

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: P412766

Luminaire Tested: **22PD-55-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412766
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-55-PP3-L950
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

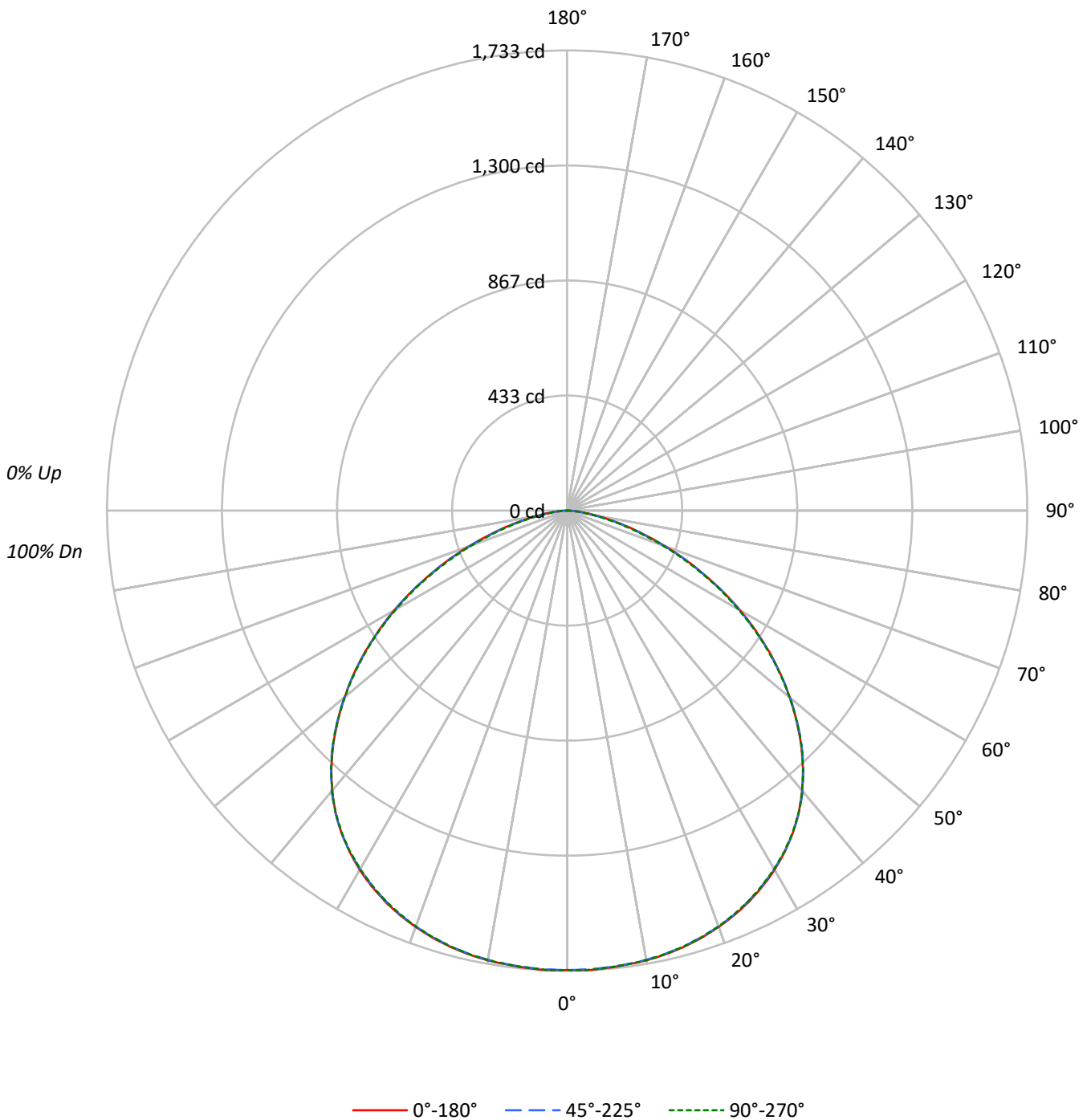
Lumens per Lamp: N/A
Luminaire Lumens: 4965.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.2
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°	4657	4657	4657
5°	4672	4665	4668
10°	4700	4694	4697
15°	4737	4732	4732
20°	4779	4774	4772
25°	4821	4812	4812
30°	4855	4846	4844
35°	4869	4869	4863
40°	4837	4847	4837
45°	4741	4754	4748
50°	4582	4589	4577
55°	4362	4351	4343
60°	4049	4040	4008
65°	3617	3613	3572
70°	3091	3073	3005
75°	2463	2391	2319
80°	1754	1719	1630
85°	1142	1142	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	3.3
10°-20°	480.0	9.7
20°-30°	747.5	15.1
30°-40°	925.1	18.6
40°-50°	959.3	19.3
50°-60°	826.9	16.7
60°-70°	562.2	11.3
70°-80°	251.5	5.1
80°-90°	47.9	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°	1392.1	28.0
0°-40°	2317.2	46.7
0°-60°	4103.4	82.6
0°-90°	4965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1729	1726	1727	1726	1728	165
15°	1700	1698	1699	1698	1699	481
25°	1624	1621	1621	1620	1621	749
35°	1482	1480	1482	1480	1480	926
45°	1246	1245	1249	1246	1248	959
55°	930	926	927	926	926	829
65°	568	573	567	566	561	564
75°	237	238	230	229	223	255
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°	1730.5	1730.5	1730.5	1730.5	1730.5
2.5°	1732.8	1729.4	1729.4	1729.9	1731.7
5°	1729.4	1725.9	1727.1	1726.5	1728.2
7.5°	1724.7	1721.9	1723.6	1722.4	1723.6
10°	1720.1	1717.2	1717.8	1717.2	1719.0
12.5°	1712.0	1708.6	1709.7	1709.7	1710.3
15°	1700.5	1697.6	1698.7	1697.6	1698.7
17.5°	1686.6	1683.1	1683.7	1683.1	1684.3
20°	1668.7	1666.4	1667.0	1665.8	1666.4
22.5°	1648.5	1645.6	1646.2	1645.0	1645.0
25°	1623.6	1621.3	1620.7	1620.2	1620.7
27.5°	1594.7	1591.9	1591.9	1591.3	1591.3
30°	1562.4	1559.5	1559.5	1558.9	1558.9
32.5°	1524.2	1523.1	1523.7	1522.5	1521.9
35°	1482.1	1480.3	1482.1	1479.8	1480.3
37.5°	1433.0	1430.6	1434.1	1431.8	1432.4
40°	1376.9	1375.8	1379.8	1378.1	1376.9
42.5°	1314.5	1314.5	1316.2	1316.8	1315.7
45°	1245.7	1244.6	1249.2	1246.3	1247.5
47.5°	1171.8	1170.1	1173.5	1172.9	1172.4
50°	1094.4	1093.2	1096.1	1093.2	1093.2
52.5°	1014.0	1013.5	1014.0	1011.2	1010.6
55°	929.7	926.2	927.4	925.6	925.6
57.5°	841.9	837.8	838.4	837.8	838.4
60°	752.3	751.1	750.6	747.7	744.8
62.5°	660.4	661.6	661.0	657.0	654.1
65°	568.0	572.6	567.4	565.7	561.0
67.5°	480.7	482.5	479.0	475.0	469.8
70°	392.9	396.4	390.6	386.6	381.9
72.5°	309.1	311.4	306.2	303.9	298.1
75°	236.9	237.5	230.0	228.8	223.0
77.5°	168.7	171.0	165.3	165.3	159.5
80°	113.2	117.3	110.9	109.2	105.2
82.5°	71.1	71.6	69.9	68.2	66.4
85°	37.0	38.1	37.0	35.8	35.8
87.5°	13.9	14.4	13.9	13.3	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)