

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: P412430

Luminaire Tested: **22PD-60-PB1-L930**

Issue Date: 9/15/2020



**Test Information**

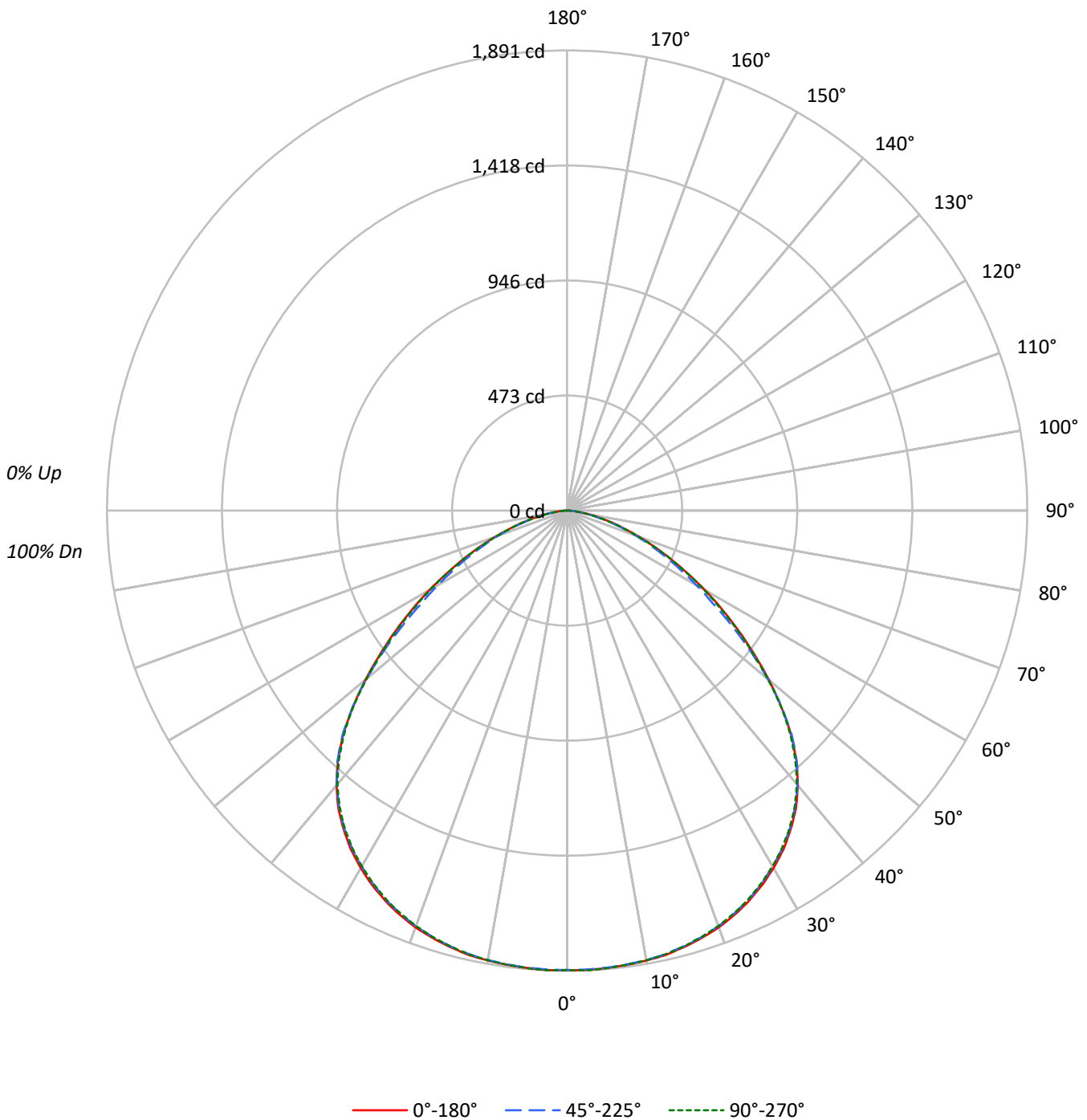
Test Method: LM-79-08  
Report Number: P412430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PB1-L930  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4957.0 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 53.6  
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

TEST NUMBER: P412430  
CATALOG NUMBER: 22PD-60-PB1-L930

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5081	5081	5081
5°	5097	5092	5099
10°	5131	5124	5127
15°	5172	5164	5164
20°	5220	5205	5201
25°	5252	5237	5232
30°	5270	5248	5245
35°	5259	5244	5234
40°	5181	5174	5158
45°	4953	4968	4930
50°	4534	4510	4505
55°	4029	3887	4002
60°	3513	3299	3491
65°	2978	2818	2963
70°	2462	2361	2439
75°	1991	1863	1912
80°	1438	1393	1384
85°	939	939	902



TEST NUMBER: P412430

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.7	3.6
10°-20°	524.0	10.6
20°-30°	813.0	16.4
30°-40°	997.0	20.1
40°-50°	996.7	20.1
50°-60°	754.9	15.2
60°-70°	452.8	9.1
70°-80°	199.4	4.0
80°-90°	39.6	0.8
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°-30°	1516.7	30.6
0°-40°	2513.7	50.7
0°-60°	4265.3	86.0
0°-90°	4957.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4957.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1888	1888	1888	1888	1888	
5°	1887	1885	1885	1885	1888	180
15°	1857	1855	1854	1852	1854	525
25°	1769	1766	1764	1761	1762	815
35°	1601	1600	1596	1595	1593	1000
45°	1301	1303	1306	1302	1296	996
55°	859	840	828	840	853	770
65°	468	451	442	450	465	468
75°	192	187	179	182	184	204
85°	30	32	30	29	29	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1888.1	1888.1	1888.1	1888.1	1888.1
2.5°	1889.9	1886.9	1887.5	1887.5	1891.0
5°	1886.9	1884.6	1885.2	1884.6	1887.5
7.5°	1882.9	1880.5	1881.1	1880.5	1882.3
10°	1877.6	1875.3	1875.3	1874.1	1876.4
12.5°	1870.6	1867.7	1866.5	1865.9	1867.7
15°	1856.6	1854.8	1853.7	1852.5	1853.7
17.5°	1841.4	1838.5	1837.3	1835.0	1837.3
20°	1822.7	1818.6	1817.5	1815.7	1816.3
22.5°	1798.2	1794.7	1793.0	1790.0	1791.2
25°	1769.0	1765.5	1763.8	1760.8	1762.0
27.5°	1735.2	1732.8	1728.7	1726.4	1727.0
30°	1696.0	1693.7	1689.0	1687.9	1687.9
32.5°	1652.8	1649.9	1645.8	1644.7	1644.1
35°	1600.9	1600.3	1596.2	1595.0	1593.3
37.5°	1544.2	1543.1	1538.4	1537.2	1535.5
40°	1474.8	1473.6	1473.0	1470.7	1468.3
42.5°	1394.2	1395.9	1397.1	1392.4	1387.8
45°	1301.4	1303.1	1305.5	1301.9	1295.5
47.5°	1192.8	1199.8	1196.3	1198.6	1192.2
50°	1083.0	1083.0	1077.2	1079.5	1076.0
52.5°	968.0	958.7	951.6	956.3	961.0
55°	858.8	840.1	828.5	839.6	853.0
57.5°	754.3	732.1	710.5	728.0	744.4
60°	652.7	627.0	613.0	625.9	648.6
62.5°	556.4	537.7	523.7	533.6	552.9
65°	467.7	451.3	442.5	450.1	465.3
67.5°	386.5	375.4	366.6	373.1	384.7
70°	312.9	310.0	300.1	303.0	310.0
72.5°	245.8	245.2	236.5	238.8	242.9
75°	191.5	187.4	179.2	182.2	183.9
77.5°	135.4	137.2	129.6	131.4	131.4
80°	92.8	95.7	89.9	88.7	89.3
82.5°	59.0	59.0	58.4	57.8	56.0
85°	30.4	31.5	30.4	29.2	29.2
87.5°	11.7	11.7	11.7	11.1	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)