

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: P413231

Luminaire Tested: **24PD-60-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PC3-L930
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

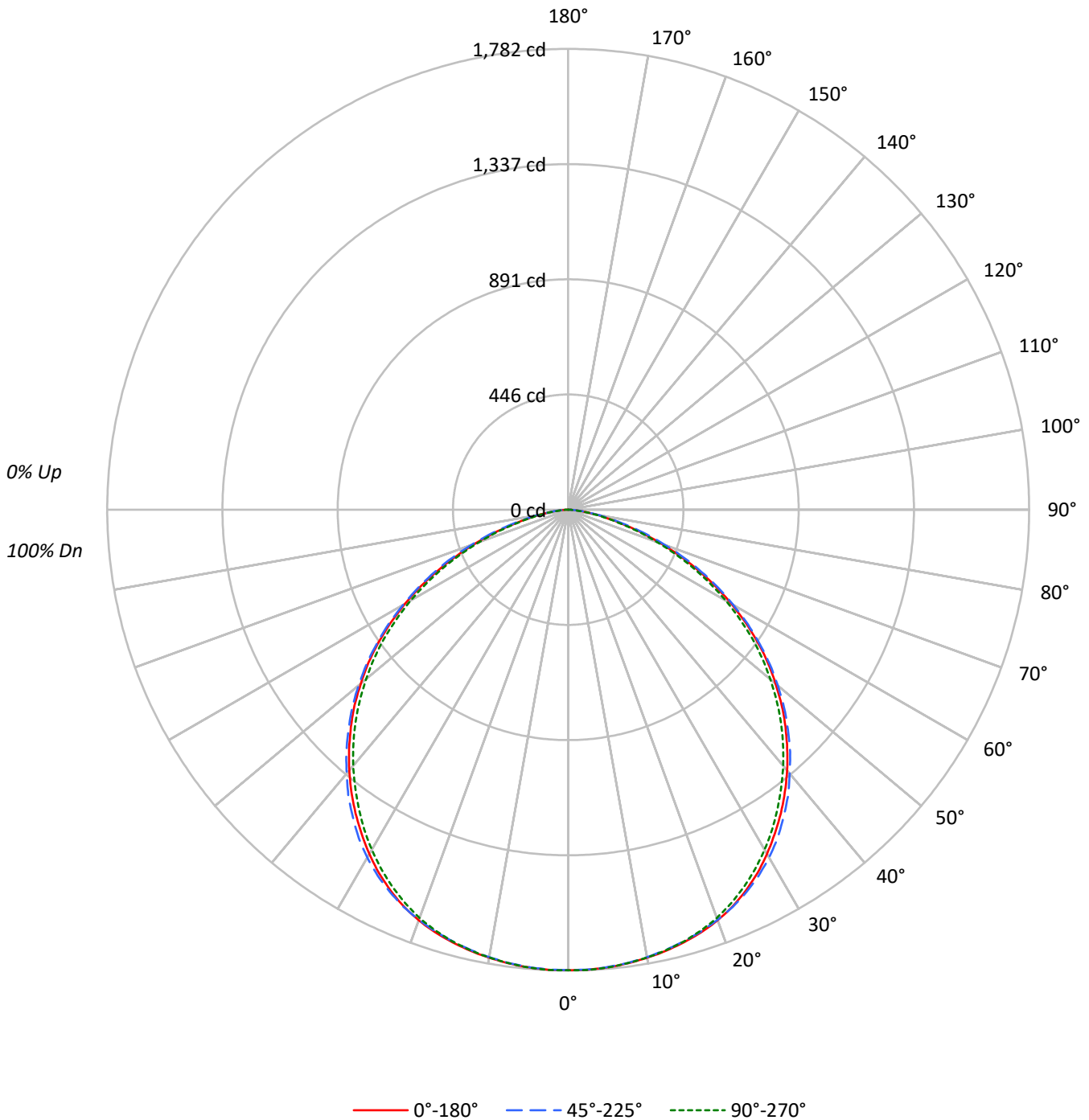
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4867.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2396	2396	2396
5°	2399	2398	2400
10°	2404	2400	2402
15°	2412	2407	2407
20°	2420	2416	2405
25°	2413	2422	2388
30°	2389	2414	2359
35°	2354	2383	2318
40°	2312	2340	2271
45°	2260	2284	2213
50°	2190	2215	2136
55°	2100	2118	2038
60°	1960	1983	1893
65°	1767	1811	1698
70°	1500	1566	1440
75°	1161	1246	1108
80°	864	902	783
85°	533	571	496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	3.5
10°-20°	488.3	10.0
20°-30°	747.8	15.4
30°-40°	899.6	18.5
40°-50°	917.3	18.8
50°-60°	795.3	16.3
60°-70°	551.4	11.3
70°-80°	251.8	5.2
80°-90°	46.5	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°	1405.0	28.9
0°-40°	2304.7	47.4
0°-60°	4017.3	82.5
0°-90°	4867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1781	1781	1781	1781	1781	
5°	1776	1776	1775	1774	1777	169
15°	1731	1731	1728	1726	1728	489
25°	1625	1630	1631	1617	1608	748
35°	1433	1448	1451	1432	1411	896
45°	1188	1202	1200	1184	1163	915
55°	895	901	903	881	869	798
65°	555	567	569	550	533	549
75°	223	236	240	232	213	244
85°	34	36	37	35	32	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1780.6	1780.6	1780.6	1780.6	1780.6
2.5°	1780.6	1780.6	1779.6	1778.6	1781.6
5°	1776.2	1776.2	1775.2	1774.2	1776.7
7.5°	1769.3	1768.8	1767.8	1766.8	1768.3
10°	1759.4	1758.9	1756.9	1756.4	1758.4
12.5°	1747.1	1746.6	1743.6	1743.6	1745.1
15°	1731.3	1730.8	1727.8	1726.3	1728.3
17.5°	1713.5	1713.0	1709.6	1705.6	1706.6
20°	1689.8	1689.8	1687.4	1681.5	1680.0
22.5°	1661.2	1662.7	1662.7	1651.4	1646.9
25°	1625.2	1629.7	1631.1	1616.8	1608.5
27.5°	1584.3	1591.2	1595.1	1576.9	1566.0
30°	1537.4	1548.8	1553.7	1534.0	1518.2
32.5°	1486.1	1500.4	1506.4	1487.1	1466.9
35°	1432.9	1448.2	1451.1	1432.4	1411.2
37.5°	1376.1	1391.9	1395.9	1379.1	1353.0
40°	1316.5	1332.2	1332.2	1318.4	1292.8
42.5°	1253.3	1270.1	1269.6	1252.8	1229.6
45°	1187.7	1202.5	1200.5	1184.3	1163.1
47.5°	1120.1	1129.5	1132.0	1112.7	1092.5
50°	1046.2	1055.5	1058.0	1036.3	1020.5
52.5°	973.2	979.1	982.5	957.4	946.0
55°	895.2	900.7	903.1	880.9	868.6
57.5°	812.9	819.8	822.7	800.5	786.7
60°	728.5	735.9	736.9	716.2	703.4
62.5°	642.7	652.6	654.5	633.8	618.5
65°	554.9	566.7	568.7	549.5	533.2
67.5°	467.1	482.9	483.4	467.6	448.4
70°	381.3	398.5	398.0	384.7	366.0
72.5°	299.4	315.2	318.6	306.3	288.1
75°	223.4	235.8	239.7	231.8	213.1
77.5°	158.8	170.2	173.6	166.2	152.4
80°	111.5	112.0	116.4	110.5	101.1
82.5°	69.1	68.1	69.5	67.1	61.7
85°	34.5	35.5	37.0	35.0	32.1
87.5°	11.8	12.3	13.3	13.3	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)