

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: P412955

Luminaire Tested: **24PD-95-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412955
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-L950
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

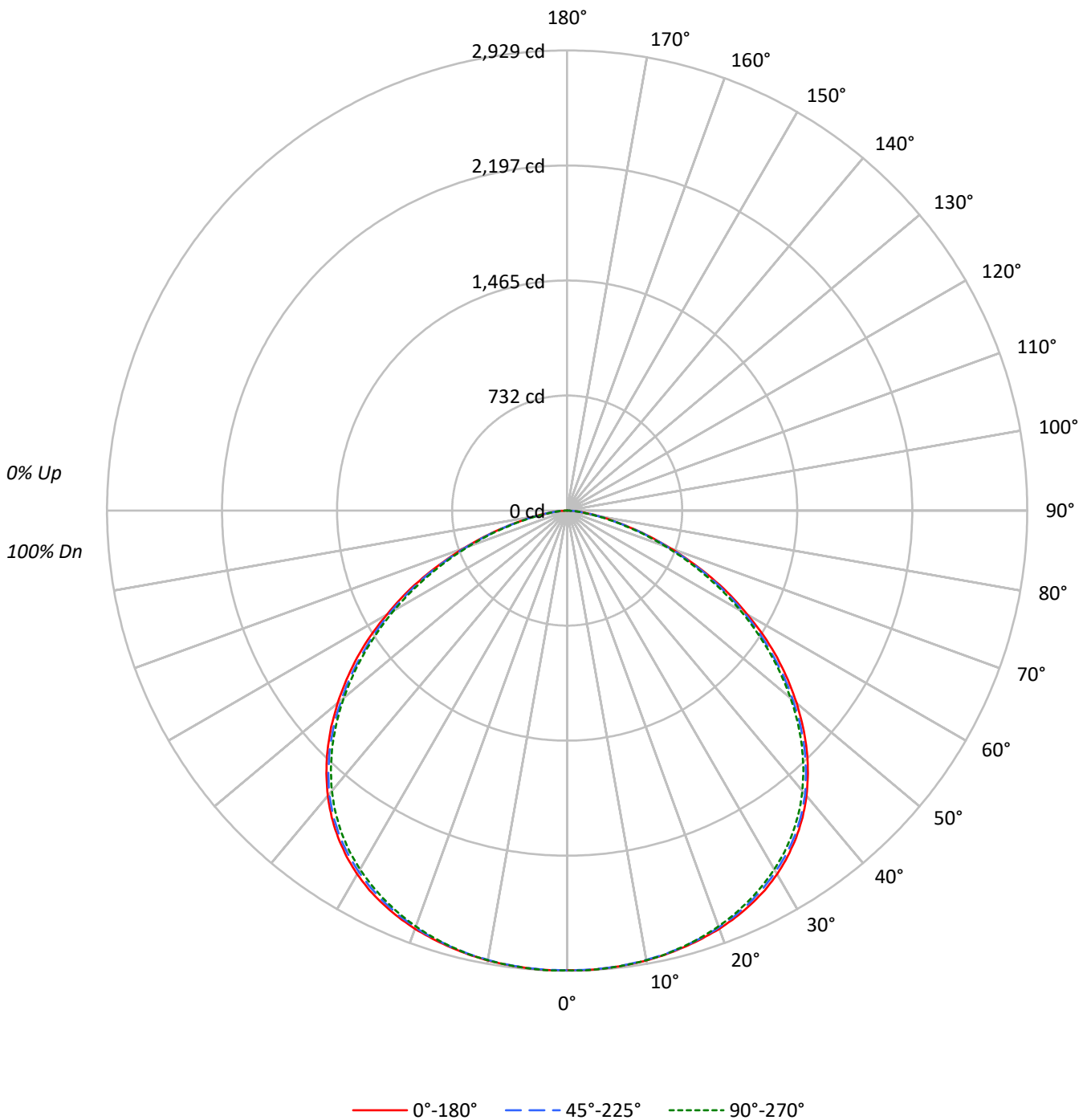
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8515.0 lumens
Efficiency: N/A
Efficacy: 116.6 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°	3937	3937	3937
5°	3948	3947	3949
10°	3972	3968	3971
15°	4008	4002	3999
20°	4056	4043	4033
25°	4107	4085	4067
30°	4153	4124	4097
35°	4175	4150	4112
40°	4164	4138	4092
45°	4105	4064	4019
50°	3992	3927	3886
55°	3826	3735	3687
60°	3565	3503	3432
65°	3232	3167	3075
70°	2758	2708	2621
75°	2154	2132	2031
80°	1589	1523	1437
85°	959	959	894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	3.3
10°-20°	812.4	9.5
20°-30°	1269.8	14.9
30°-40°	1578.2	18.5
40°-50°	1644.3	19.3
50°-60°	1426.8	16.8
60°-70°	981.1	11.5
70°-80°	442.8	5.2
80°-90°	81.1	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°	2360.7	27.7
0°-40°	3938.8	46.3
0°-60°	7010.0	82.3
0°-90°	8515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2926	2926	2926	2926	2926	
5°	2923	2924	2922	2920	2924	279
15°	2877	2877	2873	2870	2871	814
25°	2766	2766	2752	2741	2739	1276
35°	2542	2542	2526	2512	2503	1588
45°	2157	2158	2136	2120	2112	1660
55°	1631	1622	1592	1573	1572	1454
65°	1015	1011	995	971	966	1002
75°	414	416	410	399	391	451
85°	62	61	62	61	58	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2926.4	2926.4	2926.4	2926.4	2926.4
2.5°	2927.2	2927.2	2925.5	2923.0	2928.9
5°	2923.0	2923.8	2922.1	2919.5	2923.8
7.5°	2917.0	2917.8	2915.3	2912.7	2916.1
10°	2907.6	2906.8	2904.2	2902.5	2906.8
12.5°	2894.0	2893.2	2890.6	2888.9	2892.3
15°	2877.0	2877.0	2872.7	2870.2	2871.0
17.5°	2856.6	2856.6	2850.6	2844.7	2846.4
20°	2832.8	2831.9	2823.4	2817.4	2816.6
22.5°	2803.0	2803.0	2791.1	2783.4	2780.8
25°	2766.4	2765.5	2751.9	2740.9	2739.2
27.5°	2724.7	2723.0	2706.8	2695.8	2691.5
30°	2672.8	2671.1	2654.1	2642.1	2637.0
32.5°	2611.5	2614.1	2594.5	2580.9	2575.8
35°	2541.7	2541.7	2526.4	2512.0	2503.4
37.5°	2461.7	2461.7	2447.3	2432.8	2422.6
40°	2370.7	2371.5	2356.2	2338.4	2329.9
42.5°	2268.6	2270.3	2249.9	2235.4	2226.0
45°	2157.1	2158.0	2135.8	2119.7	2112.0
47.5°	2036.3	2034.6	2009.9	1996.3	1988.6
50°	1906.9	1903.5	1876.3	1863.5	1856.7
52.5°	1771.6	1764.8	1741.0	1722.3	1716.3
55°	1631.2	1621.9	1592.1	1573.4	1571.7
57.5°	1484.9	1473.8	1449.1	1431.3	1424.5
60°	1324.9	1322.3	1301.9	1280.7	1275.5
62.5°	1175.1	1167.5	1149.6	1124.1	1121.5
65°	1015.2	1010.9	994.7	970.9	965.8
67.5°	850.1	854.3	840.7	819.4	812.6
70°	701.2	703.7	688.4	668.8	666.3
72.5°	551.4	555.7	542.9	530.1	527.6
75°	414.4	416.1	410.1	399.1	390.6
77.5°	294.4	300.4	293.6	285.9	279.1
80°	205.1	195.7	196.6	193.2	185.5
82.5°	123.4	119.1	118.3	114.9	111.5
85°	62.1	61.3	62.1	61.3	57.9
87.5°	20.4	22.1	23.0	23.0	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)