

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: METALUX

Report Number: P298647

Luminaire Tested: **14FPX-42-L830-LV1-SWPD1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-179-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14FPX-42-L830-LV1-SWPD1
Description: 1x4 FPX SERIES LED PANEL, 3000K CCT AND 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4290.9 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

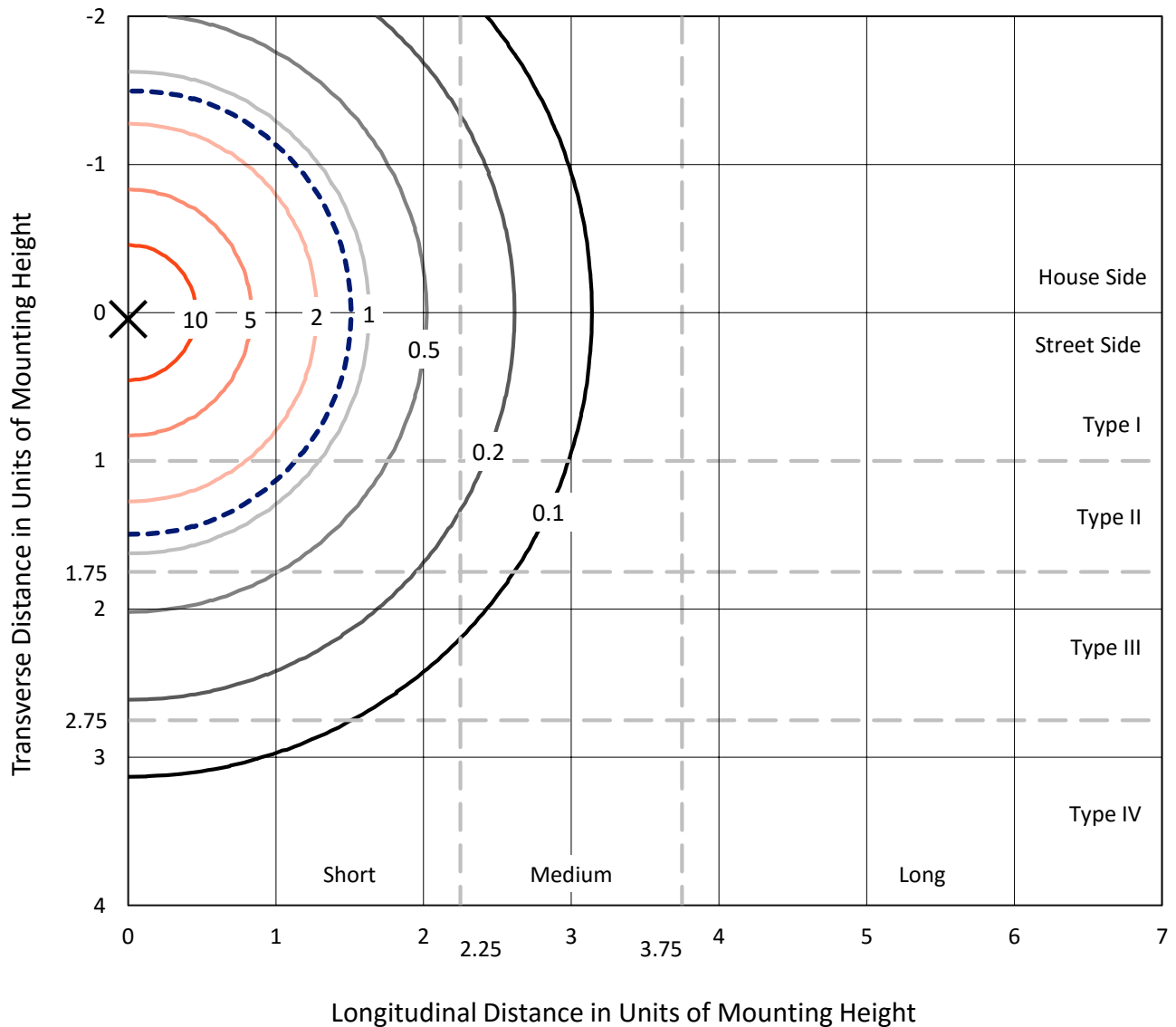
Input Watts (W): 42
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

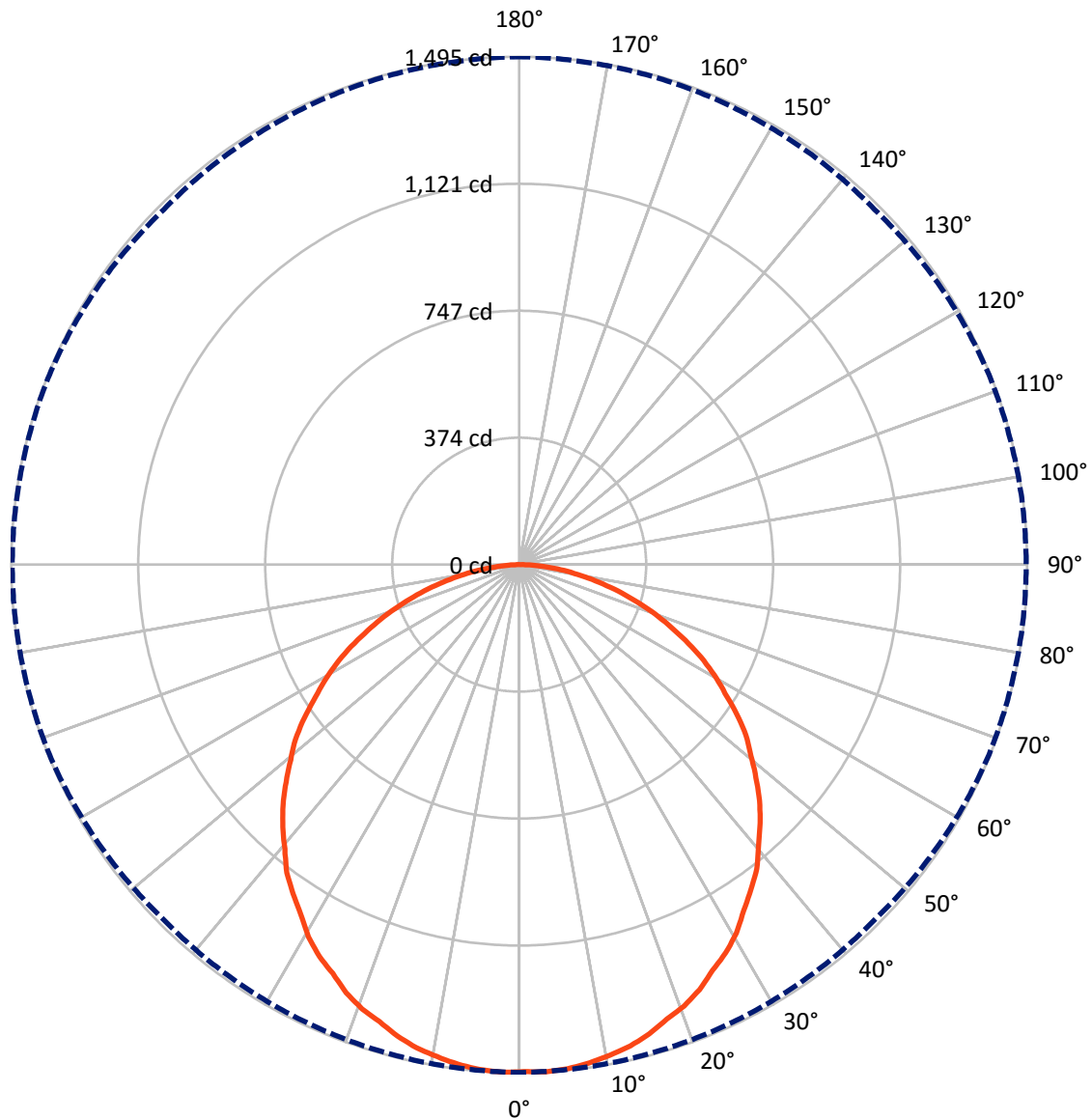
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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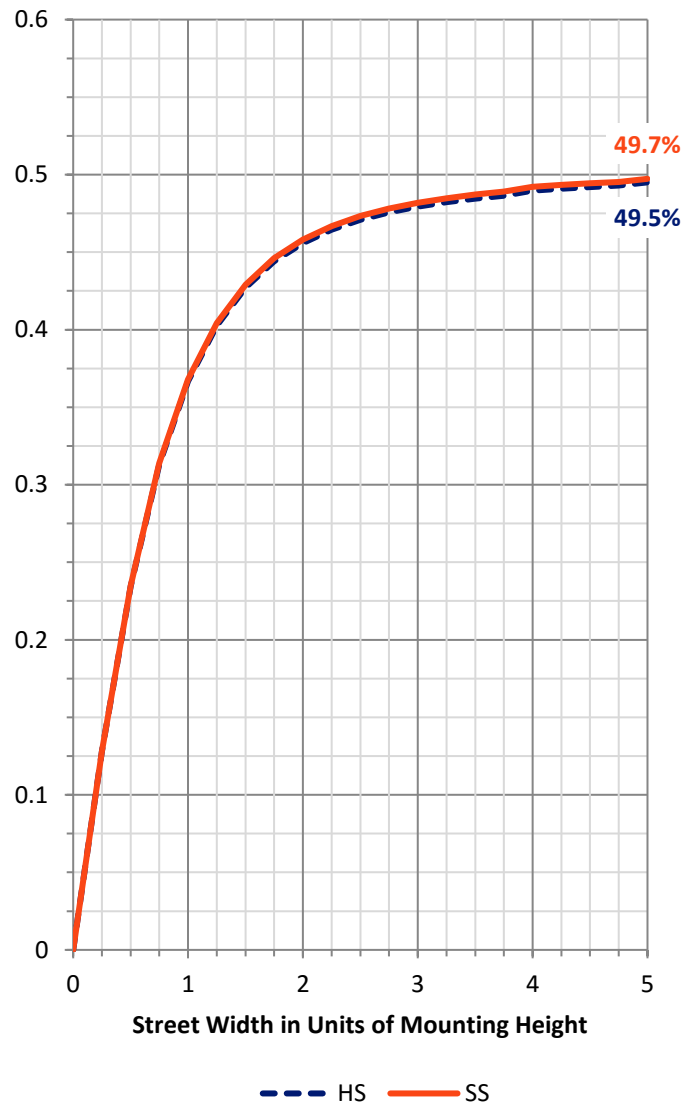
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2145.5	0.0	2145.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2145.5	0.0	2145.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4290.9	0.0	4290.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.3
10°-20°	403.7	9.4
20°-30°	611.8	14.3
30°-40°	738.0	17.2
40°-50°	768.7	17.9
50°-60°	697.4	16.3
60°-70°	533.8	12.4
70°-80°	309.9	7.2
80°-90°	86.8	2.0
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°	4290.9	100.0
0°-180°	4290.9	100.0



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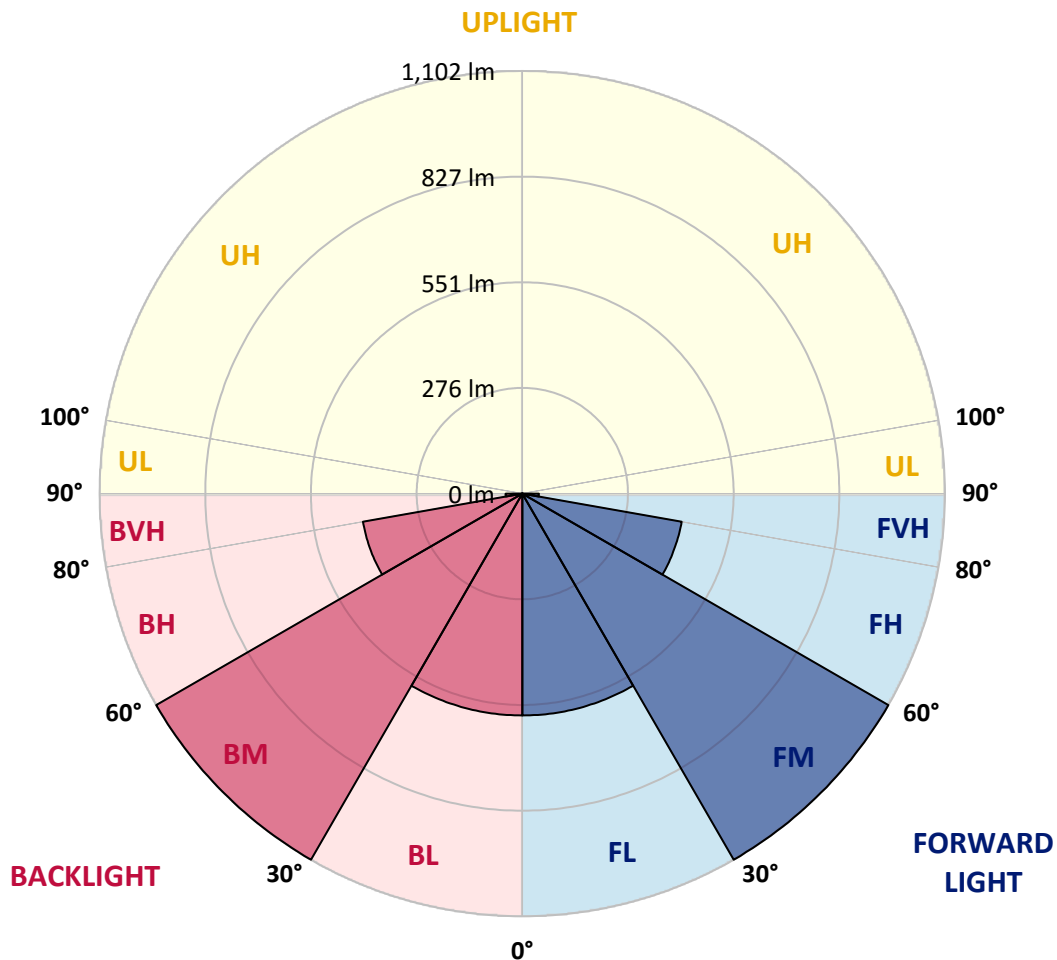
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.2	13.5			
FM	(30°-60°)	1102.0	25.7			
FH	(60°-80°)	421.8	9.8			G0/660
FVH	(80°-90°)	43.4	1.0			G1/100
BL	(0°-30°)	578.2	13.5	B2/1000		
BM	(30°-60°)	1102.0	25.7	B2/2500		
BH	(60°-80°)	421.8	9.8	B1/500		G0/660
BVH	(80°-90°)	43.4	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1492.1	1492.1	1492.1	1492.1	1492.1
2.5°	1494.8	1486.8	1478.7	1491.3	1492.1
5°	1490.4	1485.0	1476.9	1485.0	1486.8
7.5°	1481.4	1474.3	1467.1	1480.5	1479.6
10°	1468.0	1465.3	1456.4	1466.2	1468.9
12.5°	1453.7	1449.2	1442.1	1449.2	1453.7
15°	1433.1	1429.6	1425.1	1433.1	1440.3
17.5°	1406.3	1408.1	1403.6	1412.6	1415.3
20°	1386.7	1384.0	1381.3	1388.4	1388.4
22.5°	1358.9	1361.6	1350.9	1363.4	1366.1
25°	1322.3	1325.9	1320.5	1331.2	1334.8
27.5°	1294.6	1294.6	1288.3	1296.4	1300.8
30°	1258.8	1257.9	1253.4	1258.8	1261.5
32.5°	1213.2	1223.0	1217.7	1225.7	1223.0
35°	1174.8	1178.3	1174.8	1181.9	1186.4
37.5°	1136.3	1138.1	1135.4	1139.9	1144.4
40°	1084.5	1090.7	1085.4	1093.4	1090.7
42.5°	1039.8	1046.0	1046.0	1047.8	1049.6
45°	991.5	998.6	997.7	1002.2	992.4
47.5°	937.8	947.7	943.2	952.1	951.3
50°	884.2	894.9	892.2	890.5	894.0
52.5°	835.9	839.5	838.6	838.6	837.7
55°	776.9	781.4	780.5	782.3	779.6
57.5°	714.3	723.3	722.4	722.4	722.4
60°	659.8	663.4	664.3	663.4	663.4
62.5°	600.8	602.6	604.4	599.9	599.9
65°	537.3	539.1	539.1	540.0	540.9
67.5°	473.8	479.2	476.5	476.5	479.2
70°	413.9	414.8	414.8	414.8	415.7
72.5°	349.6	351.4	354.9	355.8	353.1
75°	289.7	290.6	292.4	295.0	293.2
77.5°	229.8	231.6	234.2	235.1	236.0
80°	174.3	176.1	177.0	179.7	177.9
82.5°	123.4	124.3	124.3	126.1	127.0
85°	71.5	72.4	75.1	76.9	76.9
87.5°	30.4	31.3	30.4	30.4	31.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)