

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: P412772

Luminaire Tested: **22PD-60-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412772
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-60-PP3-L930
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

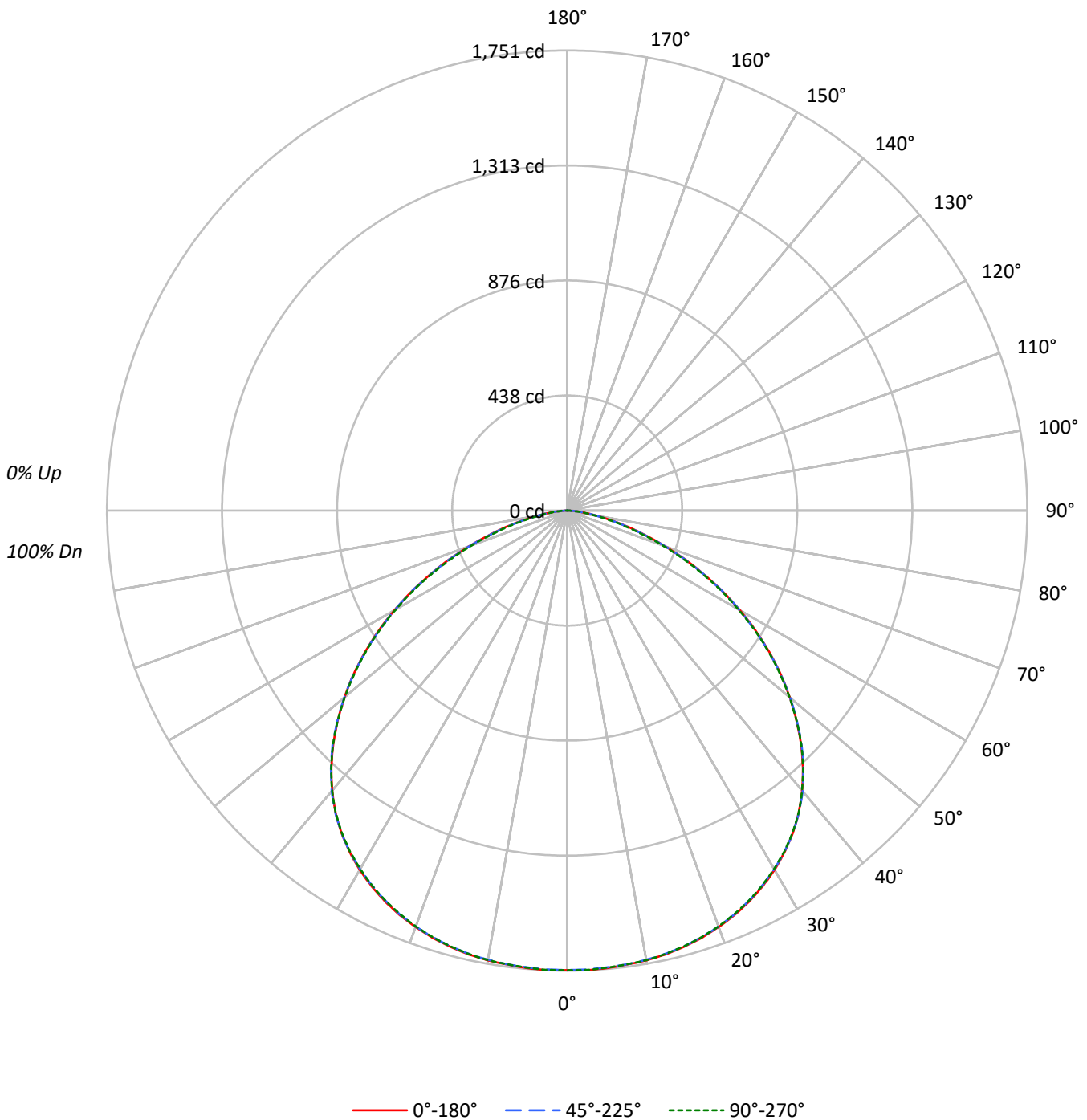
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5017.0 lumens
Efficiency: N/A
Efficacy: 93.6 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): 53.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	4705	4705	4705
5°	4720	4714	4717
10°	4749	4743	4746
15°	4787	4782	4782
20°	4829	4824	4822
25°	4871	4863	4863
30°	4905	4896	4895
35°	4920	4920	4914
40°	4887	4898	4887
45°	4791	4804	4797
50°	4629	4637	4625
55°	4407	4396	4388
60°	4091	4082	4050
65°	3654	3650	3610
70°	3124	3105	3036
75°	2489	2416	2344
80°	1773	1737	1647
85°	1155	1155	1118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	3.3
10°-20°	485.1	9.7
20°-30°	755.3	15.1
30°-40°	934.8	18.6
40°-50°	969.4	19.3
50°-60°	835.5	16.7
60°-70°	568.0	11.3
70°-80°	254.2	5.1
80°-90°	48.4	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°	1406.7	28.0
0°-40°	2341.5	46.7
0°-60°	4146.4	82.6
0°-90°	5017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1749	1749	1749	1749	1749	
5°	1748	1744	1745	1745	1746	166
15°	1718	1715	1716	1715	1716	486
25°	1641	1638	1638	1637	1638	756
35°	1498	1496	1498	1495	1496	935
45°	1259	1258	1262	1259	1260	969
55°	939	936	937	935	935	838
65°	574	579	573	572	567	570
75°	239	240	232	231	225	258
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°	1748.6	1748.6	1748.6	1748.6	1748.6
2.5°	1751.0	1747.5	1747.5	1748.1	1749.8
5°	1747.5	1744.0	1745.1	1744.6	1746.3
7.5°	1742.8	1739.9	1741.6	1740.5	1741.6
10°	1738.1	1735.2	1735.8	1735.2	1737.0
12.5°	1730.0	1726.5	1727.6	1727.6	1728.2
15°	1718.3	1715.4	1716.5	1715.4	1716.5
17.5°	1704.3	1700.8	1701.4	1700.8	1701.9
20°	1686.2	1683.8	1684.4	1683.3	1683.8
22.5°	1665.7	1662.8	1663.4	1662.2	1662.2
25°	1640.6	1638.3	1637.7	1637.1	1637.7
27.5°	1611.4	1608.5	1608.5	1607.9	1607.9
30°	1578.7	1575.8	1575.8	1575.2	1575.2
32.5°	1540.2	1539.0	1539.6	1538.5	1537.9
35°	1497.6	1495.8	1497.6	1495.3	1495.8
37.5°	1448.0	1445.6	1449.1	1446.8	1447.4
40°	1391.3	1390.2	1394.2	1392.5	1391.3
42.5°	1328.3	1328.3	1330.0	1330.6	1329.4
45°	1258.8	1257.6	1262.3	1259.4	1260.5
47.5°	1184.1	1182.3	1185.8	1185.2	1184.6
50°	1105.8	1104.7	1107.6	1104.7	1104.7
52.5°	1024.7	1024.1	1024.7	1021.7	1021.2
55°	939.4	935.9	937.1	935.3	935.3
57.5°	850.7	846.6	847.2	846.6	847.2
60°	760.2	759.0	758.4	755.5	752.6
62.5°	667.3	668.5	667.9	663.8	660.9
65°	573.9	578.6	573.3	571.6	566.9
67.5°	485.8	487.5	484.0	479.9	474.7
70°	397.0	400.5	394.7	390.6	385.9
72.5°	312.4	314.7	309.4	307.1	301.3
75°	239.4	240.0	232.4	231.2	225.4
77.5°	170.5	172.8	167.0	167.0	161.1
80°	114.4	118.5	112.1	110.3	106.3
82.5°	71.8	72.4	70.6	68.9	67.1
85°	37.4	38.5	37.4	36.2	36.2
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)