

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: P511157

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-PA1B-730-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6693 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 52.8
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: 24 FT



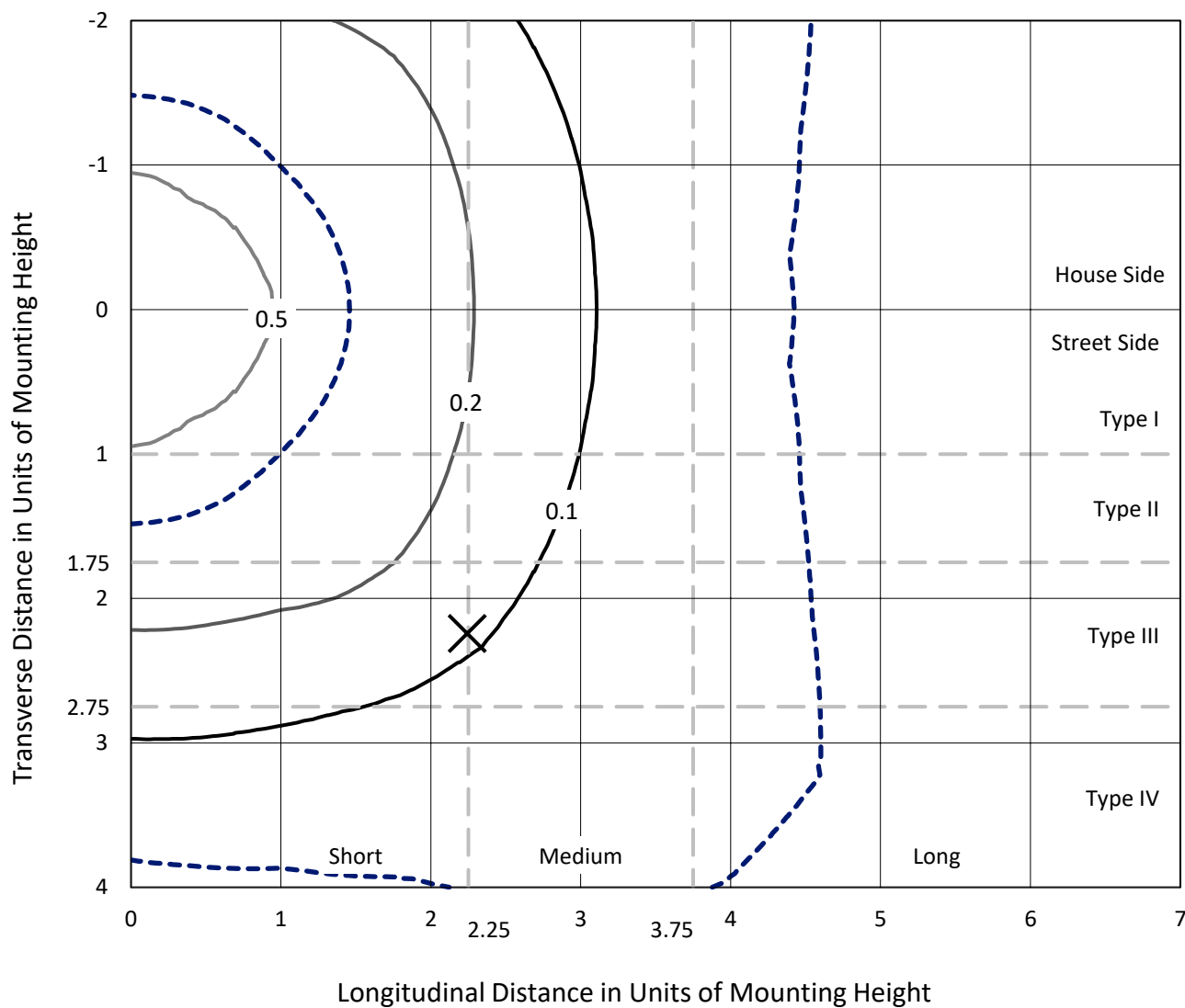
REPORT NUMBER: P511157

CATALOG NUMBER: USSL-P-PA1B-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

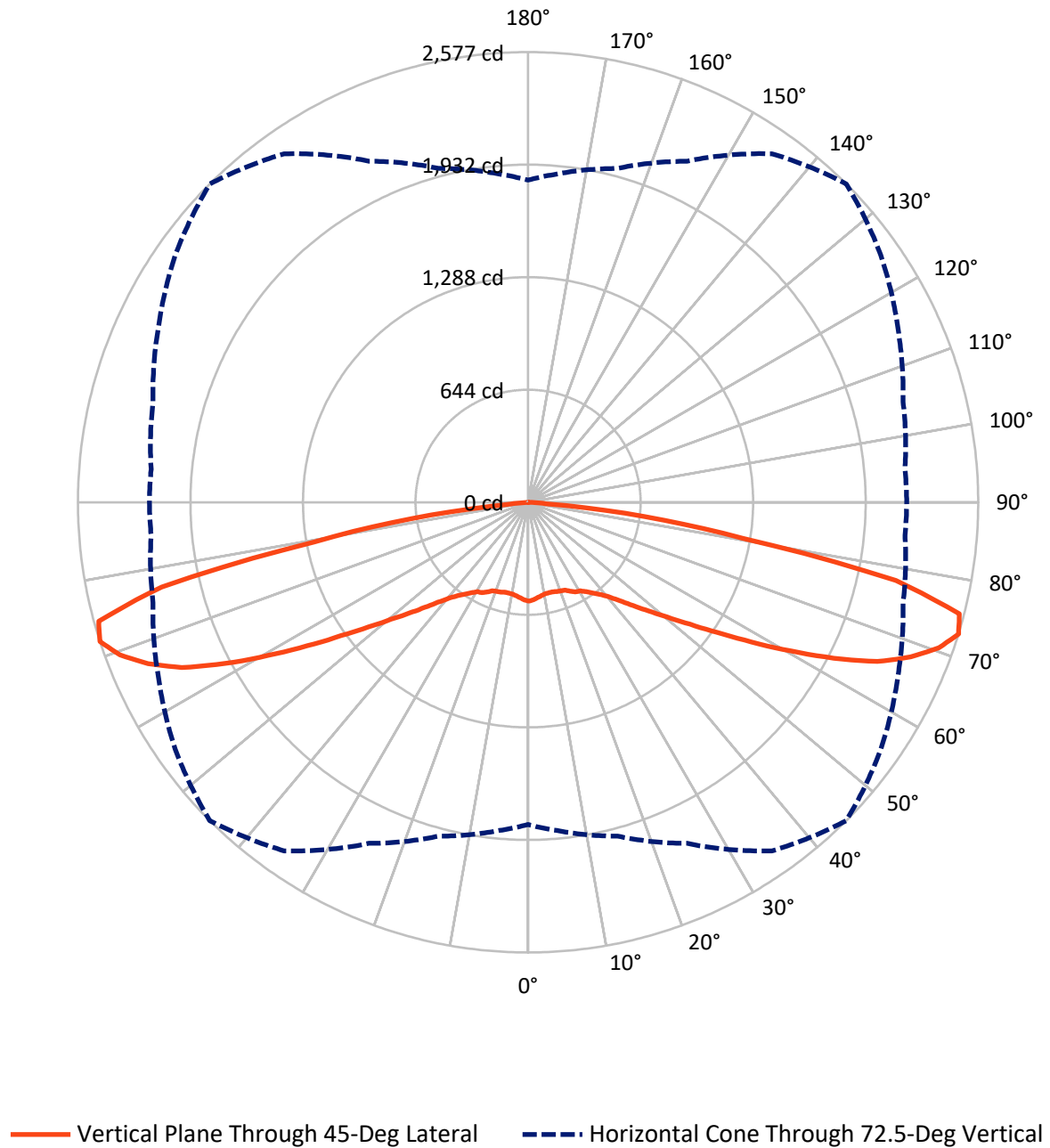


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P511157

CATALOG NUMBER: USSL-P-PA1B-730-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P511157

CATALOG NUMBER: USSL-P-PA1B-730-U-5WQ

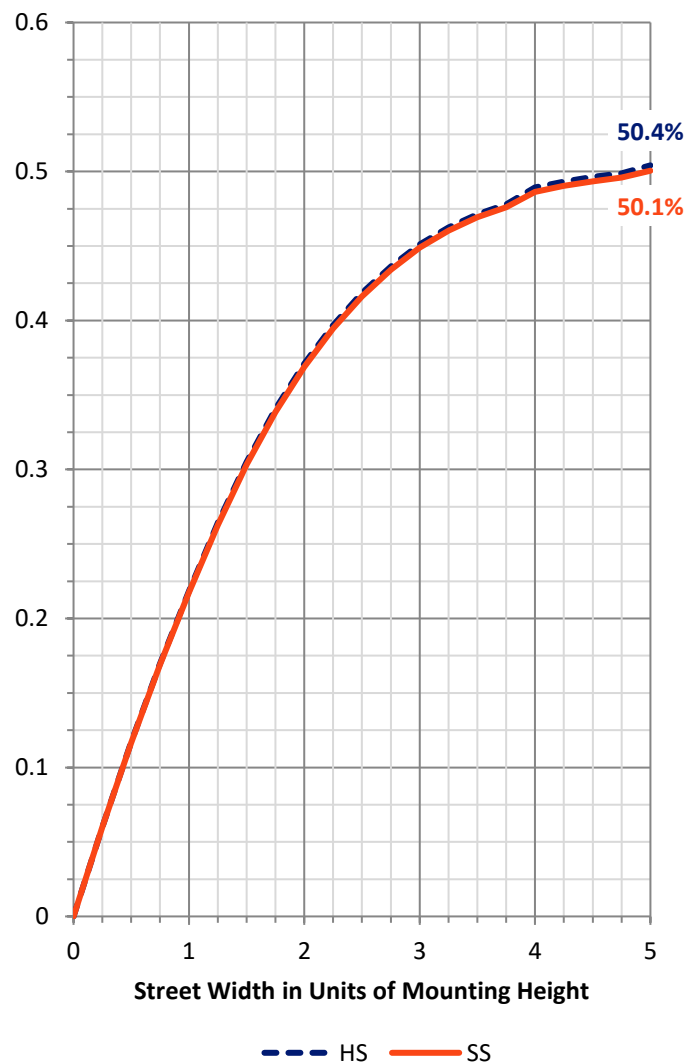
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3346.5	0.0	3346.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3346.5	0.0	3346.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6693.0	0.0	6693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	0.8
10°-20°	152.5	2.3
20°-30°	261.0	3.9
30°-40°	402.2	6.0
40°-50°	665.9	9.9
50°-60°	1158.6	17.3
60°-70°	1928.4	28.8
70°-80°	1891.7	28.3
80°-90°	180.8	2.7
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°	6693.0	100.0
0°-180°	6693.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511157

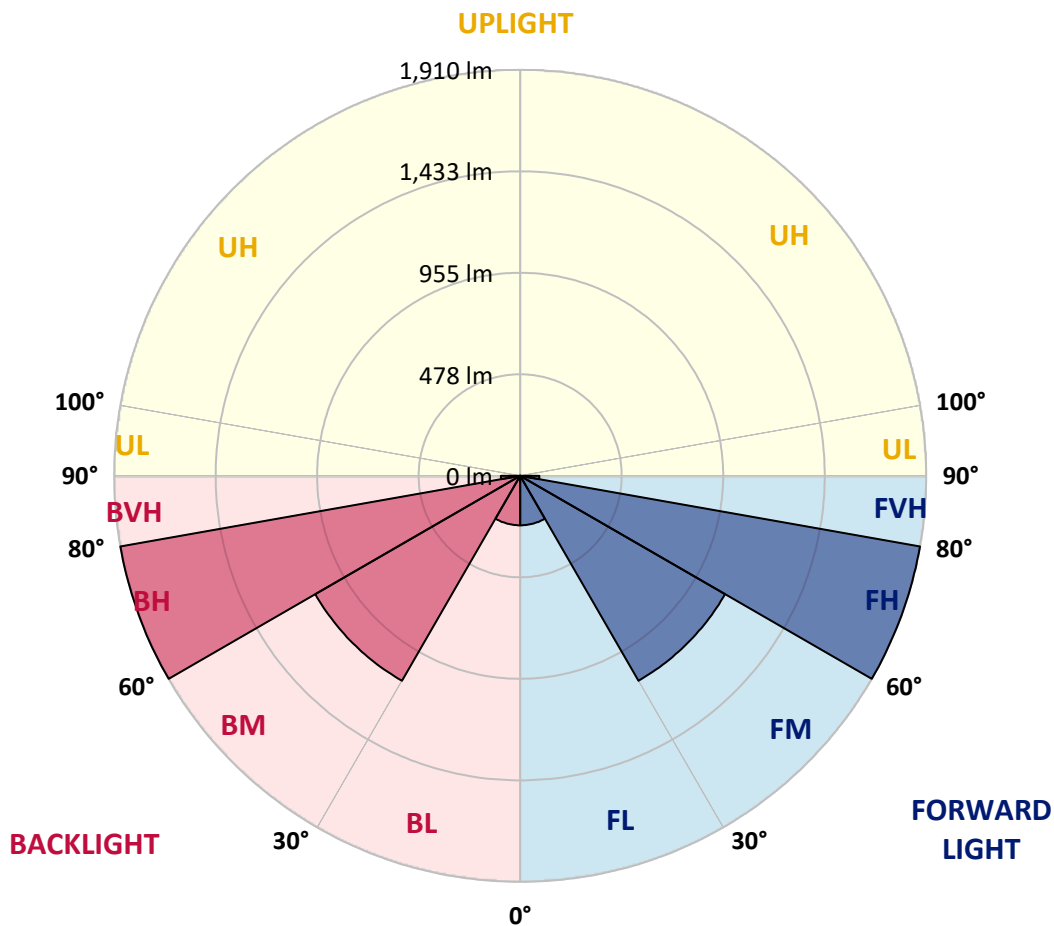
CATALOG NUMBER: USSL-P-PA1B-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.8	3.5			
FM	(30°-60°)	1113.3	16.6			
FH	(60°-80°)	1910.0	28.5			G2/5000
FVH	(80°-90°)	90.4	1.4			G1/100
BL	(0°-30°)	232.8	3.5	B1/500		
BM	(30°-60°)	1113.3	16.6	B2/2500		
BH	(60°-80°)	1910.0	28.5	B3/2500		G2/5000
BVH	(80°-90°)	90.4	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P511157

CATALOG NUMBER: USSL-P-PA1B-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	565.6	565.6	565.6	565.6	565.6	565.6	565.6	565.6	565.6	565.6	565.6
2.5°	559.7	561.2	558.2	558.2	559.7	559.7	558.2	561.2	561.2	564.1	561.2
5°	547.8	549.3	547.8	547.8	547.8	549.3	549.3	550.7	550.7	552.2	553.7
7.5°	538.8	540.3	538.8	537.3	538.8	540.3	541.8	543.3	543.3	544.8	543.3
10°	537.3	538.8	535.9	532.9	531.4	532.9	531.4	537.3	540.3	541.8	543.3
12.5°	540.3	541.8	538.8	532.9	529.9	531.4	531.4	534.4	540.3	543.3	544.8
15°	541.8	543.3	537.3	531.4	531.4	531.4	531.4	532.9	538.8	541.8	543.3
17.5°	546.3	547.8	543.3	535.9	535.9	537.3	534.4	535.9	537.3	544.8	544.8
20°	550.7	553.7	544.8	541.8	541.8	540.3	538.8	540.3	543.3	550.7	547.8
22.5°	562.7	561.2	555.2	552.2	549.3	546.3	544.8	547.8	550.7	556.7	555.2
25°	570.1	570.1	565.6	562.7	567.1	564.1	561.2	559.7	559.7	564.1	564.1
27.5°	574.6	573.1	570.1	570.1	574.6	580.5	574.6	568.6	565.6	568.6	567.1
30°	586.5	588.0	582.0	582.0	585.0	588.0	585.0	580.5	577.5	583.5	585.0
32.5°	607.3	608.8	602.8	599.9	601.4	610.3	602.8	596.9	599.9	605.8	604.3
35°	640.1	638.6	631.1	623.7	626.7	637.1	628.1	626.7	631.1	637.1	640.1
37.5°	674.3	675.8	668.3	657.9	656.4	668.3	663.9	663.9	669.8	678.8	677.3
40°	727.9	726.4	718.9	701.1	702.6	710.0	711.5	714.5	724.9	729.4	727.9
42.5°	785.9	785.9	775.5	760.6	762.1	769.6	771.0	772.5	780.0	793.4	788.9
45°	864.8	861.8	849.9	835.0	833.6	842.5	844.0	844.0	854.4	863.3	860.4
47.5°	939.2	940.7	930.3	918.4	919.9	928.8	930.3	925.8	931.8	940.7	945.2
50°	1025.6	1025.6	1022.6	1009.2	1021.1	1031.5	1028.6	1027.1	1033.0	1034.5	1030.0
52.5°	1122.3	1128.3	1123.8	1120.8	1140.2	1159.5	1156.6	1137.2	1134.2	1138.7	1134.2
55°	1241.4	1239.9	1244.4	1254.8	1289.0	1312.9	1300.9	1277.1	1266.7	1257.8	1260.8
57.5°	1357.5	1366.4	1373.9	1399.2	1458.7	1507.8	1484.0	1434.9	1405.1	1387.3	1388.8
60°	1473.6	1485.5	1506.4	1557.0	1661.2	1728.1	1705.8	1618.0	1565.9	1539.1	1531.7
62.5°	1612.0	1618.0	1640.3	1708.8	1859.1	1964.8	1912.7	1792.1	1723.7	1693.9	1680.5
65°	1759.4	1766.8	1796.6	1869.6	2067.5	2197.0	2115.2	1981.2	1893.4	1853.2	1839.8
67.5°	1893.4	1912.7	1942.5	2034.8	2252.1	2362.2	2275.9	2153.9	2077.9	2022.9	2028.8
70°	2022.9	2030.3	2072.0	2155.3	2383.1	2494.7	2395.0	2311.6	2232.7	2176.2	2194.0
72.5°	1844.2	1885.9	1978.2	2153.9	2435.2	2576.6	2464.9	2336.9	2222.3	2165.8	2167.2
75°	1336.7	1375.4	1472.1	1702.8	2249.1	2549.8	2393.5	2158.3	1964.8	1888.9	1877.0
77.5°	916.9	909.5	997.3	1183.4	1571.9	2152.4	2070.5	1671.6	1381.3	1211.6	1226.5
80°	250.1	265.0	385.5	647.5	1040.5	1244.4	1256.3	882.7	550.7	404.9	400.4
82.5°	58.1	62.5	92.3	159.3	385.5	672.8	397.4	208.4	142.9	95.3	70.0
85°	11.9	11.9	14.9	28.3	80.4	102.7	67.0	49.1	47.6	25.3	23.8
87.5°	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5
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)