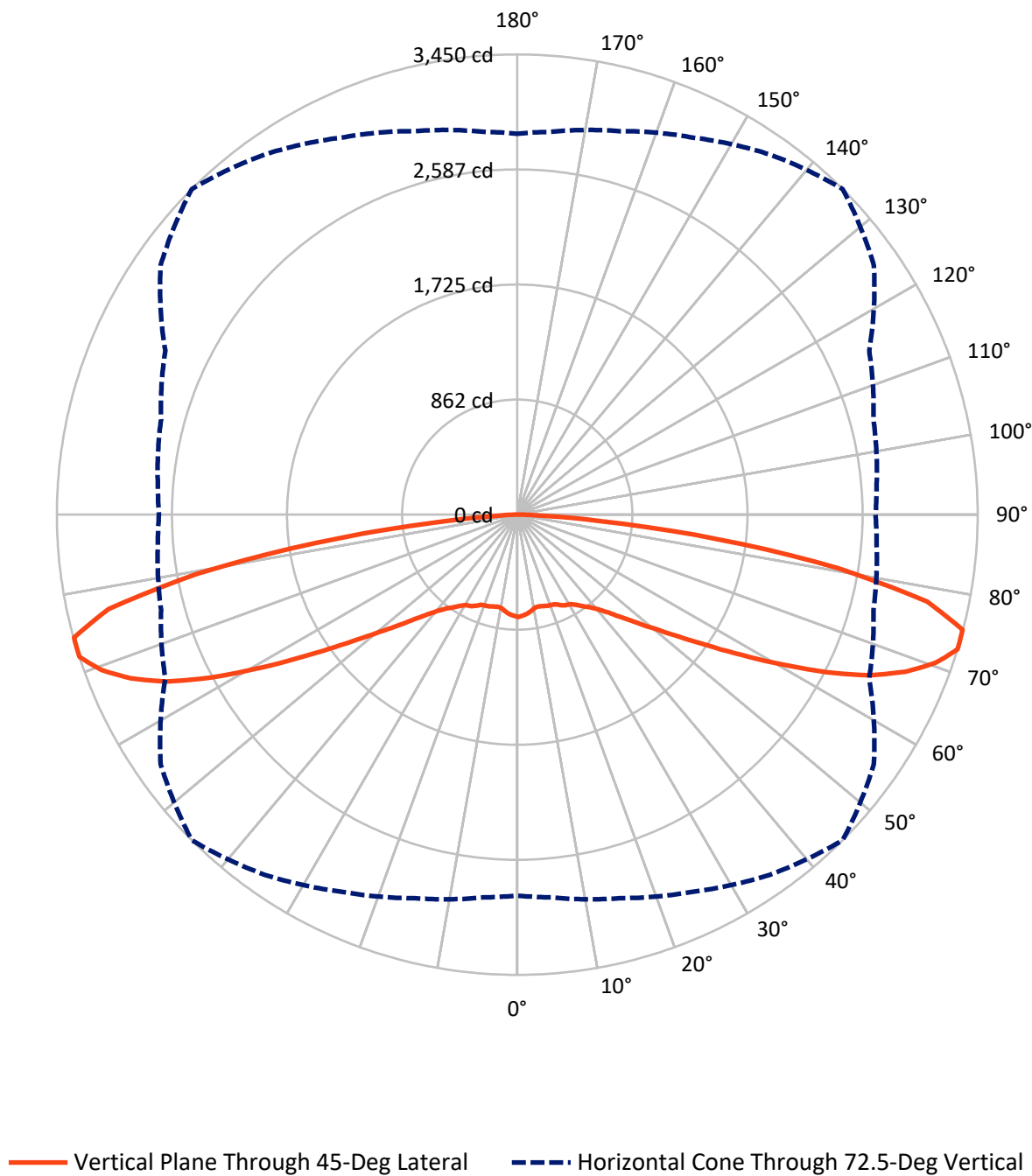


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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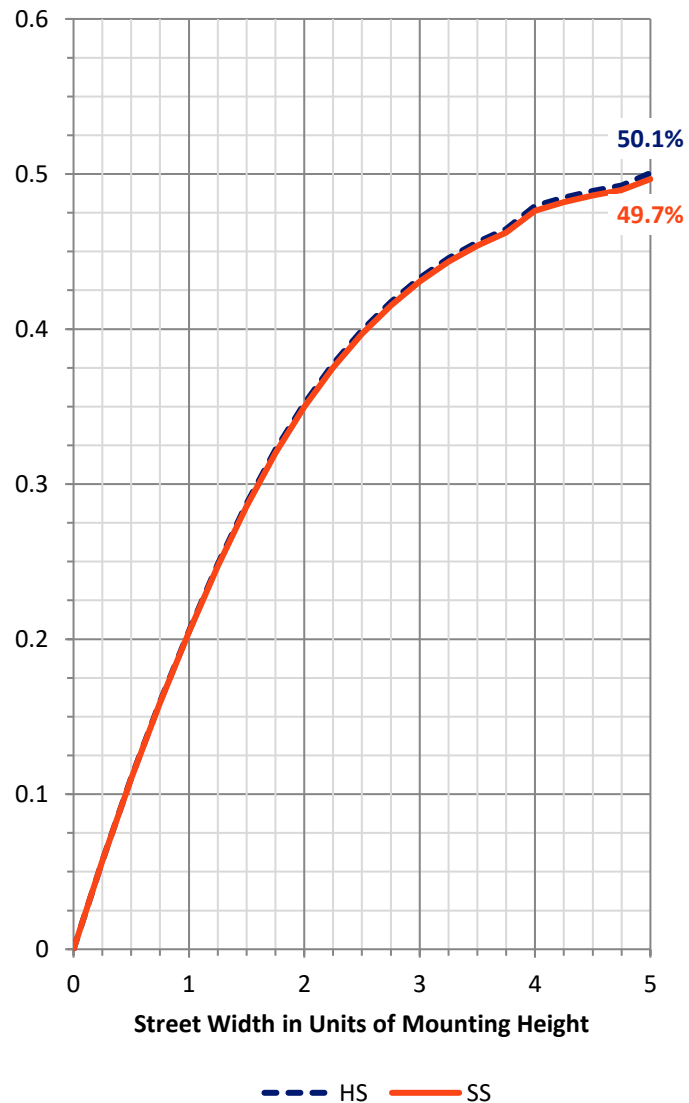
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4640.0	0.0	4640.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4640.0	0.0	4640.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9280.0	0.0	9280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	0.8
10°-20°	204.4	2.2
20°-30°	347.3	3.7
30°-40°	529.7	5.7
40°-50°	872.3	9.4
50°-60°	1523.2	16.4
60°-70°	2553.8	27.5
70°-80°	2733.1	29.5
80°-90°	445.8	4.8
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°	9280.0	100.0
0°-180°	9280.0	100.0

Coefficient of Utilization



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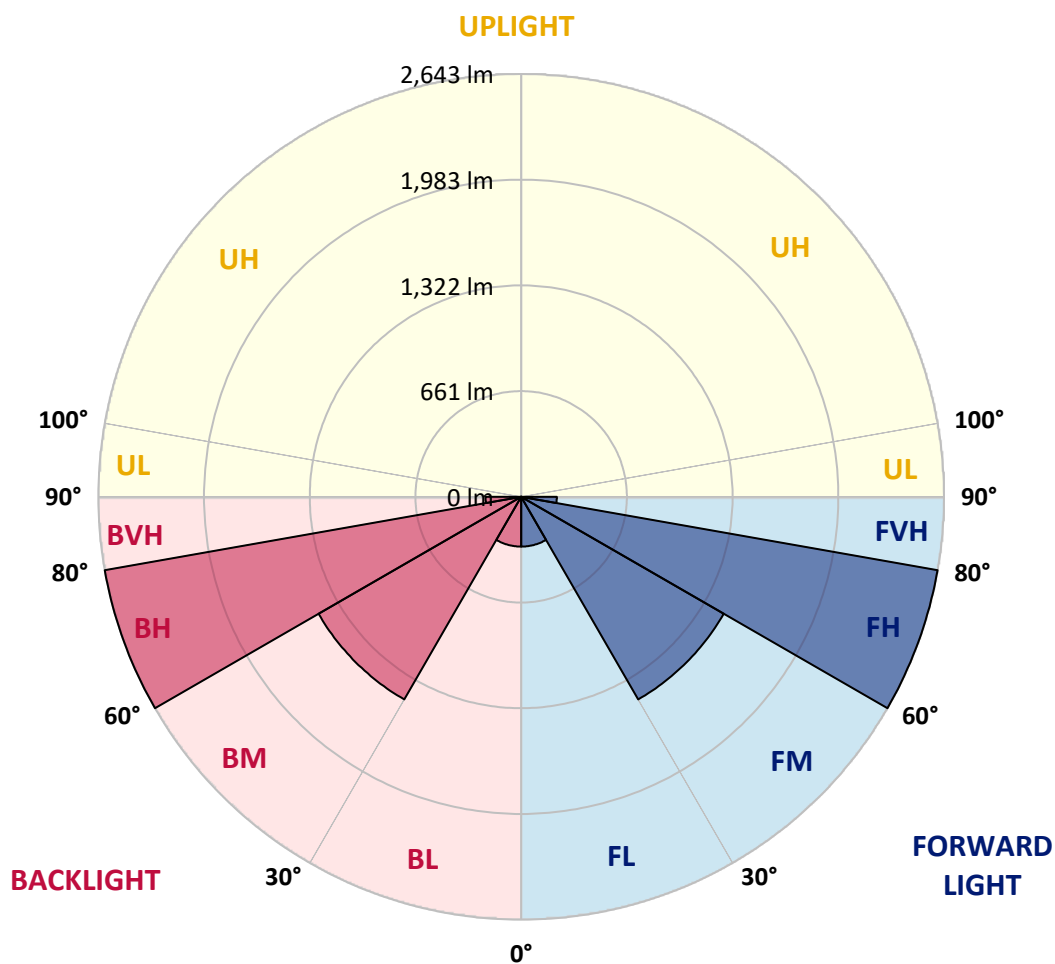
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.1	3.4			
FM	(30°-60°)	1462.6	15.8			
FH	(60°-80°)	2643.4	28.5			G2/5000
FVH	(80°-90°)	222.9	2.4			G2/225
BL	(0°-30°)	311.1	3.4	B1/500		
BM	(30°-60°)	1462.6	15.8	B2/2500		
BH	(60°-80°)	2643.4	28.5	B4/5000		G2/5000
BVH	(80°-90°)	222.9	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9
2.5°	763.2	763.2	763.2	762.0	759.6	758.4	756.1	757.3	757.3	757.3	757.3
5°	753.7	753.7	752.5	751.3	749.0	747.8	745.4	747.8	747.8	747.8	747.8
7.5°	735.9	737.1	737.1	735.9	732.4	731.2	727.6	728.8	728.8	730.0	728.8
10°	726.5	726.5	725.3	719.3	713.4	711.0	709.9	713.4	717.0	720.5	720.5
12.5°	726.5	726.5	724.1	714.6	706.3	706.3	706.3	711.0	718.2	725.3	726.5
15°	730.0	730.0	725.3	714.6	709.9	711.0	711.0	715.8	724.1	733.6	734.7
17.5°	732.4	732.4	726.5	715.8	715.8	719.3	717.0	720.5	728.8	739.5	740.7
20°	735.9	735.9	727.6	719.3	719.3	722.9	722.9	726.5	733.6	744.2	745.4
22.5°	743.0	741.9	733.6	726.5	726.5	728.8	731.2	735.9	741.9	751.3	753.7
25°	751.3	751.3	744.2	743.0	745.4	751.3	750.2	749.0	751.3	759.6	763.2
27.5°	756.1	756.1	751.3	754.9	764.4	769.1	763.2	758.4	758.4	766.7	767.9
30°	771.5	770.3	765.6	767.9	776.2	778.6	775.0	769.1	772.7	782.2	783.3
32.5°	797.6	797.6	790.4	790.4	796.4	805.9	794.0	790.4	795.2	805.9	807.0
35°	837.8	837.8	828.4	823.6	828.4	841.4	823.6	822.4	830.7	842.6	843.8
37.5°	888.8	888.8	882.9	871.0	872.2	880.5	865.1	863.9	879.3	892.4	892.4
40°	952.8	956.4	950.4	936.2	931.5	932.7	920.8	922.0	939.8	955.2	955.2
42.5°	1032.2	1034.6	1025.1	1014.4	1008.5	1004.9	993.1	995.5	1016.8	1036.9	1036.9
45°	1128.2	1129.4	1119.9	1106.9	1099.8	1097.4	1085.5	1091.5	1115.2	1136.5	1135.3
47.5°	1236.0	1237.2	1227.7	1214.7	1210.0	1213.5	1201.7	1201.7	1223.0	1240.8	1238.4
50°	1358.1	1360.5	1349.8	1343.9	1340.3	1349.8	1335.6	1322.5	1336.8	1354.5	1352.2
52.5°	1493.2	1499.1	1492.0	1494.4	1507.4	1519.3	1495.6	1467.1	1474.2	1486.1	1482.5
55°	1656.7	1663.8	1666.2	1674.5	1708.9	1729.0	1689.9	1642.5	1639.0	1640.1	1634.2
57.5°	1840.4	1845.2	1860.6	1879.5	1950.6	1982.6	1921.0	1839.2	1813.2	1797.8	1794.2
60°	2025.3	2033.6	2071.5	2110.6	2219.7	2277.7	2182.9	2045.4	1989.7	1961.3	1955.4
62.5°	2211.4	2227.9	2289.6	2355.9	2514.7	2601.2	2455.5	2256.4	2175.8	2140.3	2130.8
65°	2427.0	2447.2	2521.8	2606.0	2782.6	2904.6	2728.0	2474.4	2387.9	2340.5	2328.7
67.5°	2679.5	2700.8	2761.2	2854.9	3021.9	3141.6	2985.2	2697.2	2584.7	2524.2	2514.7
70°	2886.8	2905.8	2971.0	3065.8	3190.2	3326.5	3177.2	2875.0	2773.1	2730.4	2724.5
72.5°	2854.9	2879.7	2975.7	3117.9	3295.7	3449.8	3261.3	2909.4	2762.4	2703.2	2684.2
75°	2493.4	2520.7	2634.4	2891.6	3216.3	3446.2	3139.3	2680.6	2507.6	2457.9	2448.4
77.5°	1650.8	1676.9	1868.9	2274.2	2808.6	3140.5	2770.7	2245.7	1967.2	1847.5	1840.4
80°	667.2	700.4	884.1	1314.3	1990.9	2441.3	2054.9	1437.5	969.4	782.2	744.2
82.5°	155.2	184.9	269.0	484.7	1019.2	1520.5	1108.0	536.8	311.7	221.6	199.1
85°	65.2	66.4	115.0	157.6	318.8	613.9	362.6	195.5	158.8	116.1	113.8
87.5°	24.9	26.1	55.7	66.4	101.9	116.1	123.2	100.7	93.6	58.1	55.7
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)