

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: P412606

Luminaire Tested: **24PD-95-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412606
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-L835
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

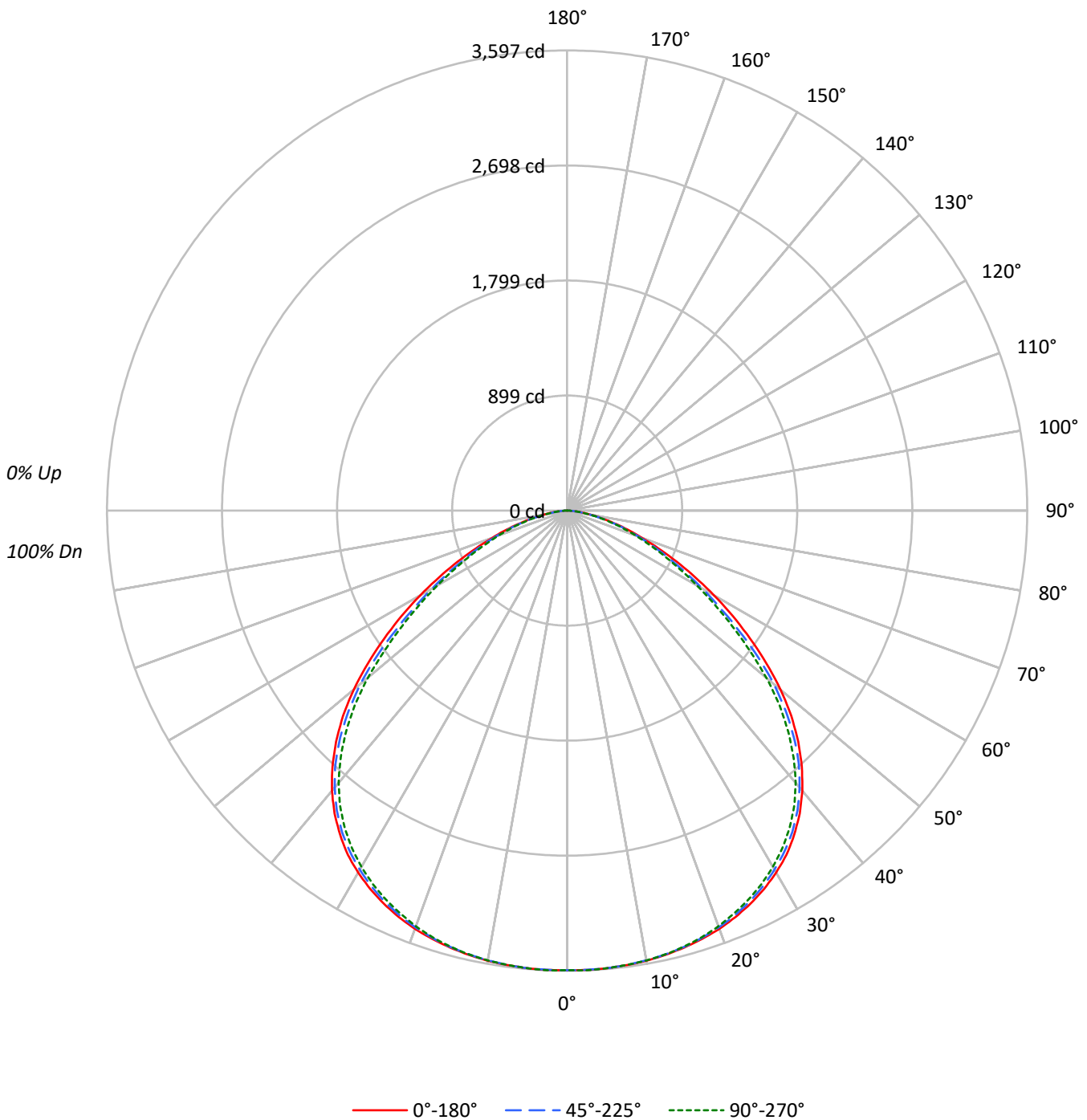
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9559.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

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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	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°	4834	4834	4834
5°	4849	4849	4849
10°	4882	4877	4878
15°	4926	4919	4915
20°	4982	4965	4951
25°	5033	5008	4980
30°	5077	5035	4997
35°	5083	5039	4976
40°	5024	4965	4882
45°	4861	4772	4649
50°	4558	4416	4255
55°	4096	3853	3694
60°	3567	3282	3157
65°	3001	2777	2656
70°	2446	2322	2229
75°	1960	1891	1812
80°	1505	1387	1350
85°	940	911	911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.0	3.6
10°-20°	998.3	10.4
20°-30°	1555.3	16.3
30°-40°	1913.3	20.0
40°-50°	1921.8	20.1
50°-60°	1481.2	15.5
60°-70°	879.3	9.2
70°-80°	391.5	4.1
80°-90°	76.4	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°	2895.6	30.3
0°-40°	4808.8	50.3
0°-60°	8211.7	85.9
0°-90°	9559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3592	3592	3592	3592	3592	
5°	3590	3591	3590	3587	3590	342
15°	3536	3536	3532	3526	3529	1000
25°	3390	3390	3373	3358	3354	1564
35°	3094	3090	3068	3042	3030	1932
45°	2555	2548	2508	2466	2443	1961
55°	1746	1713	1642	1593	1575	1562
65°	943	902	872	839	834	942
75°	377	369	364	351	348	408
85°	61	58	59	56	59	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3592.4	3592.4	3592.4	3592.4	3592.4
2.5°	3594.3	3593.3	3593.3	3589.5	3597.2
5°	3590.5	3591.4	3590.5	3586.7	3590.5
7.5°	3582.9	3583.8	3581.9	3578.1	3581.9
10°	3573.4	3573.4	3569.5	3567.6	3570.5
12.5°	3557.2	3557.2	3553.4	3550.5	3553.4
15°	3536.2	3536.2	3531.5	3525.7	3528.6
17.5°	3510.5	3510.5	3502.9	3495.3	3497.2
20°	3479.1	3478.1	3467.7	3457.2	3458.1
22.5°	3439.1	3438.1	3424.8	3412.4	3408.6
25°	3390.5	3389.6	3373.4	3358.2	3354.4
27.5°	3334.4	3330.6	3312.5	3295.3	3291.5
30°	3267.7	3264.9	3241.1	3223.9	3216.3
32.5°	3190.6	3183.0	3161.1	3140.1	3129.7
35°	3094.4	3089.7	3067.8	3042.1	3029.7
37.5°	2985.9	2981.1	2957.3	2928.8	2914.5
40°	2860.2	2856.4	2826.9	2797.4	2779.3
42.5°	2715.5	2712.6	2681.2	2640.3	2621.2
45°	2554.6	2547.9	2507.9	2466.0	2443.2
47.5°	2375.6	2364.1	2315.6	2275.6	2250.8
50°	2177.5	2162.3	2109.9	2058.5	2032.8
52.5°	1963.3	1936.6	1882.4	1823.3	1798.6
55°	1746.2	1712.9	1642.4	1592.9	1574.8
57.5°	1533.9	1485.3	1418.7	1383.4	1365.4
60°	1325.4	1272.0	1219.7	1185.4	1173.0
62.5°	1126.4	1081.6	1036.9	1002.6	995.0
65°	942.6	901.7	872.2	838.8	834.1
67.5°	771.2	752.2	725.5	697.0	693.2
70°	621.7	614.1	590.3	573.2	566.5
72.5°	496.1	488.4	471.3	458.9	457.0
75°	377.0	369.4	363.7	351.3	348.5
77.5°	268.5	269.5	264.7	258.0	259.9
80°	194.2	182.8	179.0	175.2	174.2
82.5°	119.0	112.4	109.5	108.5	110.4
85°	60.9	58.1	59.0	56.2	59.0
87.5°	20.9	20.9	21.9	20.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)