

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: P412781

Luminaire Tested: **22PD-65-PP3-L930**

Issue Date: 9/15/2020



**Test Information**

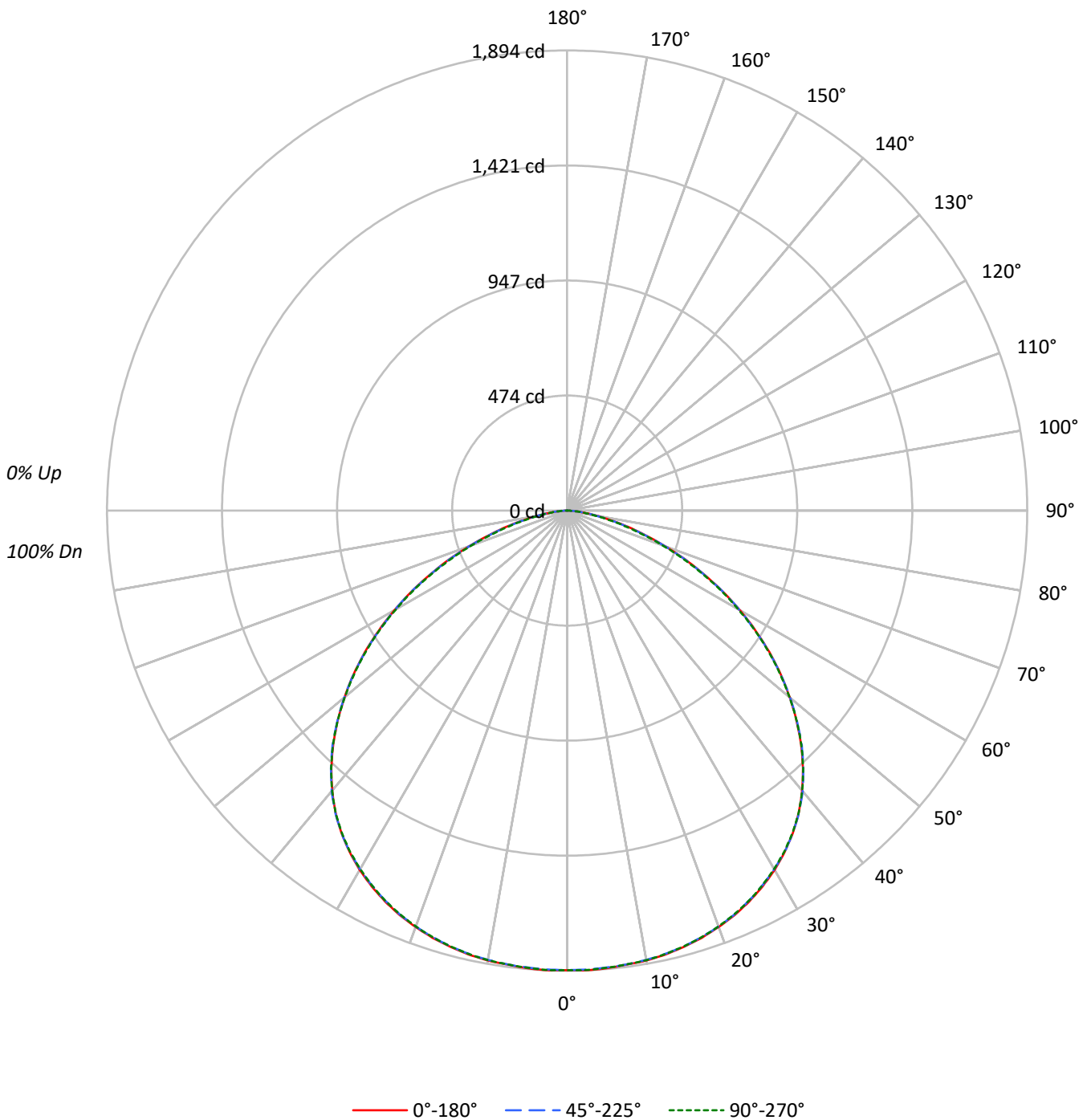
Test Method: LM-79-08  
Report Number: P412781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PP3-L930  
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5427.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 57.9  
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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### 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	5090	5090	5090
5°	5106	5099	5103
10°	5138	5131	5134
15°	5178	5173	5173
20°	5223	5218	5216
25°	5269	5260	5260
30°	5307	5297	5295
35°	5322	5322	5316
40°	5287	5298	5287
45°	5182	5197	5189
50°	5008	5016	5002
55°	4768	4756	4747
60°	4426	4415	4381
65°	3953	3949	3905
70°	3379	3359	3285
75°	2692	2614	2535
80°	1918	1880	1781
85°	1247	1247	1210



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.9	3.3
10°-20°	524.7	9.7
20°-30°	817.0	15.1
30°-40°	1011.2	18.6
40°-50°	1048.6	19.3
50°-60°	903.8	16.7
60°-70°	614.5	11.3
70°-80°	275.0	5.1
80°-90°	52.4	1.0
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°-30°	1521.6	28.0
0°-40°	2532.9	46.7
0°-60°	4485.2	82.6
0°-90°	5427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5427.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1890	1886	1888	1887	1889	180
15°	1859	1856	1857	1856	1857	525
25°	1775	1772	1772	1771	1772	818
35°	1620	1618	1620	1618	1618	1012
45°	1362	1360	1366	1362	1364	1048
55°	1016	1012	1014	1012	1012	906
65°	621	626	620	618	613	616
75°	259	260	251	250	244	279
85°	40	42	40	39	39	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1891.6	1891.6	1891.6	1891.6	1891.6
2.5°	1894.1	1890.3	1890.3	1890.9	1892.8
5°	1890.3	1886.5	1887.8	1887.1	1889.0
7.5°	1885.2	1882.1	1884.0	1882.7	1884.0
10°	1880.2	1877.0	1877.7	1877.0	1878.9
12.5°	1871.3	1867.6	1868.8	1868.8	1869.4
15°	1858.7	1855.6	1856.8	1855.6	1856.8
17.5°	1843.6	1839.8	1840.4	1839.8	1841.0
20°	1824.0	1821.4	1822.1	1820.8	1821.4
22.5°	1801.9	1798.7	1799.3	1798.1	1798.1
25°	1774.7	1772.2	1771.6	1770.9	1771.6
27.5°	1743.1	1740.0	1740.0	1739.3	1739.3
30°	1707.8	1704.6	1704.6	1704.0	1704.0
32.5°	1666.1	1664.8	1665.4	1664.2	1663.6
35°	1620.0	1618.1	1620.0	1617.5	1618.1
37.5°	1566.3	1563.8	1567.6	1565.0	1565.7
40°	1505.0	1503.8	1508.2	1506.3	1505.0
42.5°	1436.8	1436.8	1438.7	1439.3	1438.1
45°	1361.7	1360.4	1365.5	1362.3	1363.6
47.5°	1280.8	1278.9	1282.7	1282.1	1281.5
50°	1196.2	1194.9	1198.1	1194.9	1194.9
52.5°	1108.4	1107.8	1108.4	1105.2	1104.6
55°	1016.2	1012.4	1013.7	1011.8	1011.8
57.5°	920.2	915.8	916.4	915.8	916.4
60°	822.3	821.0	820.4	817.3	814.1
62.5°	721.9	723.1	722.5	718.1	714.9
65°	620.8	625.9	620.2	618.3	613.3
67.5°	525.5	527.4	523.6	519.2	513.5
70°	429.5	433.3	426.9	422.5	417.5
72.5°	337.9	340.4	334.7	332.2	325.9
75°	258.9	259.6	251.4	250.1	243.8
77.5°	184.4	186.9	180.6	180.6	174.3
80°	123.8	128.2	121.3	119.4	114.9
82.5°	77.7	78.3	76.4	74.5	72.6
85°	40.4	41.7	40.4	39.2	39.2
87.5°	15.2	15.8	15.2	14.5	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)