

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: P412954

Luminaire Tested: **24PD-95-PP3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412954
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-L940
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

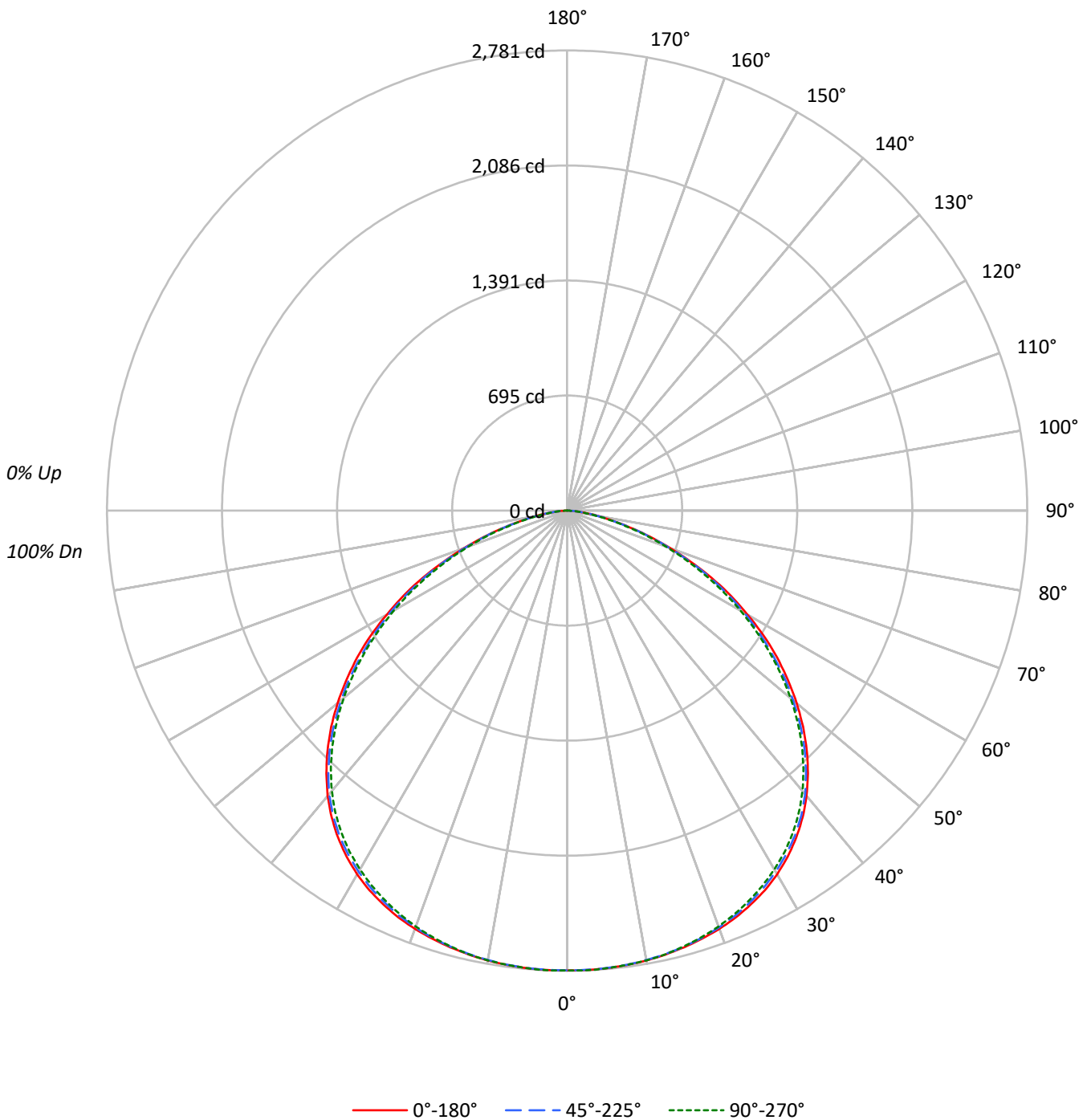
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8086.0 lumens
Efficiency: N/A
Efficacy: 110.8 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°	3739	3739	3739
5°	3749	3748	3750
10°	3772	3768	3771
15°	3806	3800	3798
20°	3852	3839	3830
25°	3900	3880	3862
30°	3943	3916	3891
35°	3965	3941	3905
40°	3954	3930	3886
45°	3898	3859	3816
50°	3791	3730	3691
55°	3634	3547	3501
60°	3386	3327	3260
65°	3069	3007	2920
70°	2619	2572	2489
75°	2046	2025	1928
80°	1509	1447	1365
85°	911	911	848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.4	3.3
10°-20°	771.5	9.5
20°-30°	1205.9	14.9
30°-40°	1498.7	18.5
40°-50°	1561.5	19.3
50°-60°	1355.0	16.8
60°-70°	931.7	11.5
70°-80°	420.4	5.2
80°-90°	77.0	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°	2241.7	27.7
0°-40°	3740.4	46.3
0°-60°	6656.8	82.3
0°-90°	8086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2779	2779	2779	2779	2779	
5°	2776	2776	2775	2772	2776	265
15°	2732	2732	2728	2726	2726	773
25°	2627	2626	2613	2603	2601	1212
35°	2414	2414	2399	2385	2377	1508
45°	2048	2049	2028	2013	2006	1577
55°	1549	1540	1512	1494	1492	1381
65°	964	960	945	922	917	951
75°	394	395	390	379	371	428
85°	59	58	59	58	55	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.9	2778.9	2778.9	2778.9	2778.9
2.5°	2779.7	2779.7	2778.1	2775.7	2781.3
5°	2775.7	2776.5	2774.9	2772.5	2776.5
7.5°	2770.0	2770.8	2768.4	2766.0	2769.2
10°	2761.1	2760.3	2757.9	2756.3	2760.3
12.5°	2748.2	2747.4	2745.0	2743.4	2746.6
15°	2732.1	2732.1	2728.0	2725.6	2726.4
17.5°	2712.7	2712.7	2707.0	2701.3	2703.0
20°	2690.0	2689.2	2681.1	2675.5	2674.7
22.5°	2661.8	2661.8	2650.4	2643.2	2640.7
25°	2627.0	2626.2	2613.3	2602.8	2601.1
27.5°	2587.4	2585.8	2570.4	2559.9	2555.9
30°	2538.1	2536.5	2520.3	2509.0	2504.2
32.5°	2479.9	2482.4	2463.8	2450.8	2446.0
35°	2413.7	2413.7	2399.1	2385.4	2377.3
37.5°	2337.7	2337.7	2324.0	2310.2	2300.6
40°	2251.3	2252.1	2237.5	2220.6	2212.5
42.5°	2154.3	2155.9	2136.5	2122.8	2113.9
45°	2048.4	2049.2	2028.2	2012.9	2005.6
47.5°	1933.7	1932.1	1908.6	1895.7	1888.4
50°	1810.9	1807.6	1781.8	1769.7	1763.2
52.5°	1682.4	1675.9	1653.3	1635.5	1629.9
55°	1549.1	1540.2	1511.9	1494.1	1492.5
57.5°	1410.1	1399.6	1376.1	1359.2	1352.7
60°	1258.2	1255.7	1236.3	1216.1	1211.3
62.5°	1115.9	1108.7	1091.7	1067.4	1065.0
65°	964.0	960.0	944.6	922.0	917.1
67.5°	807.3	811.3	798.4	778.2	771.7
70°	665.8	668.3	653.7	635.1	632.7
72.5°	523.6	527.7	515.5	503.4	501.0
75°	393.5	395.1	389.5	379.0	370.9
77.5°	279.6	285.2	278.8	271.5	265.0
80°	194.7	185.9	186.7	183.4	176.2
82.5°	117.2	113.1	112.3	109.1	105.9
85°	59.0	58.2	59.0	58.2	54.9
87.5°	19.4	21.0	21.8	21.8	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)