

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: P412763

Luminaire Tested: **22PD-55-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412763
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-L930
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

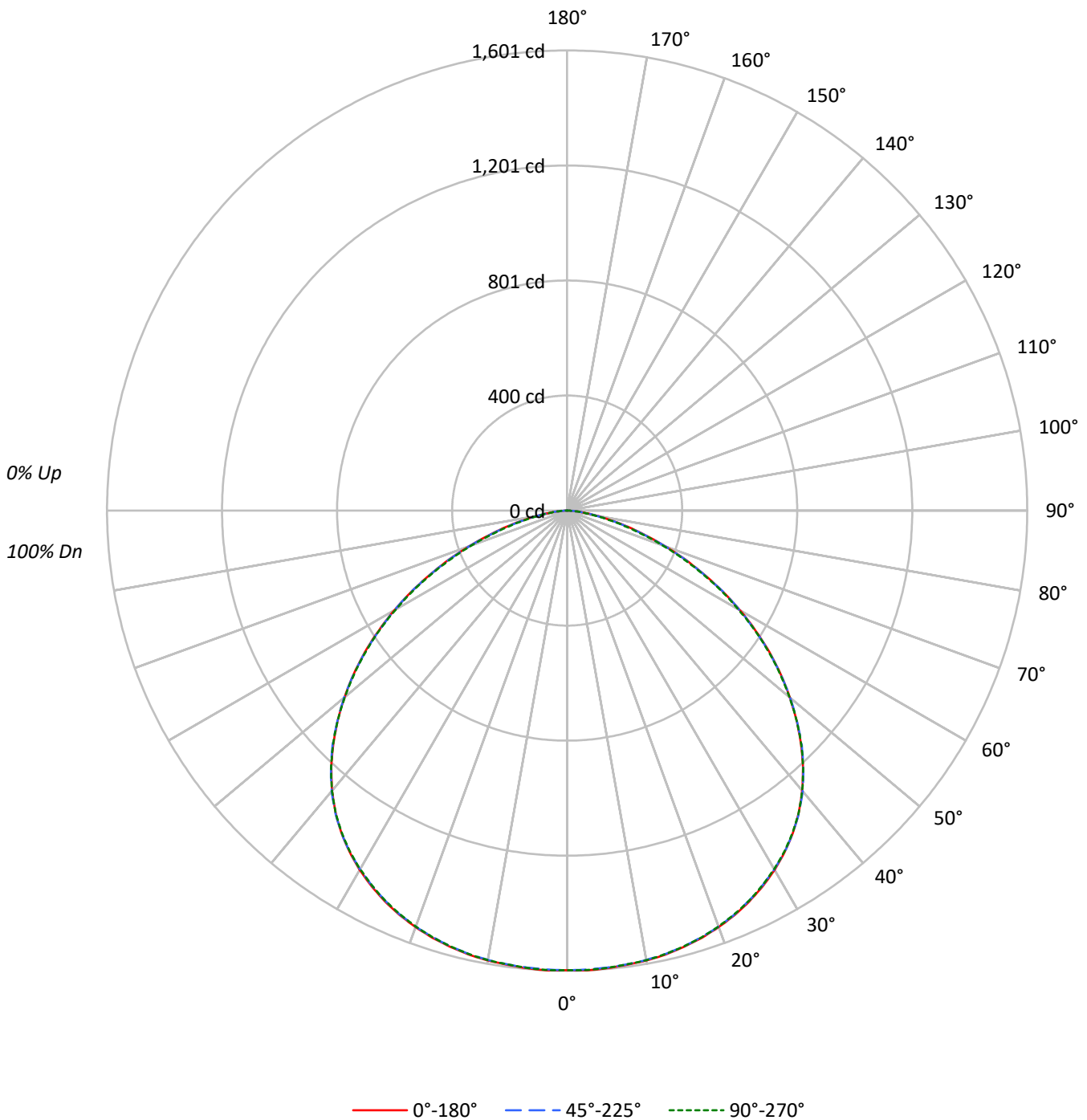
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4588.0 lumens
Efficiency: N/A
Efficacy: 99.3 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

TEST NUMBER: P412763
CATALOG NUMBER: 22PD-55-PP3-L930

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°	4303	4303	4303
5°	4317	4311	4314
10°	4343	4338	4340
15°	4378	4373	4373
20°	4416	4411	4410
25°	4455	4447	4447
30°	4486	4478	4476
35°	4499	4499	4494
40°	4470	4479	4470
45°	4381	4393	4387
50°	4234	4240	4229
55°	4031	4021	4013
60°	3742	3733	3704
65°	3342	3338	3301
70°	2857	2840	2777
75°	2276	2209	2143
80°	1623	1588	1506
85°	1056	1056	1022



TEST NUMBER: P412763

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	3.3
10°-20°	443.6	9.7
20°-30°	690.7	15.1
30°-40°	854.9	18.6
40°-50°	886.5	19.3
50°-60°	764.1	16.7
60°-70°	519.5	11.3
70°-80°	232.4	5.1
80°-90°	44.3	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°	1286.4	28.0
0°-40°	2141.3	46.7
0°-60°	3791.8	82.6
0°-90°	4588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1598	1595	1596	1595	1597	152
15°	1571	1569	1570	1569	1570	444
25°	1500	1498	1498	1497	1498	692
35°	1370	1368	1370	1367	1368	855
45°	1151	1150	1154	1152	1153	886
55°	859	856	857	855	855	766
65°	525	529	524	523	518	521
75°	219	219	212	211	206	236
85°	34	35	34	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1599.1	1599.1	1599.1	1599.1	1599.1
2.5°	1601.3	1598.1	1598.1	1598.6	1600.2
5°	1598.1	1594.9	1595.9	1595.4	1597.0
7.5°	1593.8	1591.1	1592.7	1591.6	1592.7
10°	1589.5	1586.8	1587.4	1586.8	1588.4
12.5°	1582.0	1578.8	1579.9	1579.9	1580.4
15°	1571.4	1568.7	1569.8	1568.7	1569.8
17.5°	1558.5	1555.3	1555.9	1555.3	1556.4
20°	1542.0	1539.9	1540.4	1539.3	1539.9
22.5°	1523.3	1520.6	1521.2	1520.1	1520.1
25°	1500.3	1498.2	1497.7	1497.1	1497.7
27.5°	1473.6	1471.0	1471.0	1470.4	1470.4
30°	1443.7	1441.1	1441.1	1440.5	1440.5
32.5°	1408.5	1407.4	1408.0	1406.9	1406.4
35°	1369.5	1367.9	1369.5	1367.4	1367.9
37.5°	1324.1	1322.0	1325.2	1323.1	1323.6
40°	1272.4	1271.3	1275.0	1273.4	1272.4
42.5°	1214.7	1214.7	1216.3	1216.8	1215.8
45°	1151.2	1150.1	1154.4	1151.7	1152.8
47.5°	1082.8	1081.2	1084.4	1083.9	1083.3
50°	1011.3	1010.2	1012.9	1010.2	1010.2
52.5°	937.0	936.5	937.0	934.4	933.8
55°	859.1	855.9	857.0	855.4	855.4
57.5°	777.9	774.2	774.7	774.2	774.7
60°	695.2	694.1	693.6	690.9	688.2
62.5°	610.3	611.4	610.8	607.1	604.4
65°	524.9	529.1	524.3	522.7	518.4
67.5°	444.2	445.8	442.6	438.9	434.1
70°	363.1	366.3	360.9	357.2	352.9
72.5°	285.7	287.8	283.0	280.8	275.5
75°	218.9	219.4	212.5	211.4	206.1
77.5°	155.9	158.0	152.7	152.7	147.4
80°	104.7	108.4	102.5	100.9	97.2
82.5°	65.7	66.2	64.6	63.0	61.4
85°	34.2	35.2	34.2	33.1	33.1
87.5°	12.8	13.3	12.8	12.3	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)