

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: P412613

Luminaire Tested: **24PD-95-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-95-PB1-L950
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

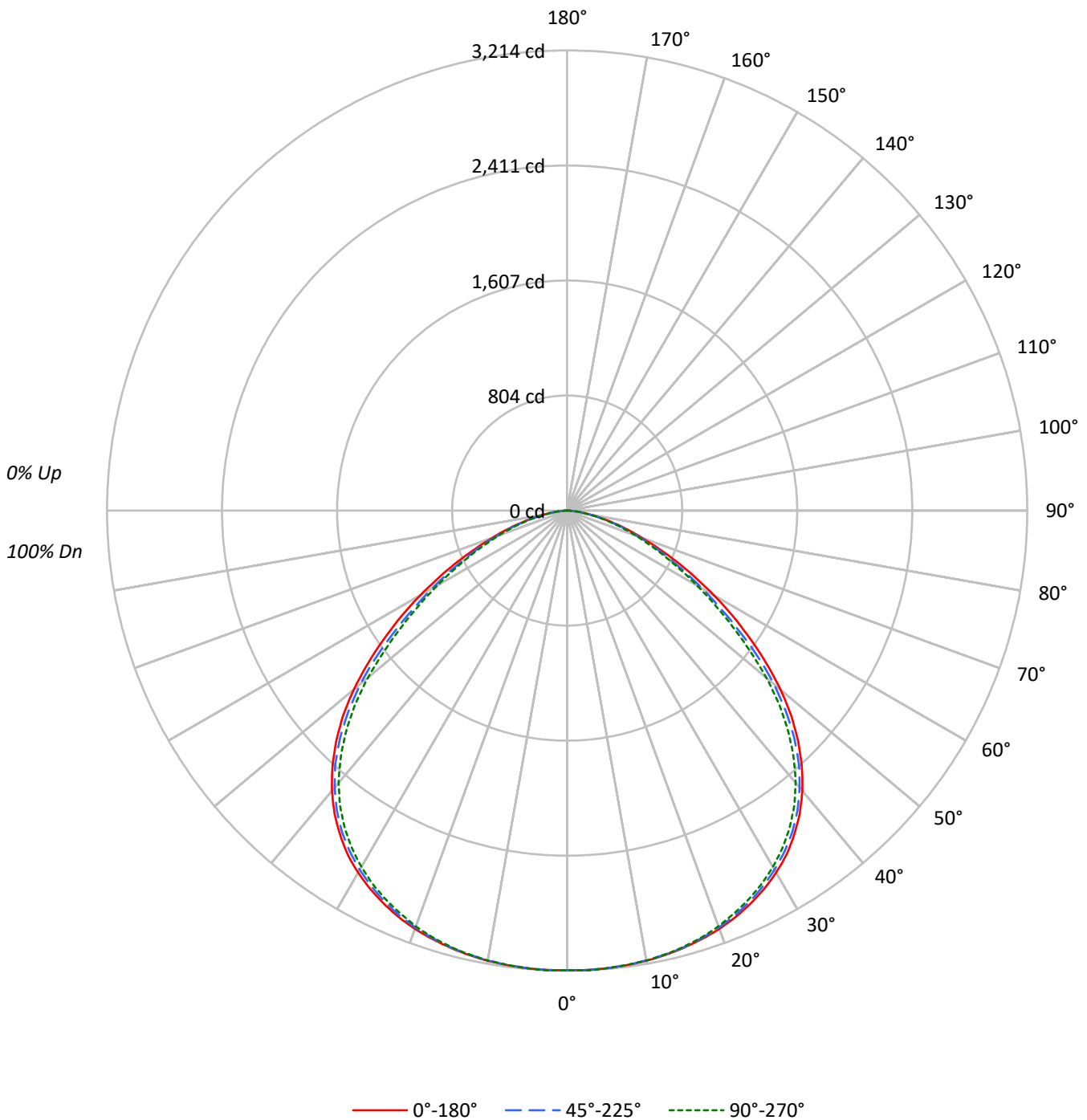
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8542.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
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

TEST NUMBER: P412613
CATALOG NUMBER: 24PD-95-PB1-L950

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4319	4319	4319
5°	4333	4333	4333
10°	4363	4358	4359
15°	4402	4396	4392
20°	4451	4437	4425
25°	4498	4475	4450
30°	4537	4500	4465
35°	4542	4503	4447
40°	4489	4437	4362
45°	4344	4264	4154
50°	4073	3947	3802
55°	3660	3443	3301
60°	3187	2933	2821
65°	2682	2481	2373
70°	2186	2075	1991
75°	1751	1690	1619
80°	1345	1240	1206
85°	841	815	815



TEST NUMBER: P412613

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.6	3.6
10°-20°	892.1	10.4
20°-30°	1389.8	16.3
30°-40°	1709.7	20.0
40°-50°	1717.3	20.1
50°-60°	1323.6	15.5
60°-70°	785.8	9.2
70°-80°	349.8	4.1
80°-90°	68.3	0.8
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°	2587.5	30.3
0°-40°	4297.2	50.3
0°-60°	7338.1	85.9
0°-90°	8542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3210	3210	3210	3210	3210	
5°	3208	3209	3208	3205	3208	306
15°	3160	3160	3156	3151	3153	894
25°	3030	3029	3014	3001	2998	1397
35°	2765	2761	2741	2718	2707	1727
45°	2283	2277	2241	2204	2183	1752
55°	1560	1531	1468	1423	1407	1395
65°	842	806	779	750	745	842
75°	337	330	325	314	311	365
85°	54	52	53	50	53	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3210.2	3210.2	3210.2	3210.2	3210.2
2.5°	3211.9	3211.0	3211.0	3207.6	3214.4
5°	3208.5	3209.3	3208.5	3205.1	3208.5
7.5°	3201.7	3202.5	3200.8	3197.4	3200.8
10°	3193.2	3193.2	3189.8	3188.1	3190.6
12.5°	3178.7	3178.7	3175.3	3172.8	3175.3
15°	3160.0	3160.0	3155.7	3150.6	3153.2
17.5°	3137.0	3137.0	3130.2	3123.4	3125.1
20°	3108.9	3108.1	3098.7	3089.4	3090.2
22.5°	3073.2	3072.4	3060.4	3049.4	3046.0
25°	3029.8	3029.0	3014.5	3000.9	2997.5
27.5°	2979.6	2976.2	2960.0	2944.7	2941.3
30°	2920.1	2917.5	2896.2	2880.9	2874.1
32.5°	2851.1	2844.3	2824.8	2806.0	2796.7
35°	2765.2	2761.0	2741.4	2718.4	2707.4
37.5°	2668.2	2664.0	2642.7	2617.2	2604.4
40°	2555.9	2552.5	2526.1	2499.7	2483.6
42.5°	2426.6	2424.0	2395.9	2359.4	2342.3
45°	2282.8	2276.8	2241.1	2203.7	2183.2
47.5°	2122.8	2112.6	2069.2	2033.5	2011.4
50°	1945.9	1932.2	1885.4	1839.5	1816.5
52.5°	1754.4	1730.6	1682.1	1629.3	1607.2
55°	1560.4	1530.6	1467.7	1423.4	1407.3
57.5°	1370.7	1327.3	1267.7	1236.3	1220.1
60°	1184.4	1136.7	1089.9	1059.3	1048.2
62.5°	1006.5	966.5	926.6	895.9	889.1
65°	842.3	805.7	779.4	749.6	745.3
67.5°	689.2	672.2	648.3	622.8	619.4
70°	555.6	548.8	527.5	512.2	506.2
72.5°	443.3	436.5	421.2	410.1	408.4
75°	336.9	330.1	325.0	314.0	311.4
77.5°	239.9	240.8	236.5	230.6	232.3
80°	173.6	163.4	160.0	156.6	155.7
82.5°	106.4	100.4	97.8	97.0	98.7
85°	54.5	51.9	52.8	50.2	52.8
87.5°	18.7	18.7	19.6	18.7	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)