

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: P412385

Luminaire Tested: **22PD-35-PB1-L930**

Issue Date: 9/15/2020



**Test Information**

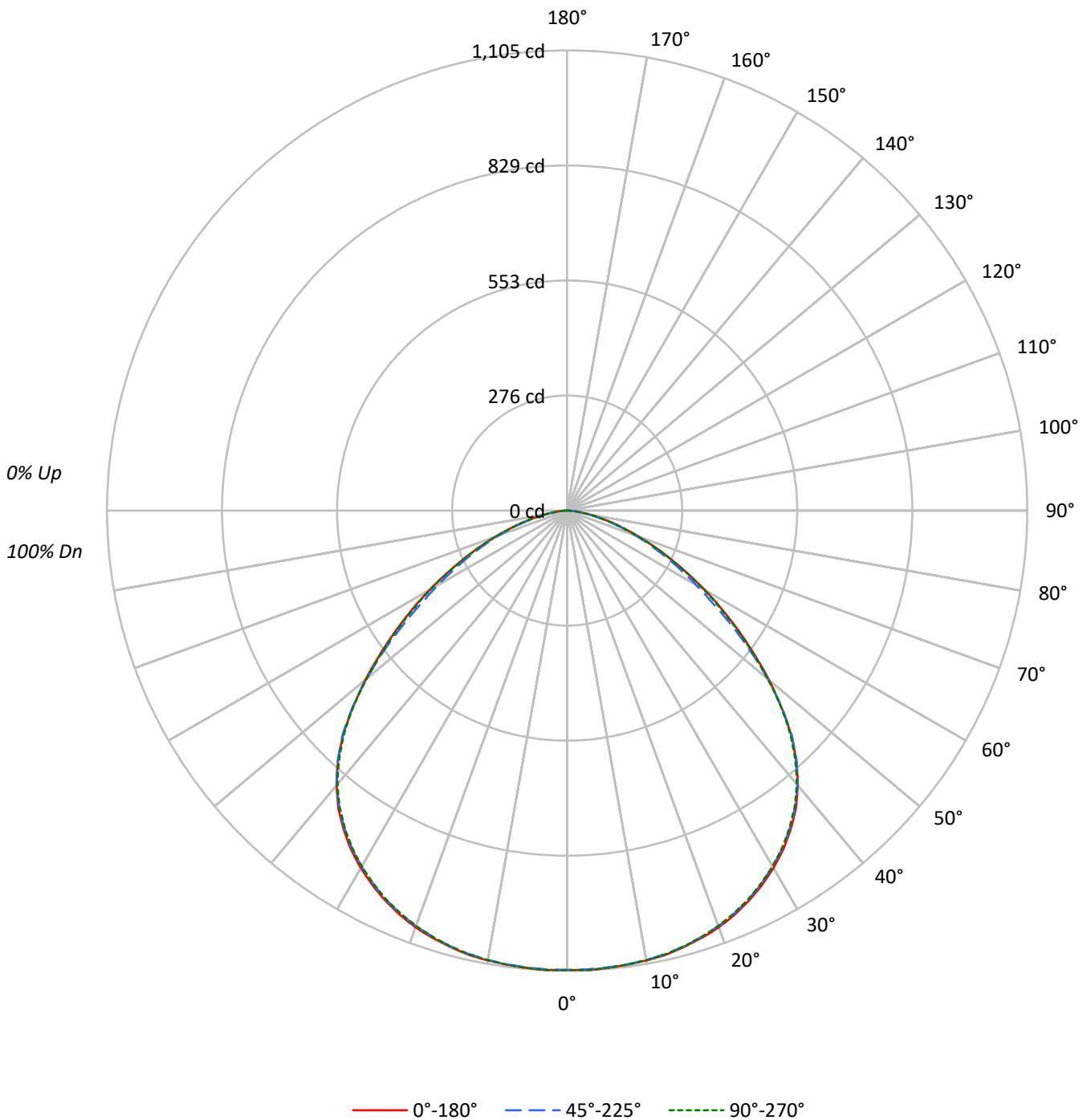
Test Method: LM-79-08  
Report Number: P412385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PB1-L930  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2896.0 lumens  
Efficiency: N/A  
Efficacy: 99.2 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°	2968	2968	2968
5°	2978	2975	2979
10°	2997	2994	2996
15°	3022	3017	3017
20°	3050	3041	3039
25°	3069	3059	3056
30°	3079	3066	3064
35°	3073	3063	3058
40°	3027	3023	3013
45°	2893	2903	2880
50°	2649	2635	2632
55°	2354	2271	2338
60°	2052	1927	2040
65°	1740	1646	1731
70°	1438	1379	1425
75°	1163	1089	1117
80°	840	814	809
85°	546	546	528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	3.6
10°-20°	306.1	10.6
20°-30°	475.0	16.4
30°-40°	582.5	20.1
40°-50°	582.3	20.1
50°-60°	441.1	15.2
60°-70°	264.5	9.1
70°-80°	116.5	4.0
80°-90°	23.1	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°	886.1	30.6
0°-40°	1468.6	50.7
0°-60°	2491.9	86.0
0°-90°	2896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1102	1101	1101	1101	1103	105
15°	1085	1084	1083	1082	1083	307
25°	1034	1032	1030	1029	1029	476
35°	935	935	932	932	931	584
45°	760	761	763	761	757	582
55°	502	491	484	490	498	450
65°	273	264	258	263	272	273
75°	112	110	105	106	107	119
85°	18	18	18	17	17	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1103.1	1103.1	1103.1	1103.1	1103.1
2.5°	1104.1	1102.4	1102.7	1102.7	1104.8
5°	1102.4	1101.0	1101.4	1101.0	1102.7
7.5°	1100.0	1098.6	1099.0	1098.6	1099.7
10°	1096.9	1095.6	1095.6	1094.9	1096.3
12.5°	1092.9	1091.1	1090.5	1090.1	1091.1
15°	1084.7	1083.6	1083.0	1082.3	1083.0
17.5°	1075.8	1074.1	1073.4	1072.0	1073.4
20°	1064.9	1062.5	1061.8	1060.8	1061.1
22.5°	1050.6	1048.5	1047.5	1045.8	1046.5
25°	1033.5	1031.5	1030.4	1028.7	1029.4
27.5°	1013.7	1012.4	1010.0	1008.6	1008.9
30°	990.9	989.5	986.8	986.1	986.1
32.5°	965.6	963.9	961.5	960.8	960.5
35°	935.3	934.9	932.5	931.9	930.8
37.5°	902.2	901.5	898.8	898.1	897.1
40°	861.6	860.9	860.6	859.2	857.8
42.5°	814.5	815.5	816.2	813.5	810.8
45°	760.3	761.3	762.7	760.6	756.9
47.5°	696.8	700.9	698.9	700.3	696.5
50°	632.7	632.7	629.3	630.7	628.6
52.5°	565.5	560.1	556.0	558.7	561.4
55°	501.7	490.8	484.0	490.5	498.3
57.5°	440.7	427.7	415.1	425.3	434.9
60°	381.3	366.3	358.1	365.6	379.0
62.5°	325.1	314.1	306.0	311.8	323.0
65°	273.2	263.7	258.5	263.0	271.8
67.5°	225.8	219.3	214.2	218.0	224.8
70°	182.8	181.1	175.3	177.0	181.1
72.5°	143.6	143.3	138.1	139.5	141.9
75°	111.9	109.5	104.7	106.4	107.4
77.5°	79.1	80.2	75.7	76.7	76.7
80°	54.2	55.9	52.5	51.8	52.2
82.5°	34.5	34.5	34.1	33.8	32.7
85°	17.7	18.4	17.7	17.1	17.1
87.5°	6.8	6.8	6.8	6.5	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)