

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: P412503

Luminaire Tested: **24PD-35-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412503
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-35-PB1-L935
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

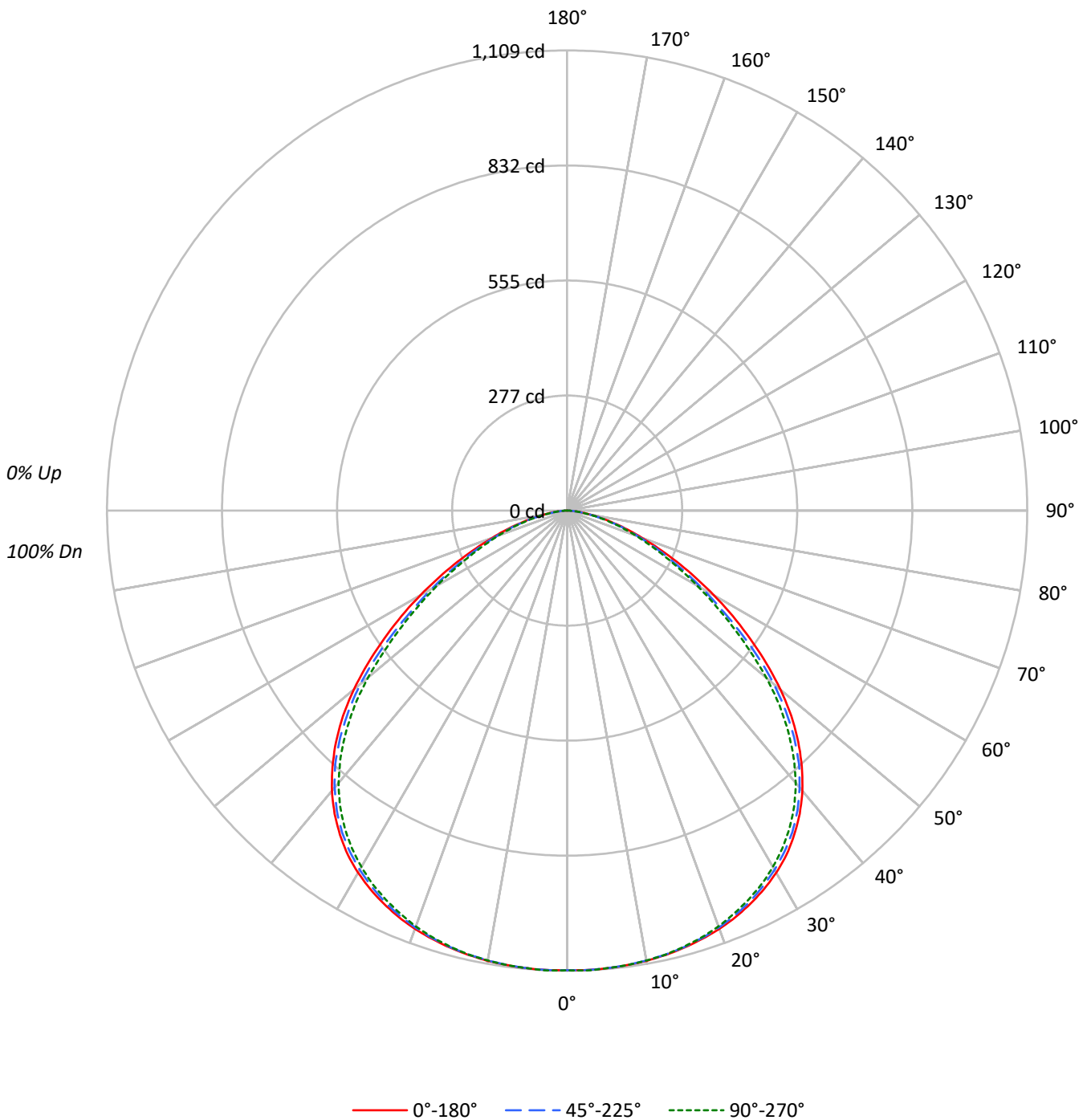
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948.0 lumens
Efficiency: N/A
Efficacy: 114.3 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): 25.8
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°	1491	1491	1491
5°	1496	1496	1496
10°	1506	1504	1504
15°	1519	1517	1516
20°	1536	1531	1527
25°	1552	1545	1536
30°	1566	1553	1541
35°	1567	1554	1535
40°	1549	1531	1505
45°	1499	1472	1434
50°	1406	1362	1312
55°	1263	1188	1139
60°	1100	1012	974
65°	926	856	819
70°	754	716	687
75°	605	583	559
80°	464	428	416
85°	290	281	281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	3.6
10°-20°	307.9	10.4
20°-30°	479.6	16.3
30°-40°	590.0	20.0
40°-50°	592.7	20.1
50°-60°	456.8	15.5
60°-70°	271.2	9.2
70°-80°	120.7	4.1
80°-90°	23.6	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°	893.0	30.3
0°-40°	1483.0	50.3
0°-60°	2532.5	85.9
0°-90°	2948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1107	1108	1107	1106	1107	106
15°	1091	1091	1089	1087	1088	308
25°	1046	1045	1040	1036	1034	482
35°	954	953	946	938	934	596
45°	788	786	773	760	754	605
55°	538	528	506	491	486	482
65°	291	278	269	259	257	290
75°	116	114	112	108	108	126
85°	19	18	18	17	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1107.9	1107.9	1107.9	1107.9	1107.9
2.5°	1108.5	1108.2	1108.2	1107.0	1109.4
5°	1107.3	1107.6	1107.3	1106.1	1107.3
7.5°	1105.0	1105.3	1104.7	1103.5	1104.7
10°	1102.0	1102.0	1100.8	1100.3	1101.1
12.5°	1097.0	1097.0	1095.9	1095.0	1095.9
15°	1090.6	1090.6	1089.1	1087.3	1088.2
17.5°	1082.6	1082.6	1080.3	1077.9	1078.5
20°	1073.0	1072.7	1069.4	1066.2	1066.5
22.5°	1060.6	1060.3	1056.2	1052.4	1051.2
25°	1045.6	1045.4	1040.4	1035.7	1034.5
27.5°	1028.3	1027.1	1021.6	1016.3	1015.1
30°	1007.8	1006.9	999.5	994.3	991.9
32.5°	984.0	981.6	974.9	968.4	965.2
35°	954.3	952.9	946.1	938.2	934.4
37.5°	920.8	919.4	912.0	903.2	898.8
40°	882.1	880.9	871.8	862.7	857.1
42.5°	837.5	836.6	826.9	814.3	808.4
45°	787.8	785.8	773.4	760.5	753.5
47.5°	732.6	729.1	714.1	701.8	694.2
50°	671.6	666.9	650.7	634.8	626.9
52.5°	605.5	597.3	580.5	562.3	554.7
55°	538.5	528.3	506.5	491.3	485.7
57.5°	473.1	458.1	437.5	426.7	421.1
60°	408.7	392.3	376.2	365.6	361.8
62.5°	347.4	333.6	319.8	309.2	306.9
65°	290.7	278.1	269.0	258.7	257.2
67.5°	237.8	232.0	223.8	214.9	213.8
70°	191.7	189.4	182.1	176.8	174.7
72.5°	153.0	150.6	145.4	141.5	140.9
75°	116.3	113.9	112.2	108.4	107.5
77.5°	82.8	83.1	81.6	79.6	80.2
80°	59.9	56.4	55.2	54.0	53.7
82.5°	36.7	34.6	33.8	33.5	34.1
85°	18.8	17.9	18.2	17.3	18.2
87.5°	6.5	6.5	6.8	6.5	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)