

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: P412890

Luminaire Tested: **24PD-60-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PP3-L935
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

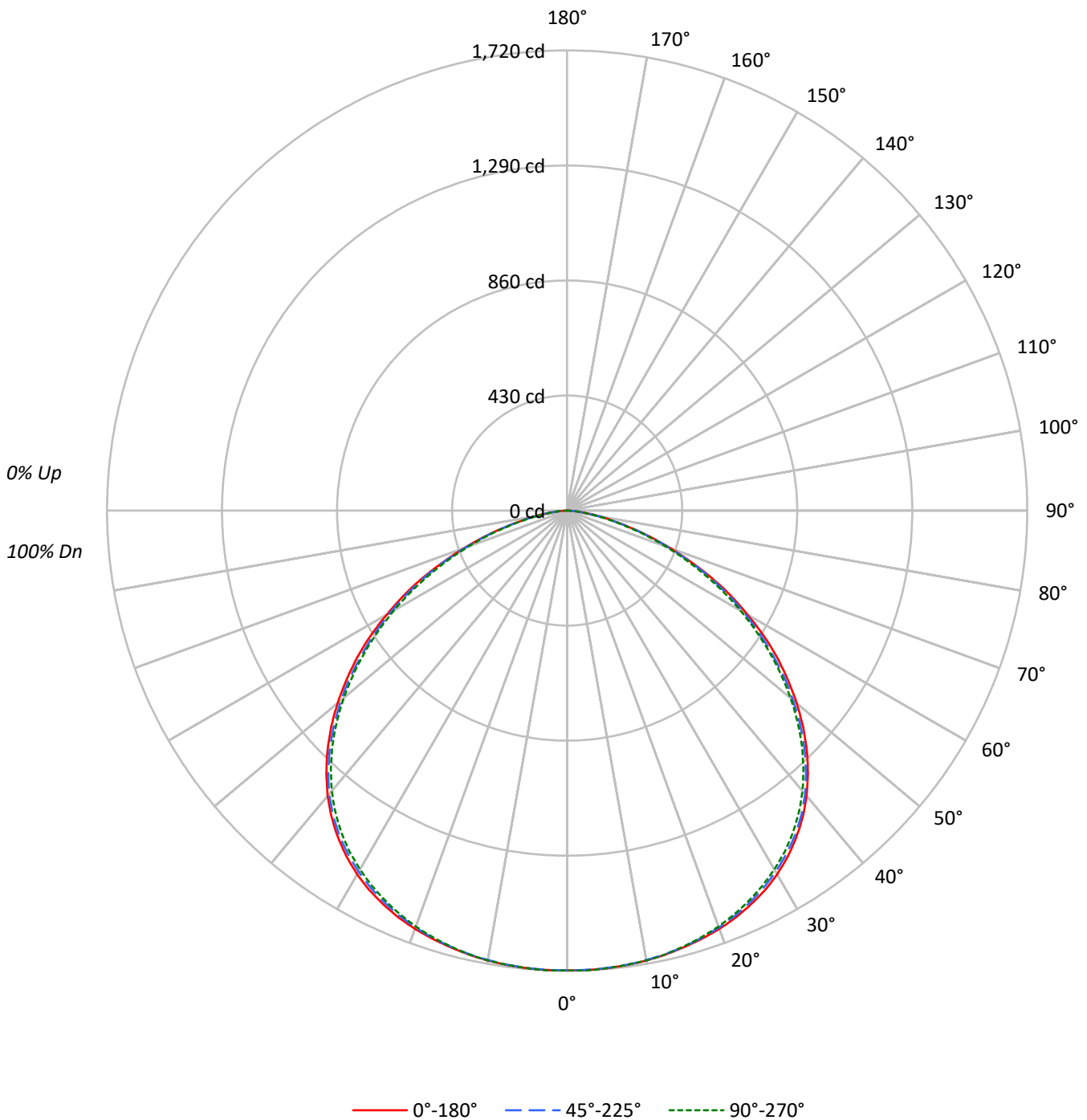
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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 (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	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
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°	2312	2312	2312
5°	2319	2318	2319
10°	2333	2330	2332
15°	2354	2350	2349
20°	2382	2374	2369
25°	2412	2399	2388
30°	2439	2422	2406
35°	2452	2437	2415
40°	2446	2431	2403
45°	2411	2387	2360
50°	2344	2307	2283
55°	2248	2194	2165
60°	2094	2058	2016
65°	1898	1860	1806
70°	1620	1590	1539
75°	1265	1252	1193
80°	933	894	844
85°	563	563	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	3.3
10°-20°	477.1	9.5
20°-30°	745.8	14.9
30°-40°	926.9	18.5
40°-50°	965.7	19.3
50°-60°	838.0	16.8
60°-70°	576.2	11.5
70°-80°	260.0	5.2
80°-90°	47.7	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°	1386.5	27.7
0°-40°	2313.3	46.3
0°-60°	4117.1	82.3
0°-90°	5001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1717	1717	1716	1715	1717	164
15°	1690	1690	1687	1686	1686	478
25°	1625	1624	1616	1610	1609	750
35°	1493	1493	1484	1475	1470	933
45°	1267	1267	1254	1245	1240	975
55°	958	953	935	924	923	854
65°	596	594	584	570	567	588
75°	243	244	241	234	229	265
85°	36	36	36	36	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1719.2	1719.2	1718.2	1716.7	1720.2
5°	1716.7	1717.2	1716.2	1714.7	1717.2
7.5°	1713.2	1713.7	1712.2	1710.7	1712.7
10°	1707.7	1707.2	1705.7	1704.7	1707.2
12.5°	1699.7	1699.2	1697.7	1696.7	1698.7
15°	1689.7	1689.7	1687.2	1685.7	1686.2
17.5°	1677.7	1677.7	1674.2	1670.7	1671.7
20°	1663.7	1663.2	1658.2	1654.7	1654.2
22.5°	1646.2	1646.2	1639.2	1634.7	1633.2
25°	1624.7	1624.2	1616.2	1609.7	1608.7
27.5°	1600.3	1599.3	1589.8	1583.3	1580.8
30°	1569.8	1568.8	1558.8	1551.8	1548.8
32.5°	1533.8	1535.3	1523.8	1515.8	1512.8
35°	1492.8	1492.8	1483.8	1475.3	1470.3
37.5°	1445.8	1445.8	1437.3	1428.8	1422.8
40°	1392.4	1392.9	1383.9	1373.4	1368.4
42.5°	1332.4	1333.4	1321.4	1312.9	1307.4
45°	1266.9	1267.4	1254.4	1244.9	1240.4
47.5°	1195.9	1194.9	1180.4	1172.5	1168.0
50°	1120.0	1118.0	1102.0	1094.5	1090.5
52.5°	1040.5	1036.5	1022.5	1011.5	1008.0
55°	958.1	952.6	935.1	924.1	923.1
57.5°	872.1	865.6	851.1	840.6	836.6
60°	778.1	776.6	764.6	752.1	749.2
62.5°	690.2	685.7	675.2	660.2	658.7
65°	596.2	593.7	584.2	570.2	567.2
67.5°	499.3	501.8	493.8	481.3	477.3
70°	411.8	413.3	404.3	392.8	391.3
72.5°	323.8	326.3	318.9	311.4	309.9
75°	243.4	244.4	240.9	234.4	229.4
77.5°	172.9	176.4	172.4	167.9	163.9
80°	120.4	114.9	115.4	113.4	108.9
82.5°	72.5	70.0	69.5	67.5	65.5
85°	36.5	36.0	36.5	36.0	34.0
87.5°	12.0	13.0	13.5	13.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)