

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: P412386

Luminaire Tested: **22PD-35-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PB1-L935
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

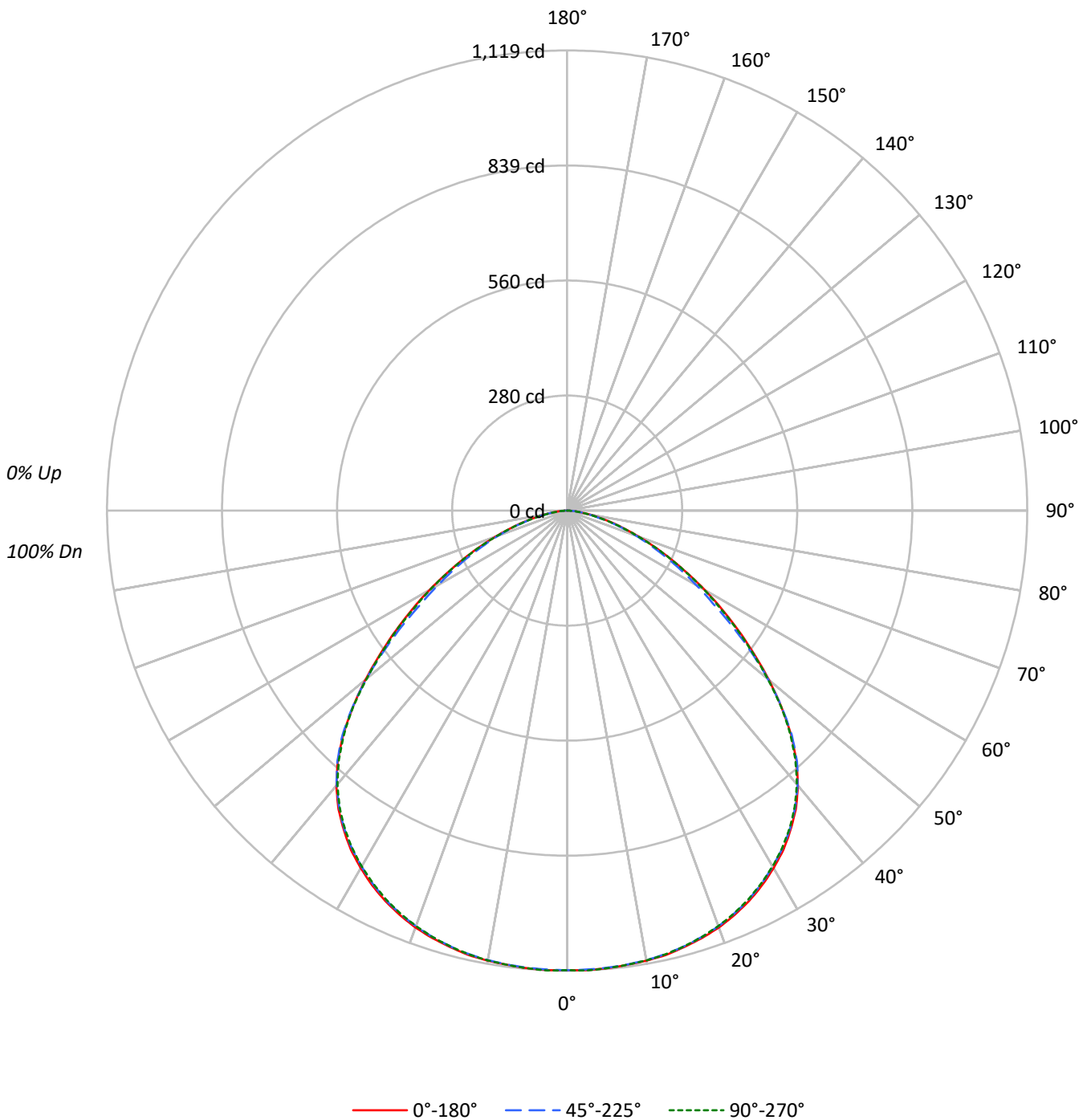
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2934.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3007	3007	3007
5°	3017	3014	3018
10°	3037	3033	3035
15°	3061	3057	3057
20°	3090	3080	3079
25°	3109	3100	3097
30°	3119	3106	3104
35°	3113	3104	3098
40°	3066	3063	3053
45°	2931	2941	2918
50°	2683	2669	2666
55°	2385	2301	2369
60°	2079	1953	2066
65°	1762	1668	1754
70°	1457	1397	1444
75°	1178	1103	1132
80°	851	824	820
85°	556	556	534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.6
10°-20°	310.1	10.6
20°-30°	481.2	16.4
30°-40°	590.1	20.1
40°-50°	589.9	20.1
50°-60°	446.8	15.2
60°-70°	268.0	9.1
70°-80°	118.0	4.0
80°-90°	23.4	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°	897.7	30.6
0°-40°	1487.8	50.7
0°-60°	2524.6	86.0
0°-90°	2934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1117	1116	1116	1116	1117	106
15°	1099	1098	1097	1096	1097	311
25°	1047	1045	1044	1042	1043	483
35°	948	947	945	944	943	592
45°	770	771	773	771	767	590
55°	508	497	490	497	505	456
65°	277	267	262	266	275	277
75°	113	111	106	108	109	121
85°	18	19	18	17	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.6	1117.6	1117.6	1117.6	1117.6
2.5°	1118.6	1116.9	1117.2	1117.2	1119.3
5°	1116.9	1115.5	1115.8	1115.5	1117.2
7.5°	1114.4	1113.1	1113.4	1113.1	1114.1
10°	1111.3	1110.0	1110.0	1109.3	1110.6
12.5°	1107.2	1105.5	1104.8	1104.4	1105.5
15°	1098.9	1097.9	1097.2	1096.5	1097.2
17.5°	1089.9	1088.2	1087.5	1086.1	1087.5
20°	1078.9	1076.4	1075.7	1074.7	1075.1
22.5°	1064.3	1062.3	1061.2	1059.5	1060.2
25°	1047.1	1045.0	1044.0	1042.2	1042.9
27.5°	1027.0	1025.6	1023.2	1021.8	1022.2
30°	1003.9	1002.5	999.7	999.0	999.0
32.5°	978.3	976.6	974.1	973.5	973.1
35°	947.5	947.2	944.8	944.1	943.0
37.5°	914.0	913.3	910.6	909.9	908.8
40°	872.9	872.2	871.9	870.5	869.1
42.5°	825.2	826.2	826.9	824.2	821.4
45°	770.3	771.3	772.7	770.6	766.8
47.5°	706.0	710.1	708.1	709.4	705.6
50°	641.0	641.0	637.6	638.9	636.9
52.5°	572.9	567.4	563.3	566.0	568.8
55°	508.3	497.3	490.4	496.9	504.9
57.5°	446.5	433.3	420.6	430.9	440.6
60°	386.3	371.1	362.8	370.4	383.9
62.5°	329.3	318.3	310.0	315.8	327.3
65°	276.8	267.1	261.9	266.4	275.4
67.5°	228.8	222.2	217.0	220.8	227.7
70°	185.2	183.5	177.6	179.3	183.5
72.5°	145.5	145.1	140.0	141.3	143.8
75°	113.3	110.9	106.1	107.8	108.9
77.5°	80.2	81.2	76.7	77.8	77.8
80°	54.9	56.7	53.2	52.5	52.9
82.5°	34.9	34.9	34.6	34.2	33.2
85°	18.0	18.7	18.0	17.3	17.3
87.5°	6.9	6.9	6.9	6.6	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)