

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: P412889

Luminaire Tested: **24PD-60-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412889
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-L930
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

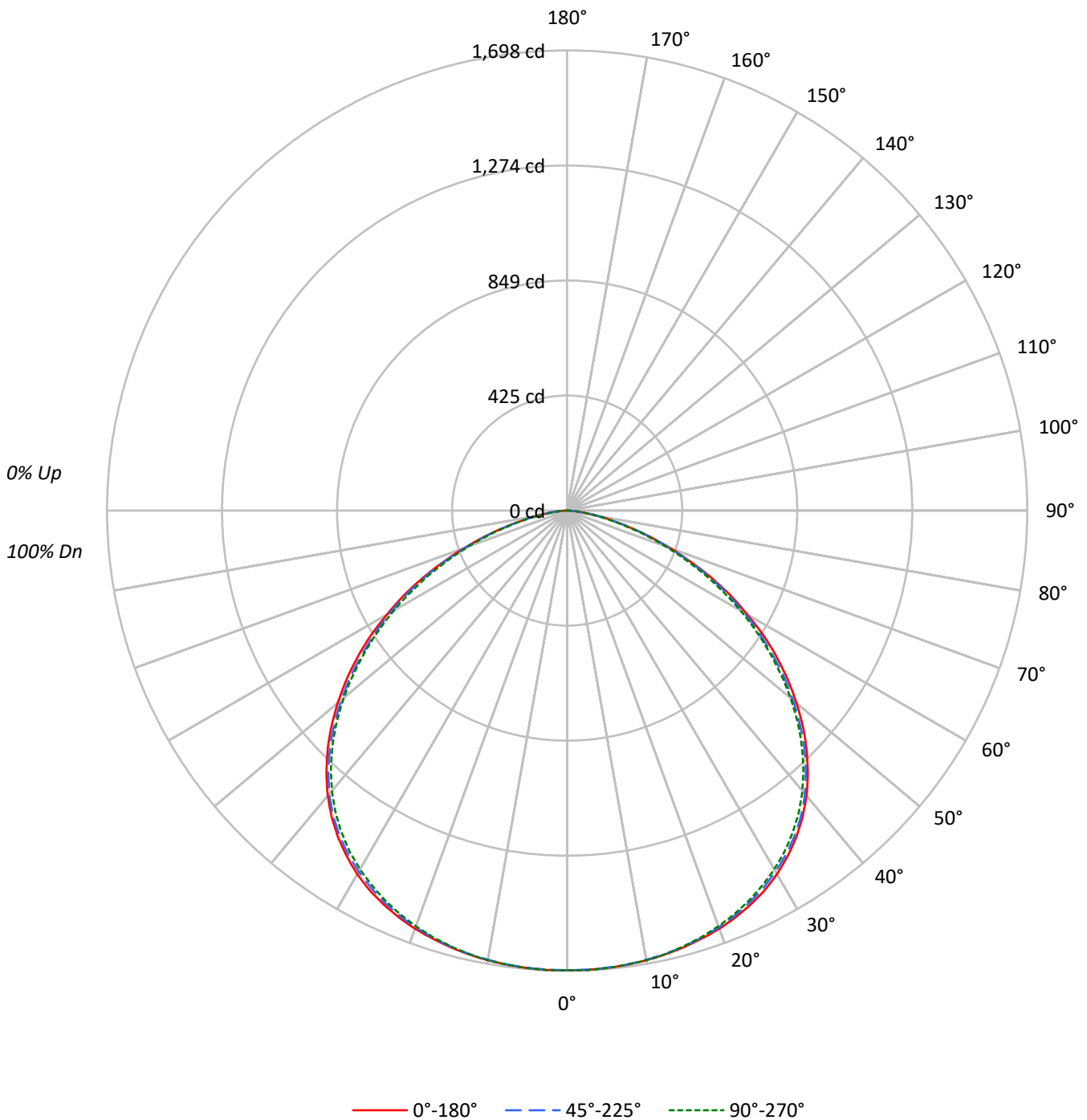
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4935.0 lumens
Efficiency: N/A
Efficacy: 108.7 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°	2282	2282	2282
5°	2288	2287	2289
10°	2302	2300	2302
15°	2323	2319	2318
20°	2351	2343	2337
25°	2380	2368	2357
30°	2407	2390	2374
35°	2420	2405	2383
40°	2413	2399	2372
45°	2379	2355	2329
50°	2313	2276	2253
55°	2218	2164	2137
60°	2066	2031	1989
65°	1873	1835	1782
70°	1599	1570	1519
75°	1249	1236	1177
80°	921	883	833
85°	556	556	517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	3.3
10°-20°	470.9	9.5
20°-30°	736.0	14.9
30°-40°	914.7	18.5
40°-50°	953.0	19.3
50°-60°	826.9	16.8
60°-70°	568.6	11.5
70°-80°	256.6	5.2
80°-90°	47.0	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°	1368.2	27.7
0°-40°	2282.8	46.3
0°-60°	4062.8	82.3
0°-90°	4935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1694	1694	1694	1692	1694	161
15°	1667	1667	1665	1664	1664	472
25°	1603	1603	1595	1588	1588	740
35°	1473	1473	1464	1456	1451	921
45°	1250	1251	1238	1228	1224	962
55°	945	940	923	912	911	843
65°	588	586	576	563	560	581
75°	240	241	238	231	226	262
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°	1696.0	1696.0	1696.0	1696.0	1696.0
2.5°	1696.5	1696.5	1695.5	1694.0	1697.5
5°	1694.0	1694.5	1693.5	1692.1	1694.5
7.5°	1690.6	1691.1	1689.6	1688.1	1690.1
10°	1685.2	1684.7	1683.2	1682.2	1684.7
12.5°	1677.3	1676.8	1675.3	1674.3	1676.3
15°	1667.4	1667.4	1664.9	1663.5	1664.0
17.5°	1655.6	1655.6	1652.1	1648.7	1649.7
20°	1641.8	1641.3	1636.3	1632.9	1632.4
22.5°	1624.5	1624.5	1617.6	1613.2	1611.7
25°	1603.3	1602.8	1594.9	1588.5	1587.5
27.5°	1579.1	1578.1	1568.8	1562.4	1559.9
30°	1549.1	1548.1	1538.2	1531.3	1528.3
32.5°	1513.5	1515.0	1503.7	1495.8	1492.8
35°	1473.1	1473.1	1464.2	1455.8	1450.9
37.5°	1426.7	1426.7	1418.4	1410.0	1404.1
40°	1374.0	1374.5	1365.6	1355.2	1350.3
42.5°	1314.8	1315.8	1303.9	1295.6	1290.1
45°	1250.2	1250.7	1237.9	1228.5	1224.1
47.5°	1180.2	1179.2	1164.9	1157.0	1152.5
50°	1105.2	1103.2	1087.4	1080.0	1076.1
52.5°	1026.8	1022.8	1009.0	998.2	994.7
55°	945.4	940.0	922.7	911.9	910.9
57.5°	860.6	854.2	839.9	829.5	825.6
60°	767.9	766.4	754.6	742.2	739.3
62.5°	681.1	676.6	666.3	651.5	650.0
65°	588.4	585.9	576.5	562.7	559.7
67.5°	492.7	495.1	487.3	474.9	471.0
70°	406.4	407.9	399.0	387.6	386.2
72.5°	319.6	322.0	314.6	307.2	305.8
75°	240.2	241.2	237.7	231.3	226.4
77.5°	170.6	174.1	170.1	165.7	161.8
80°	118.9	113.4	113.9	111.9	107.5
82.5°	71.5	69.0	68.6	66.6	64.6
85°	36.0	35.5	36.0	35.5	33.5
87.5°	11.8	12.8	13.3	13.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)