

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: P413063

Luminaire Tested: **22PD-30-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

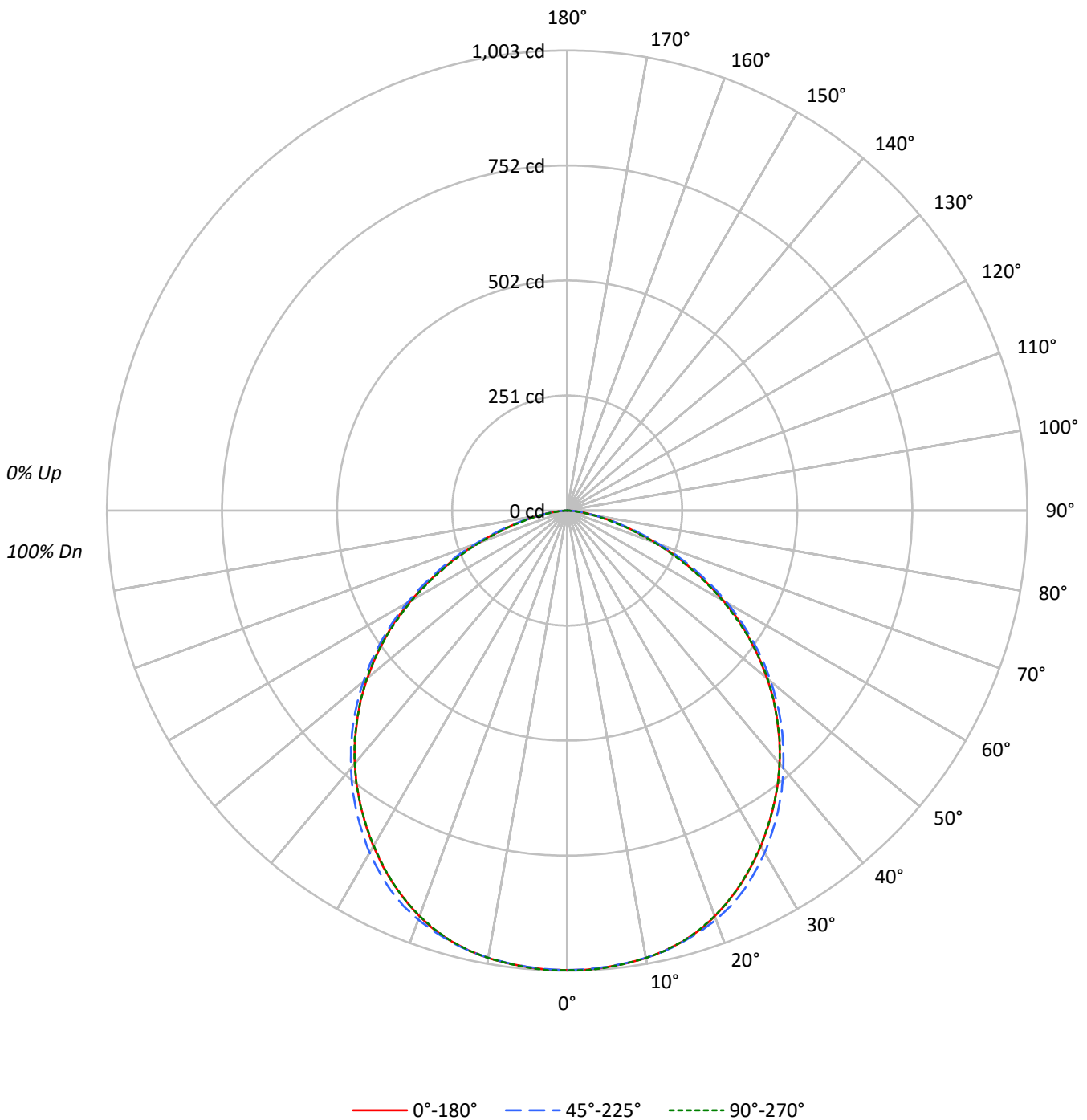
Test Method: LM-79-08  
Report Number: P413063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PC3-L950  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2691.0 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 24.9  
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2696	2696	2696
5°	2699	2697	2701
10°	2706	2705	2706
15°	2709	2713	2708
20°	2695	2717	2693
25°	2664	2707	2662
30°	2624	2676	2620
35°	2579	2630	2579
40°	2531	2575	2531
45°	2464	2512	2468
50°	2380	2426	2389
55°	2269	2314	2269
60°	2116	2169	2102
65°	1899	1966	1875
70°	1625	1682	1577
75°	1288	1325	1223
80°	924	958	879
85°	611	630	571



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.0	3.5
10°-20°	274.5	10.2
20°-30°	416.5	15.5
30°-40°	497.4	18.5
40°-50°	505.8	18.8
50°-60°	437.5	16.3
60°-70°	301.1	11.2
70°-80°	136.6	5.1
80°-90°	26.4	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°	786.0	29.2
0°-40°	1283.5	47.7
0°-60°	2226.8	82.8
0°-90°	2691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	999	998	998	998	1000	95
15°	972	973	974	972	972	274
25°	897	905	912	904	897	413
35°	785	799	801	798	785	491
45°	647	659	660	660	648	499
55°	484	492	493	492	484	432
65°	298	306	309	306	294	296
75°	124	129	127	126	118	133
85°	20	21	20	20	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1001.7	1001.7	1001.7	1001.7	1001.7
2.5°	1001.7	1000.4	1000.7	1001.1	1003.0
5°	999.1	998.2	998.5	998.5	999.8
7.5°	995.0	994.7	994.7	994.4	995.3
10°	990.2	989.6	989.9	989.6	990.2
12.5°	982.9	982.9	983.2	982.3	982.9
15°	972.4	973.0	973.7	972.1	972.1
17.5°	959.0	960.6	962.2	959.3	957.7
20°	941.2	945.0	948.8	944.3	940.5
22.5°	920.4	926.8	932.6	925.5	920.4
25°	897.2	905.2	911.8	903.6	896.6
27.5°	872.0	880.9	887.3	880.3	870.7
30°	844.6	855.5	861.2	854.5	843.3
32.5°	815.3	828.1	831.6	827.4	814.7
35°	785.0	799.1	800.7	797.8	785.0
37.5°	753.5	766.9	768.2	766.6	753.5
40°	720.4	732.8	733.1	733.1	720.4
42.5°	685.0	697.1	697.1	696.8	686.0
45°	647.4	659.2	660.1	659.5	648.4
47.5°	610.1	619.0	620.6	619.4	609.5
50°	568.4	577.6	579.5	578.3	570.6
52.5°	527.0	535.6	537.5	536.5	527.9
55°	483.6	491.9	493.2	492.2	483.6
57.5°	441.9	447.3	448.6	446.7	435.9
60°	393.2	400.8	403.0	400.8	390.6
62.5°	346.0	354.3	356.2	353.0	342.2
65°	298.2	306.5	308.7	306.2	294.4
67.5°	253.0	259.0	260.9	258.1	247.2
70°	206.5	214.1	213.8	210.0	200.4
72.5°	160.6	171.1	169.2	166.9	156.4
75°	123.9	128.7	127.4	126.2	117.6
77.5°	88.6	94.3	91.1	91.4	84.1
80°	59.6	65.0	61.8	60.5	56.7
82.5°	37.9	40.1	39.5	38.9	35.4
85°	19.8	21.0	20.4	19.8	18.5
87.5°	7.6	8.3	7.6	7.6	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)