

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: P412951

Luminaire Tested: **24PD-95-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412951
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-L927
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

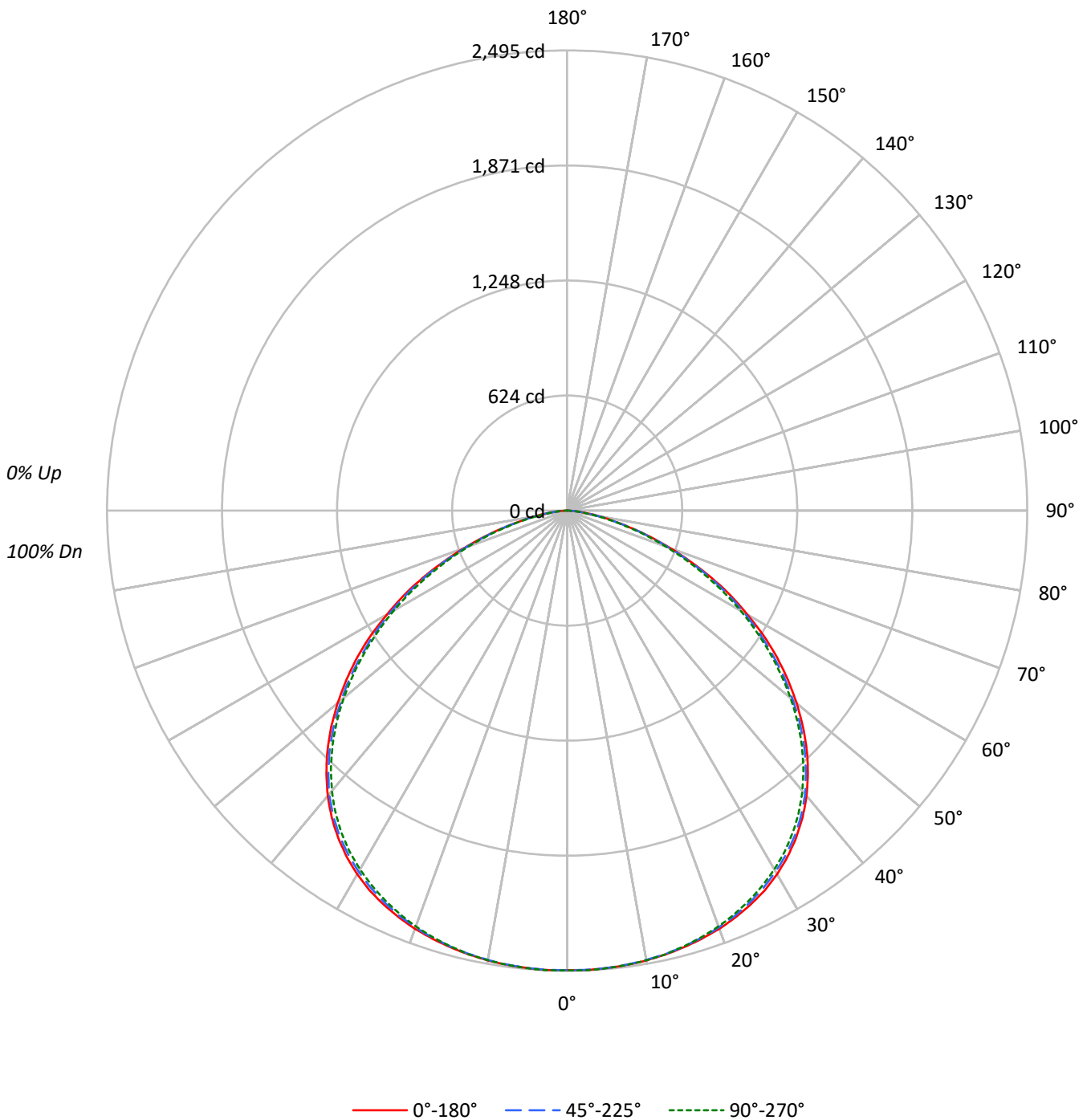
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7253.0 lumens
Efficiency: N/A
Efficacy: 99.4 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°	3354	3354	3354
5°	3363	3362	3364
10°	3384	3380	3383
15°	3414	3409	3406
20°	3455	3443	3435
25°	3498	3480	3464
30°	3537	3512	3490
35°	3556	3535	3503
40°	3547	3525	3486
45°	3496	3462	3423
50°	3400	3345	3311
55°	3259	3181	3140
60°	3037	2984	2924
65°	2753	2698	2619
70°	2349	2307	2233
75°	1835	1816	1730
80°	1354	1297	1224
85°	817	817	761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	3.3
10°-20°	692.0	9.5
20°-30°	1081.6	14.9
30°-40°	1344.3	18.5
40°-50°	1400.6	19.3
50°-60°	1215.4	16.8
60°-70°	835.7	11.5
70°-80°	377.1	5.2
80°-90°	69.1	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°	2010.8	27.7
0°-40°	3355.1	46.3
0°-60°	5971.1	82.3
0°-90°	7253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7253.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2493	2493	2493	2493	2493	
5°	2490	2490	2489	2487	2490	237
15°	2451	2451	2447	2445	2446	693
25°	2356	2356	2344	2335	2333	1087
35°	2165	2165	2152	2140	2132	1353
45°	1837	1838	1819	1806	1799	1414
55°	1390	1382	1356	1340	1339	1238
65°	865	861	847	827	823	853
75°	353	354	349	340	333	384
85°	53	52	53	52	49	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2492.6	2492.6	2492.6	2492.6	2492.6
2.5°	2493.4	2493.4	2491.9	2489.7	2494.8
5°	2489.7	2490.5	2489.0	2486.8	2490.5
7.5°	2484.7	2485.4	2483.2	2481.0	2483.9
10°	2476.7	2476.0	2473.8	2472.3	2476.0
12.5°	2465.1	2464.4	2462.2	2460.8	2463.7
15°	2450.6	2450.6	2447.0	2444.8	2445.5
17.5°	2433.2	2433.2	2428.1	2423.1	2424.5
20°	2412.9	2412.2	2404.9	2399.9	2399.1
22.5°	2387.5	2387.5	2377.4	2370.9	2368.7
25°	2356.4	2355.7	2344.1	2334.6	2333.2
27.5°	2320.9	2319.4	2305.6	2296.2	2292.6
30°	2276.6	2275.2	2260.7	2250.6	2246.2
32.5°	2224.5	2226.6	2210.0	2198.4	2194.0
35°	2165.0	2165.0	2152.0	2139.7	2132.4
37.5°	2096.9	2096.9	2084.6	2072.3	2063.6
40°	2019.3	2020.1	2007.0	1991.8	1984.5
42.5°	1932.4	1933.8	1916.4	1904.1	1896.1
45°	1837.4	1838.1	1819.3	1805.5	1799.0
47.5°	1734.5	1733.0	1712.0	1700.4	1693.9
50°	1624.3	1621.4	1598.2	1587.3	1581.6
52.5°	1509.1	1503.3	1483.0	1467.0	1462.0
55°	1389.5	1381.5	1356.1	1340.2	1338.7
57.5°	1264.8	1255.4	1234.4	1219.1	1213.3
60°	1128.5	1126.4	1109.0	1090.8	1086.5
62.5°	1001.0	994.4	979.2	957.5	955.3
65°	864.7	861.1	847.3	827.0	822.7
67.5°	724.1	727.7	716.1	698.0	692.2
70°	597.2	599.4	586.4	569.7	567.5
72.5°	469.7	473.3	462.4	451.6	449.4
75°	353.0	354.4	349.4	339.9	332.7
77.5°	250.8	255.9	250.1	243.5	237.7
80°	174.7	166.7	167.4	164.5	158.0
82.5°	105.1	101.5	100.7	97.9	95.0
85°	52.9	52.2	52.9	52.2	49.3
87.5°	17.4	18.8	19.6	19.6	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)