

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: P412610

Luminaire Tested: **24PD-95-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-95-PB1-L930
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

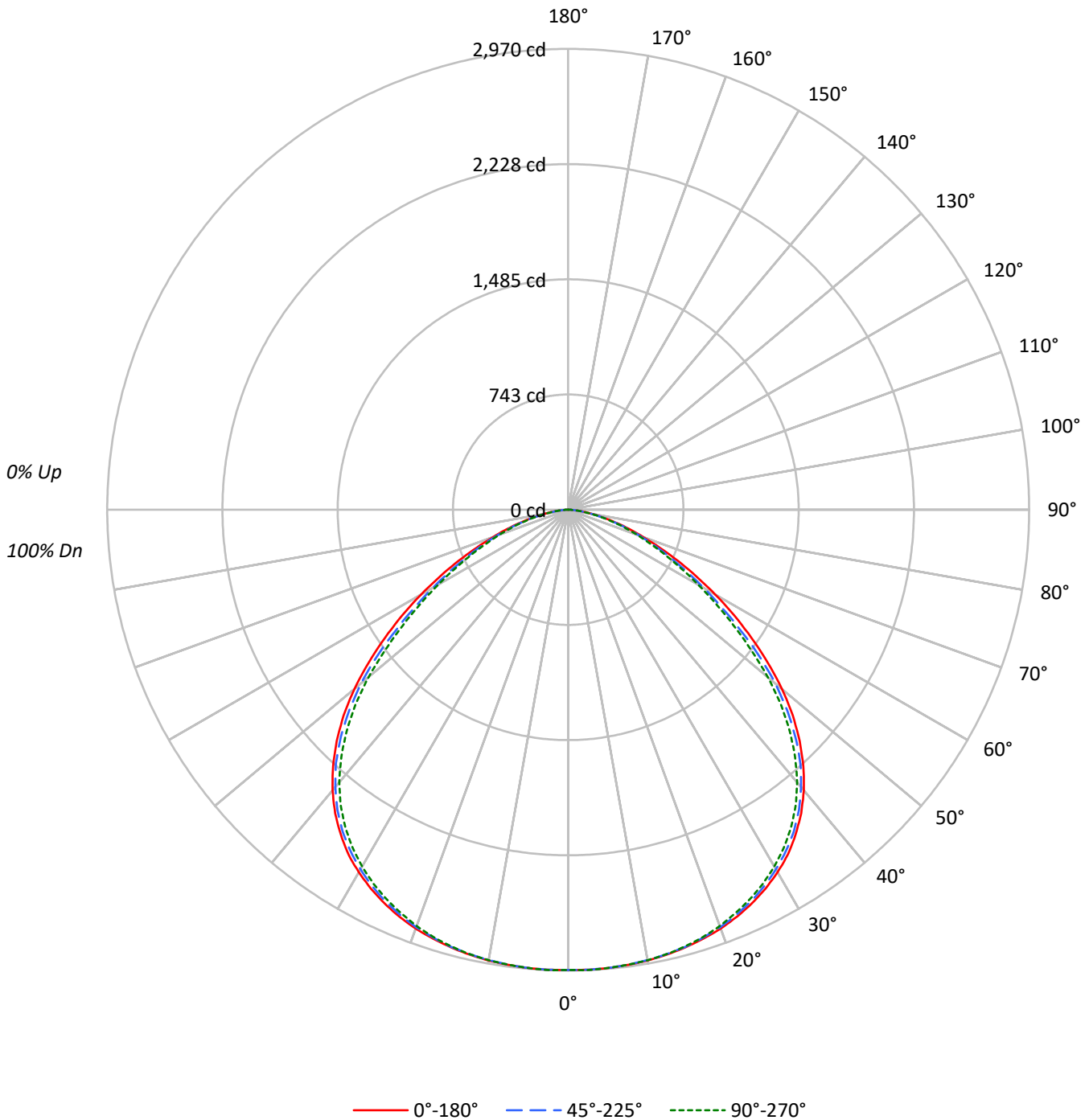
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7893.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3991	3991	3991
5°	4004	4004	4004
10°	4031	4027	4028
15°	4067	4062	4059
20°	4113	4100	4088
25°	4156	4135	4112
30°	4192	4158	4126
35°	4197	4161	4109
40°	4148	4100	4031
45°	4014	3940	3839
50°	3764	3647	3513
55°	3382	3181	3050
60°	2945	2710	2606
65°	2478	2293	2193
70°	2020	1917	1840
75°	1618	1561	1496
80°	1243	1145	1115
85°	777	752	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	3.6
10°-20°	824.3	10.4
20°-30°	1284.2	16.3
30°-40°	1579.8	20.0
40°-50°	1586.8	20.1
50°-60°	1223.0	15.5
60°-70°	726.1	9.2
70°-80°	323.3	4.1
80°-90°	63.1	0.8
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°	2390.9	30.3
0°-40°	3970.7	50.3
0°-60°	6780.6	85.9
0°-90°	7893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2966	2966	2966	2966	2966	
5°	2965	2966	2965	2962	2965	283
15°	2920	2920	2916	2911	2914	826
25°	2800	2799	2786	2773	2770	1291
35°	2555	2551	2533	2512	2502	1595
45°	2109	2104	2071	2036	2017	1619
55°	1442	1414	1356	1315	1300	1289
65°	778	744	720	693	689	778
75°	311	305	300	290	288	337
85°	50	48	49	46	49	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2966.3	2966.3	2966.3	2966.3	2966.3
2.5°	2967.9	2967.1	2967.1	2963.9	2970.2
5°	2964.7	2965.5	2964.7	2961.6	2964.7
7.5°	2958.4	2959.2	2957.6	2954.5	2957.6
10°	2950.6	2950.6	2947.4	2945.8	2948.2
12.5°	2937.2	2937.2	2934.1	2931.7	2934.1
15°	2919.9	2919.9	2916.0	2911.3	2913.6
17.5°	2898.7	2898.7	2892.4	2886.1	2887.7
20°	2872.7	2871.9	2863.3	2854.7	2855.4
22.5°	2839.7	2838.9	2827.9	2817.7	2814.6
25°	2799.6	2798.8	2785.5	2772.9	2769.7
27.5°	2753.2	2750.1	2735.2	2721.0	2717.9
30°	2698.2	2695.8	2676.2	2662.0	2655.7
32.5°	2634.5	2628.2	2610.1	2592.9	2584.2
35°	2555.1	2551.2	2533.1	2511.9	2501.7
37.5°	2465.5	2461.6	2441.9	2418.3	2406.5
40°	2361.7	2358.6	2334.2	2309.8	2294.9
42.5°	2242.2	2239.9	2213.9	2180.1	2164.4
45°	2109.3	2103.8	2070.8	2036.2	2017.4
47.5°	1961.5	1952.1	1912.0	1879.0	1858.6
50°	1798.0	1785.4	1742.2	1699.7	1678.5
52.5°	1621.1	1599.1	1554.3	1505.6	1485.1
55°	1441.9	1414.4	1356.2	1315.3	1300.4
57.5°	1266.6	1226.5	1171.4	1142.3	1127.4
60°	1094.4	1050.3	1007.1	978.8	968.6
62.5°	930.1	893.1	856.2	827.9	821.6
65°	778.3	744.5	720.1	692.6	688.7
67.5°	636.8	621.1	599.1	575.5	572.3
70°	513.4	507.1	487.4	473.3	467.8
72.5°	409.6	403.3	389.2	378.9	377.4
75°	311.3	305.0	300.3	290.1	287.7
77.5°	221.7	222.5	218.6	213.1	214.6
80°	160.4	150.9	147.8	144.7	143.9
82.5°	98.3	92.8	90.4	89.6	91.2
85°	50.3	48.0	48.7	46.4	48.7
87.5°	17.3	17.3	18.1	17.3	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)