

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: P412953

Luminaire Tested: **24PD-95-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-95-PP3-L935
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

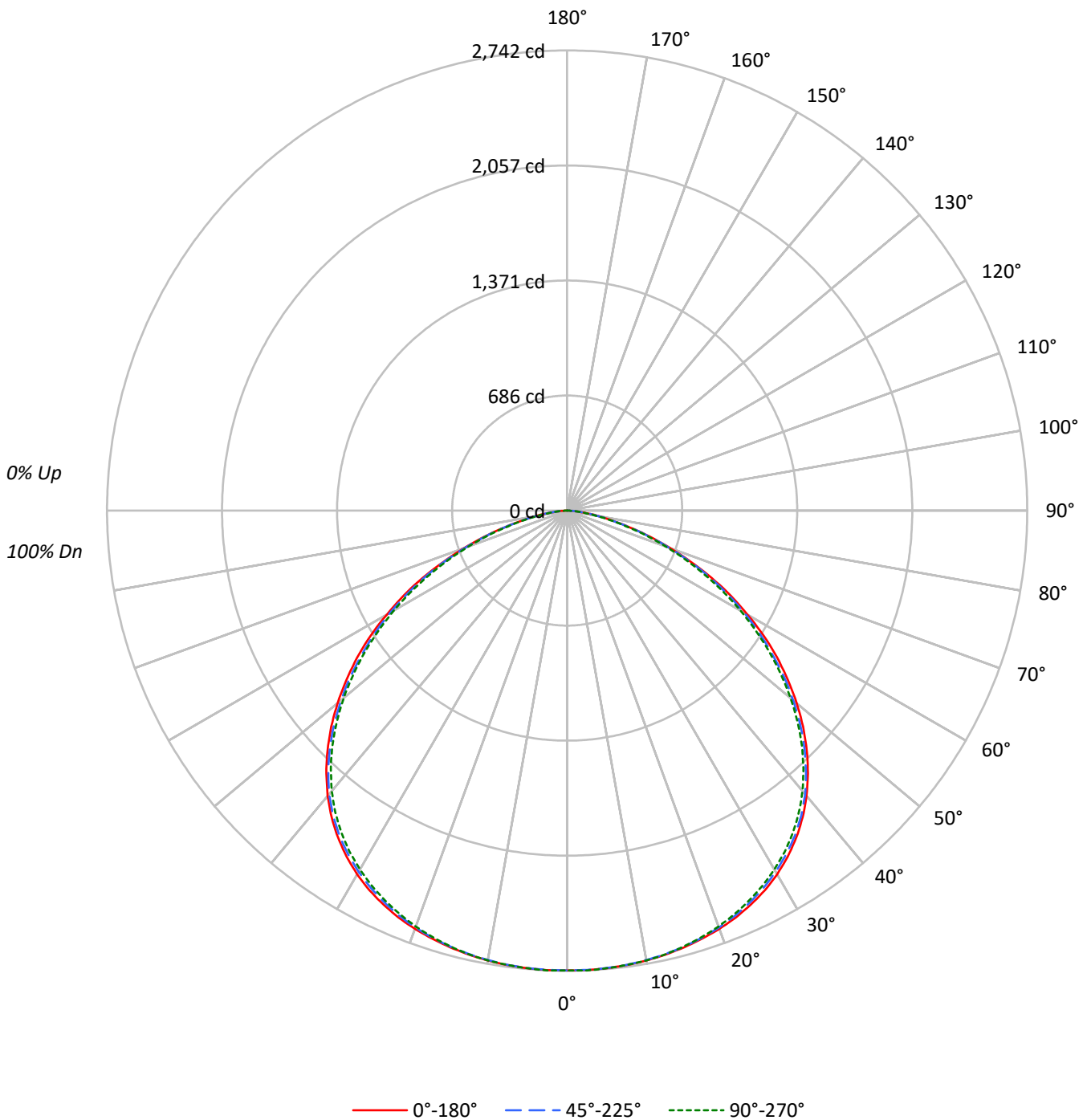
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7973.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
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°	3687	3687	3687
5°	3697	3695	3698
10°	3720	3715	3719
15°	3752	3747	3745
20°	3798	3785	3776
25°	3846	3825	3808
30°	3888	3861	3836
35°	3909	3886	3850
40°	3899	3875	3832
45°	3843	3805	3763
50°	3738	3678	3639
55°	3583	3497	3452
60°	3338	3281	3214
65°	3026	2965	2879
70°	2583	2536	2454
75°	2017	1996	1901
80°	1488	1426	1346
85°	898	898	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	3.3
10°-20°	760.7	9.5
20°-30°	1189.0	14.9
30°-40°	1477.7	18.5
40°-50°	1539.7	19.3
50°-60°	1336.0	16.8
60°-70°	918.7	11.5
70°-80°	414.6	5.2
80°-90°	76.0	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°	2210.4	27.7
0°-40°	3688.1	46.3
0°-60°	6563.8	82.3
0°-90°	7973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2740	2740	2740	2740	2740	
5°	2737	2738	2736	2734	2738	261
15°	2694	2694	2690	2688	2688	762
25°	2590	2590	2577	2566	2565	1195
35°	2380	2380	2366	2352	2344	1487
45°	2020	2021	2000	1985	1978	1555
55°	1527	1519	1491	1473	1472	1361
65°	950	947	931	909	904	938
75°	388	390	384	374	366	422
85°	58	57	58	57	54	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2740.1	2740.1	2740.1	2740.1	2740.1
2.5°	2740.9	2740.9	2739.3	2736.9	2742.5
5°	2736.9	2737.7	2736.1	2733.7	2737.7
7.5°	2731.3	2732.1	2729.7	2727.3	2730.5
10°	2722.6	2721.8	2719.4	2717.8	2721.8
12.5°	2709.8	2709.0	2706.6	2705.0	2708.2
15°	2693.9	2693.9	2689.9	2687.5	2688.3
17.5°	2674.8	2674.8	2669.2	2663.6	2665.2
20°	2652.4	2651.6	2643.7	2638.1	2637.3
22.5°	2624.6	2624.6	2613.4	2606.2	2603.8
25°	2590.3	2589.5	2576.8	2566.4	2564.8
27.5°	2551.3	2549.7	2534.5	2524.2	2520.2
30°	2502.7	2501.1	2485.1	2474.0	2469.2
32.5°	2445.3	2447.7	2429.3	2416.6	2411.8
35°	2379.9	2379.9	2365.6	2352.1	2344.1
37.5°	2305.1	2305.1	2291.5	2278.0	2268.4
40°	2219.8	2220.6	2206.3	2189.5	2181.6
42.5°	2124.2	2125.8	2106.7	2093.1	2084.3
45°	2019.8	2020.6	1999.9	1984.8	1977.6
47.5°	1906.7	1905.1	1882.0	1869.2	1862.0
50°	1785.6	1782.4	1756.9	1744.9	1738.5
52.5°	1658.9	1652.5	1630.2	1612.7	1607.1
55°	1527.4	1518.6	1490.8	1473.2	1471.6
57.5°	1390.4	1380.0	1356.9	1340.2	1333.8
60°	1240.6	1238.2	1219.1	1199.1	1194.4
62.5°	1100.3	1093.2	1076.4	1052.5	1050.1
65°	950.5	946.6	931.4	909.1	904.3
67.5°	796.0	800.0	787.2	767.3	760.9
70°	656.5	658.9	644.6	626.3	623.9
72.5°	516.3	520.3	508.3	496.4	494.0
75°	388.0	389.6	384.0	373.7	365.7
77.5°	275.7	281.3	274.9	267.7	261.3
80°	192.0	183.3	184.1	180.9	173.7
82.5°	115.5	111.5	110.8	107.6	104.4
85°	58.2	57.4	58.2	57.4	54.2
87.5°	19.1	20.7	21.5	21.5	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)