

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: P412780

Luminaire Tested: **22PD-65-PP3-L927**

Issue Date: 9/15/2020



**Test Information**

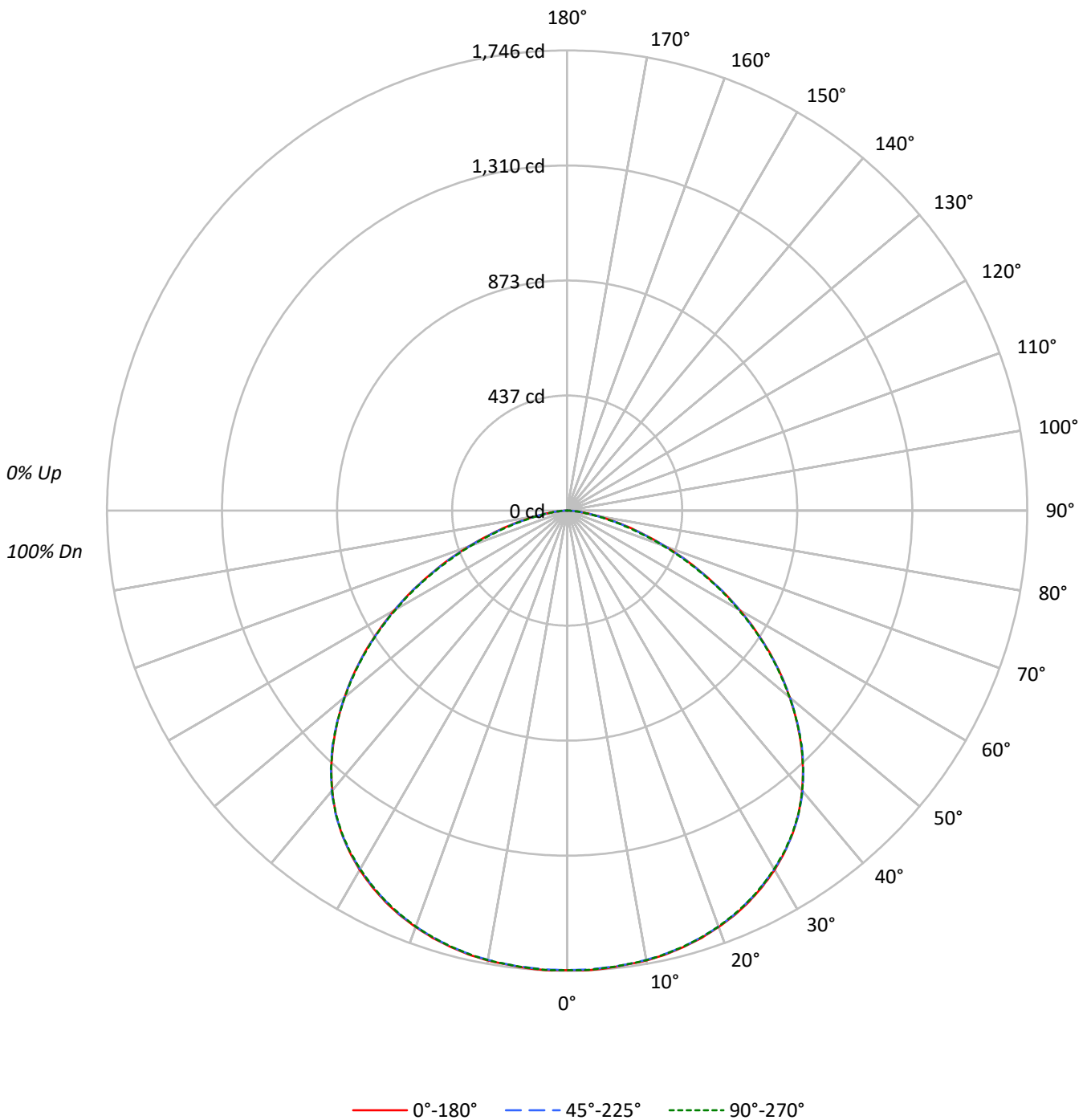
Test Method: LM-79-08  
Report Number: P412780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PP3-L927  
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5003.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 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°	4693	4693	4693
5°	4707	4701	4704
10°	4736	4730	4733
15°	4774	4769	4769
20°	4815	4810	4808
25°	4858	4849	4849
30°	4892	4883	4881
35°	4906	4906	4900
40°	4874	4884	4874
45°	4777	4791	4784
50°	4616	4624	4612
55°	4395	4384	4376
60°	4080	4070	4039
65°	3644	3640	3599
70°	3115	3097	3028
75°	2482	2409	2336
80°	1768	1733	1643
85°	1152	1152	1115



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.8	3.3
10°-20°	483.7	9.7
20°-30°	753.2	15.1
30°-40°	932.2	18.6
40°-50°	966.7	19.3
50°-60°	833.2	16.7
60°-70°	566.5	11.3
70°-80°	253.5	5.1
80°-90°	48.3	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°	1402.7	28.0
0°-40°	2335.0	46.7
0°-60°	4134.8	82.6
0°-90°	5003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5003.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1743	1739	1740	1740	1741	166
15°	1714	1711	1712	1711	1712	484
25°	1636	1634	1633	1633	1633	754
35°	1493	1492	1493	1491	1492	933
45°	1255	1254	1259	1256	1257	966
55°	937	933	934	933	933	835
65°	572	577	572	570	565	568
75°	239	239	232	231	225	257
85°	37	38	37	36	36	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1743.8	1743.8	1743.8	1743.8	1743.8
2.5°	1746.1	1742.6	1742.6	1743.2	1744.9
5°	1742.6	1739.1	1740.3	1739.7	1741.4
7.5°	1737.9	1735.0	1736.8	1735.6	1736.8
10°	1733.3	1730.4	1731.0	1730.4	1732.1
12.5°	1725.1	1721.6	1722.8	1722.8	1723.4
15°	1713.5	1710.6	1711.7	1710.6	1711.7
17.5°	1699.5	1696.0	1696.6	1696.0	1697.2
20°	1681.5	1679.1	1679.7	1678.6	1679.1
22.5°	1661.1	1658.2	1658.8	1657.6	1657.6
25°	1636.1	1633.7	1633.1	1632.6	1633.1
27.5°	1606.9	1604.0	1604.0	1603.5	1603.5
30°	1574.3	1571.4	1571.4	1570.8	1570.8
32.5°	1535.9	1534.7	1535.3	1534.2	1533.6
35°	1493.4	1491.7	1493.4	1491.1	1491.7
37.5°	1443.9	1441.6	1445.1	1442.8	1443.3
40°	1387.4	1386.3	1390.4	1388.6	1387.4
42.5°	1324.6	1324.6	1326.3	1326.9	1325.7
45°	1255.3	1254.1	1258.8	1255.9	1257.0
47.5°	1180.8	1179.0	1182.5	1181.9	1181.3
50°	1102.7	1101.6	1104.5	1101.6	1101.6
52.5°	1021.8	1021.2	1021.8	1018.9	1018.3
55°	936.8	933.3	934.5	932.7	932.7
57.5°	848.3	844.2	844.8	844.2	844.8
60°	758.1	756.9	756.3	753.4	750.5
62.5°	665.5	666.6	666.1	662.0	659.1
65°	572.3	577.0	571.7	570.0	565.3
67.5°	484.4	486.2	482.7	478.6	473.4
70°	395.9	399.4	393.6	389.5	384.9
72.5°	311.5	313.8	308.6	306.3	300.4
75°	238.7	239.3	231.7	230.6	224.7
77.5°	170.0	172.3	166.5	166.5	160.7
80°	114.1	118.2	111.8	110.0	106.0
82.5°	71.6	72.2	70.4	68.7	67.0
85°	37.3	38.4	37.3	36.1	36.1
87.5°	14.0	14.6	14.0	13.4	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)