

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: P412757

Luminaire Tested: **22PD-50-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412757
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-50-PP3-L950
Description: 5000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

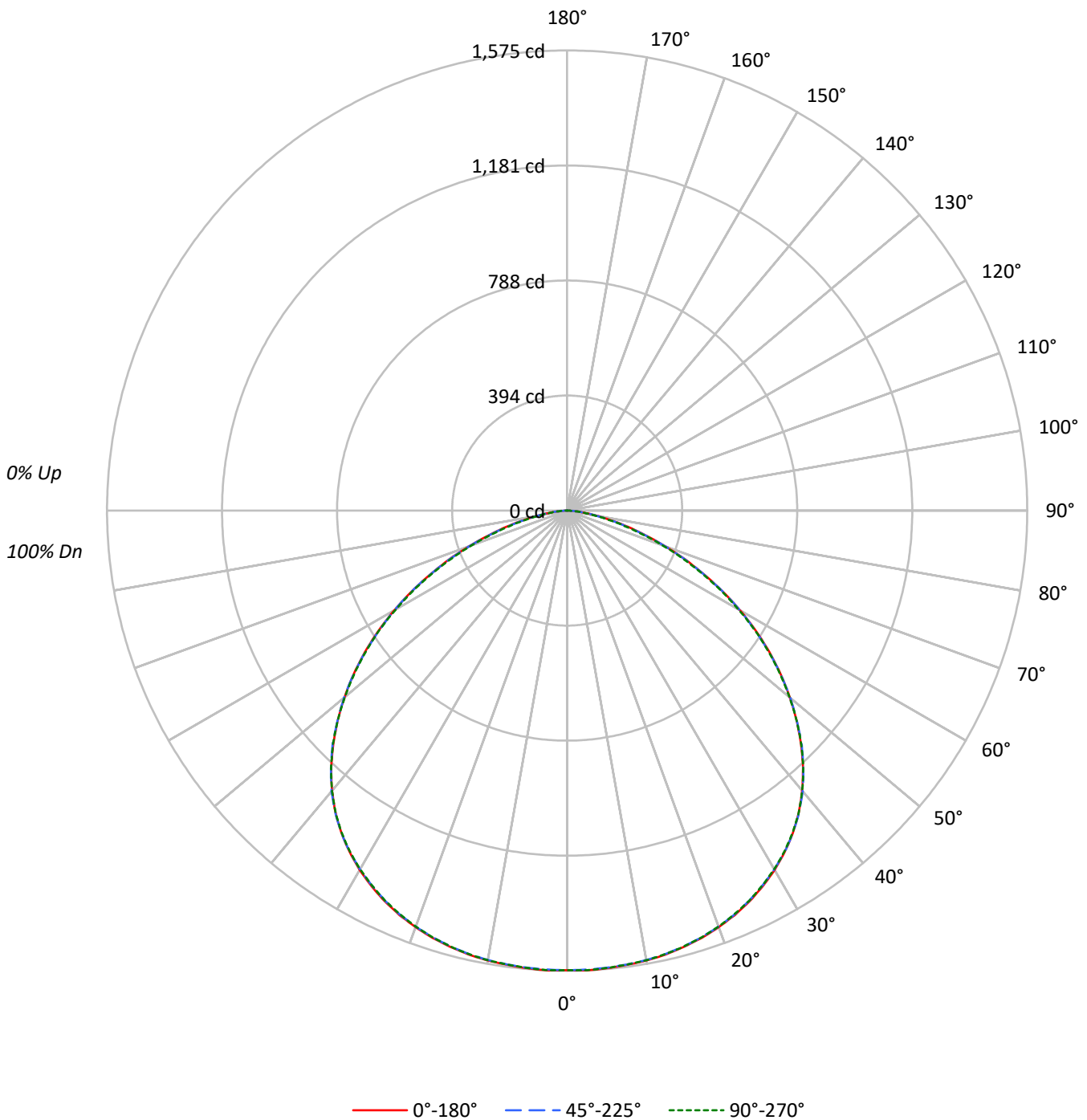
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514.0 lumens
Efficiency: N/A
Efficacy: 106.2 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): 42.5
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°	4234	4234	4234
5°	4247	4242	4244
10°	4273	4268	4270
15°	4307	4303	4303
20°	4344	4340	4338
25°	4383	4375	4375
30°	4414	4405	4404
35°	4426	4426	4421
40°	4397	4407	4397
45°	4310	4322	4316
50°	4165	4172	4161
55°	3965	3955	3948
60°	3681	3673	3644
65°	3288	3285	3248
70°	2810	2794	2732
75°	2240	2174	2109
80°	1596	1564	1481
85°	1037	1037	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.3
10°-20°	436.4	9.7
20°-30°	679.6	15.1
30°-40°	841.1	18.6
40°-50°	872.2	19.3
50°-60°	751.7	16.7
60°-70°	511.1	11.3
70°-80°	228.7	5.1
80°-90°	43.6	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°	1265.6	28.0
0°-40°	2106.7	46.7
0°-60°	3730.6	82.6
0°-90°	4514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1573	1573	1573	1573	1573	
5°	1572	1569	1570	1570	1571	150
15°	1546	1543	1544	1543	1544	437
25°	1476	1474	1474	1473	1474	681
35°	1347	1346	1347	1345	1346	842
45°	1133	1132	1136	1133	1134	872
55°	845	842	843	842	842	754
65°	516	521	516	514	510	513
75°	215	216	209	208	203	232
85°	34	35	34	33	33	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1573.3	1573.3	1573.3	1573.3	1573.3
2.5°	1575.4	1572.3	1572.3	1572.8	1574.4
5°	1572.3	1569.1	1570.2	1569.7	1571.2
7.5°	1568.1	1565.5	1567.0	1566.0	1567.0
10°	1563.9	1561.2	1561.8	1561.2	1562.8
12.5°	1556.5	1553.4	1554.4	1554.4	1554.9
15°	1546.0	1543.4	1544.4	1543.4	1544.4
17.5°	1533.4	1530.3	1530.8	1530.3	1531.3
20°	1517.1	1515.0	1515.5	1514.5	1515.0
22.5°	1498.7	1496.1	1496.6	1495.6	1495.6
25°	1476.1	1474.0	1473.5	1473.0	1473.5
27.5°	1449.9	1447.3	1447.3	1446.7	1446.7
30°	1420.5	1417.8	1417.8	1417.3	1417.3
32.5°	1385.8	1384.7	1385.3	1384.2	1383.7
35°	1347.4	1345.9	1347.4	1345.3	1345.9
37.5°	1302.8	1300.7	1303.8	1301.7	1302.3
40°	1251.8	1250.8	1254.5	1252.9	1251.8
42.5°	1195.1	1195.1	1196.7	1197.2	1196.2
45°	1132.6	1131.5	1135.7	1133.1	1134.2
47.5°	1065.3	1063.8	1066.9	1066.4	1065.9
50°	995.0	993.9	996.5	993.9	993.9
52.5°	921.9	921.4	921.9	919.3	918.8
55°	845.2	842.1	843.1	841.6	841.6
57.5°	765.4	761.7	762.2	761.7	762.2
60°	684.0	682.9	682.4	679.8	677.1
62.5°	600.4	601.5	601.0	597.3	594.7
65°	516.4	520.6	515.9	514.3	510.1
67.5°	437.1	438.6	435.5	431.8	427.1
70°	357.2	360.4	355.1	351.4	347.2
72.5°	281.0	283.1	278.4	276.3	271.1
75°	215.4	215.9	209.1	208.0	202.8
77.5°	153.4	155.5	150.2	150.2	145.0
80°	103.0	106.6	100.9	99.3	95.6
82.5°	64.6	65.1	63.6	62.0	60.4
85°	33.6	34.7	33.6	32.6	32.6
87.5°	12.6	13.1	12.6	12.1	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)