

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: P413294

Luminaire Tested: **24PD-95-PC3-L930**

Issue Date: 9/15/2020



**Test Information**

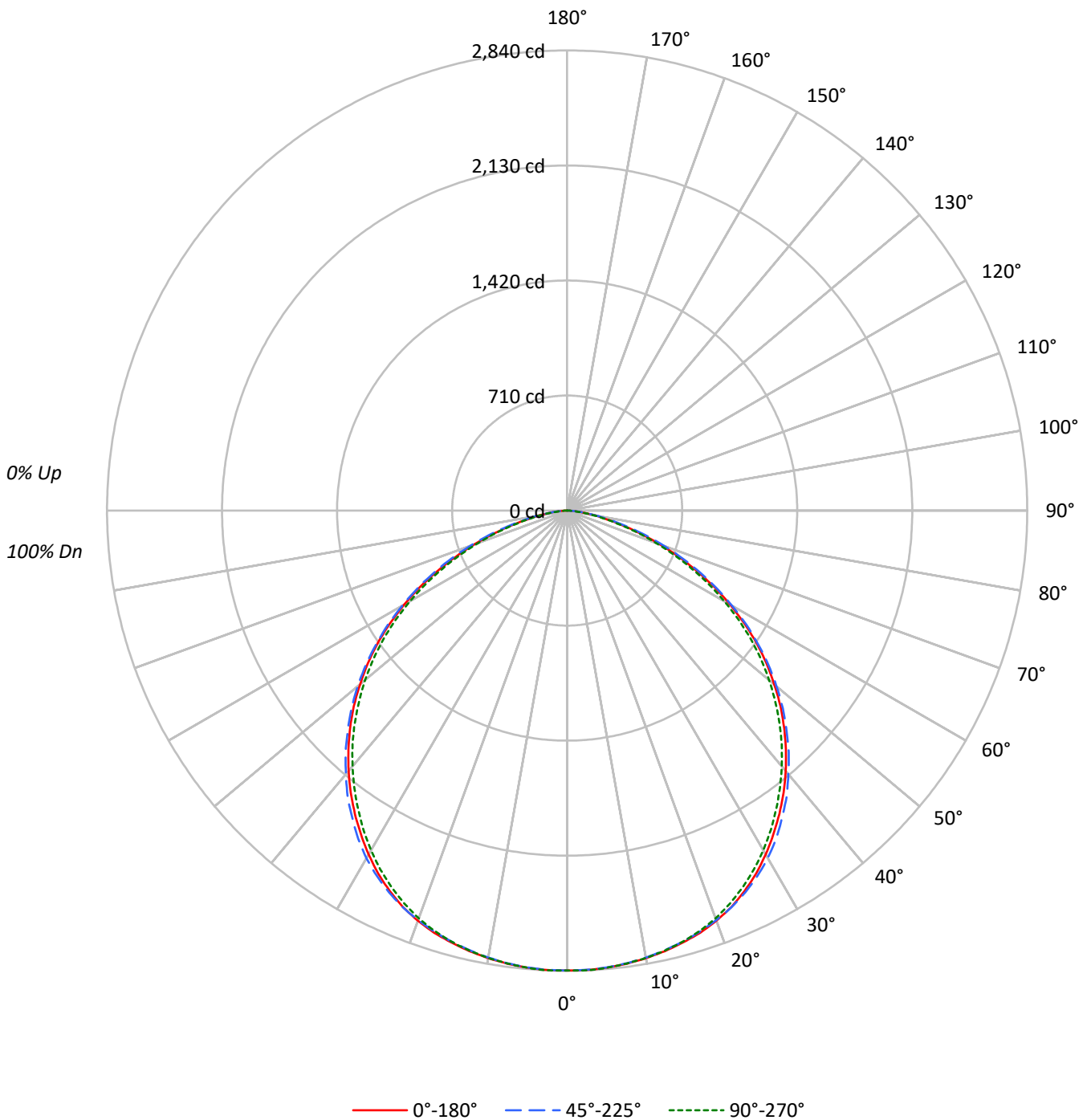
Test Method: LM-79-08  
Report Number: P413294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24PD-95-PC3-L930  
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7759.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 73  
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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

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

	0°	45°	90°
0°	3819	3819	3819
5°	3824	3822	3825
10°	3832	3827	3830
15°	3845	3837	3838
20°	3857	3852	3835
25°	3846	3861	3807
30°	3808	3848	3760
35°	3752	3800	3695
40°	3686	3730	3620
45°	3603	3642	3528
50°	3491	3531	3405
55°	3348	3377	3248
60°	3125	3161	3017
65°	2816	2886	2706
70°	2391	2496	2295
75°	1852	1987	1766
80°	1377	1438	1249
85°	849	911	789



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.3	3.5
10°-20°	778.5	10.0
20°-30°	1192.2	15.4
30°-40°	1434.2	18.5
40°-50°	1462.5	18.8
50°-60°	1267.9	16.3
60°-70°	879.0	11.3
70°-80°	401.5	5.2
80°-90°	74.1	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°	2239.9	28.9
0°-40°	3674.1	47.4
0°-60°	6404.4	82.5
0°-90°	7759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7759.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2832	2832	2830	2828	2832	269
15°	2760	2759	2754	2752	2755	780
25°	2591	2598	2600	2578	2564	1193
35°	2284	2309	2313	2284	2250	1428
45°	1894	1917	1914	1888	1854	1459
55°	1427	1436	1440	1404	1385	1272
65°	885	904	907	876	850	875
75°	356	376	382	370	340	390
85°	55	57	59	56	51	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2838.6	2838.6	2838.6	2838.6	2838.6
2.5°	2838.6	2838.6	2837.1	2835.5	2840.2
5°	2831.6	2831.6	2830.0	2828.4	2832.3
7.5°	2820.6	2819.8	2818.2	2816.6	2819.0
10°	2804.8	2804.0	2800.9	2800.1	2803.3
12.5°	2785.2	2784.4	2779.7	2779.7	2782.0
15°	2760.0	2759.2	2754.5	2752.1	2755.3
17.5°	2731.7	2730.9	2725.4	2719.1	2720.7
20°	2694.0	2694.0	2690.0	2680.6	2678.2
22.5°	2648.3	2650.7	2650.7	2632.6	2625.5
25°	2590.9	2598.0	2600.4	2577.6	2564.2
27.5°	2525.7	2536.7	2543.0	2513.9	2496.6
30°	2451.0	2469.1	2476.9	2445.5	2420.3
32.5°	2369.2	2392.0	2401.4	2370.8	2338.5
35°	2284.3	2308.7	2313.4	2283.5	2249.7
37.5°	2193.9	2219.0	2225.3	2198.6	2156.9
40°	2098.7	2123.9	2123.9	2101.9	2061.0
42.5°	1998.1	2024.8	2024.0	1997.3	1960.3
45°	1893.5	1917.1	1913.9	1888.0	1854.2
47.5°	1785.7	1800.7	1804.6	1774.0	1741.7
50°	1667.8	1682.7	1686.7	1652.1	1626.9
52.5°	1551.4	1560.9	1566.4	1526.3	1508.2
55°	1427.2	1435.8	1439.8	1404.4	1384.7
57.5°	1295.9	1306.9	1311.6	1276.2	1254.2
60°	1161.4	1173.2	1174.8	1141.7	1121.3
62.5°	1024.6	1040.3	1043.5	1010.4	986.1
65°	884.6	903.5	906.6	876.0	850.0
67.5°	744.7	769.8	770.6	745.4	714.8
70°	607.8	635.4	634.6	613.3	583.5
72.5°	477.3	502.5	508.0	488.3	459.2
75°	356.2	375.9	382.2	369.6	339.7
77.5°	253.2	271.3	276.8	265.0	243.0
80°	177.7	178.5	185.6	176.1	161.2
82.5°	110.1	108.5	110.9	106.9	98.3
85°	55.0	56.6	59.0	55.8	51.1
87.5°	18.9	19.7	21.2	21.2	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)