

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: P412952

Luminaire Tested: **24PD-95-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412952
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-L930
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

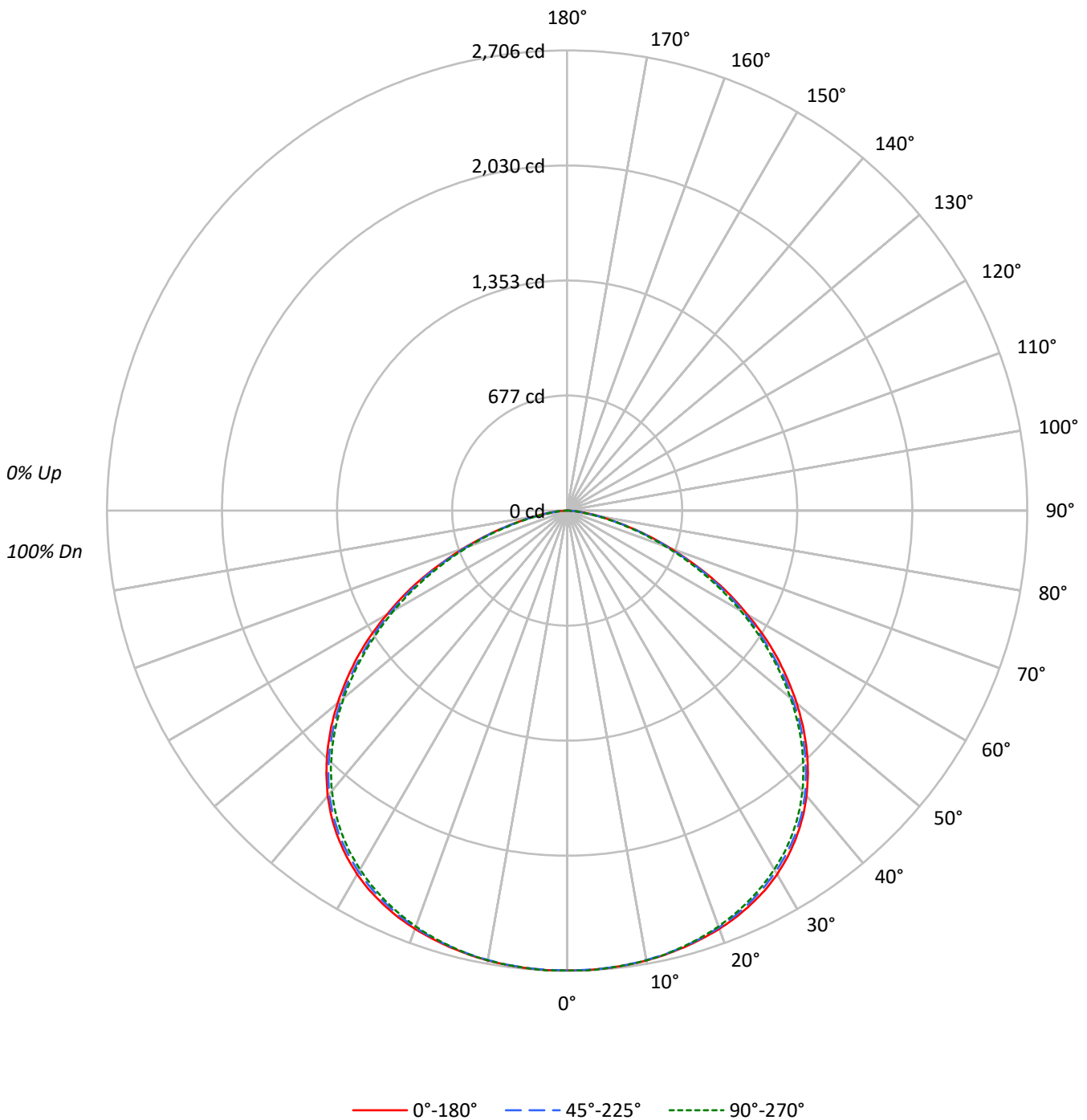
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7868.0 lumens
Efficiency: N/A
Efficacy: 107.8 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°	3638	3638	3638
5°	3648	3647	3649
10°	3671	3666	3670
15°	3703	3698	3695
20°	3748	3736	3727
25°	3795	3775	3757
30°	3837	3810	3786
35°	3858	3835	3800
40°	3848	3824	3781
45°	3793	3755	3713
50°	3688	3629	3591
55°	3536	3451	3407
60°	3294	3237	3172
65°	2986	2926	2841
70°	2549	2502	2422
75°	1991	1970	1876
80°	1468	1407	1328
85°	886	886	826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	3.3
10°-20°	750.7	9.5
20°-30°	1173.4	14.9
30°-40°	1458.3	18.5
40°-50°	1519.4	19.3
50°-60°	1318.4	16.8
60°-70°	906.6	11.5
70°-80°	409.1	5.2
80°-90°	75.0	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°	2181.3	27.7
0°-40°	3639.6	46.3
0°-60°	6477.3	82.3
0°-90°	7868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2704	2704	2704	2704	2704	
5°	2701	2702	2700	2698	2702	257
15°	2658	2658	2654	2652	2653	752
25°	2556	2555	2543	2533	2531	1179
35°	2349	2349	2334	2321	2313	1468
45°	1993	1994	1974	1959	1952	1534
55°	1507	1499	1471	1454	1452	1343
65°	938	934	919	897	892	926
75°	383	384	379	369	361	417
85°	57	57	57	57	54	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2704.0	2704.0	2704.0	2704.0	2704.0
2.5°	2704.8	2704.8	2703.2	2700.9	2706.4
5°	2700.9	2701.6	2700.1	2697.7	2701.6
7.5°	2695.4	2696.1	2693.8	2691.4	2694.6
10°	2686.7	2685.9	2683.6	2682.0	2685.9
12.5°	2674.1	2673.3	2671.0	2669.4	2672.6
15°	2658.4	2658.4	2654.5	2652.1	2652.9
17.5°	2639.5	2639.5	2634.0	2628.5	2630.1
20°	2617.5	2616.7	2608.9	2603.4	2602.6
22.5°	2590.0	2590.0	2579.0	2571.9	2569.5
25°	2556.2	2555.4	2542.8	2532.6	2531.0
27.5°	2517.7	2516.1	2501.1	2490.9	2487.0
30°	2469.7	2468.1	2452.4	2441.4	2436.7
32.5°	2413.1	2415.4	2397.4	2384.8	2380.1
35°	2348.6	2348.6	2334.5	2321.1	2313.2
37.5°	2274.7	2274.7	2261.3	2248.0	2238.5
40°	2190.6	2191.4	2177.2	2160.7	2152.8
42.5°	2096.2	2097.8	2078.9	2065.5	2056.9
45°	1993.2	1994.0	1973.6	1958.6	1951.5
47.5°	1881.6	1880.0	1857.2	1844.6	1837.5
50°	1762.0	1758.9	1733.7	1721.9	1715.7
52.5°	1637.0	1630.7	1608.7	1591.4	1585.9
55°	1507.3	1498.6	1471.1	1453.8	1452.3
57.5°	1372.1	1361.8	1339.0	1322.5	1316.2
60°	1224.2	1221.9	1203.0	1183.3	1178.6
62.5°	1085.8	1078.8	1062.3	1038.7	1036.3
65°	938.0	934.1	919.2	897.1	892.4
67.5°	785.5	789.4	776.8	757.2	750.9
70°	647.9	650.3	636.1	618.0	615.7
72.5°	509.5	513.4	501.6	489.8	487.5
75°	382.9	384.5	379.0	368.8	360.9
77.5°	272.1	277.6	271.3	264.2	257.9
80°	189.5	180.8	181.6	178.5	171.4
82.5°	114.0	110.1	109.3	106.1	103.0
85°	57.4	56.6	57.4	56.6	53.5
87.5°	18.9	20.4	21.2	21.2	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)