

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: P412728

Luminaire Tested: **22PD-35-PP3-L935**

Issue Date: 9/15/2020



**Test Information**

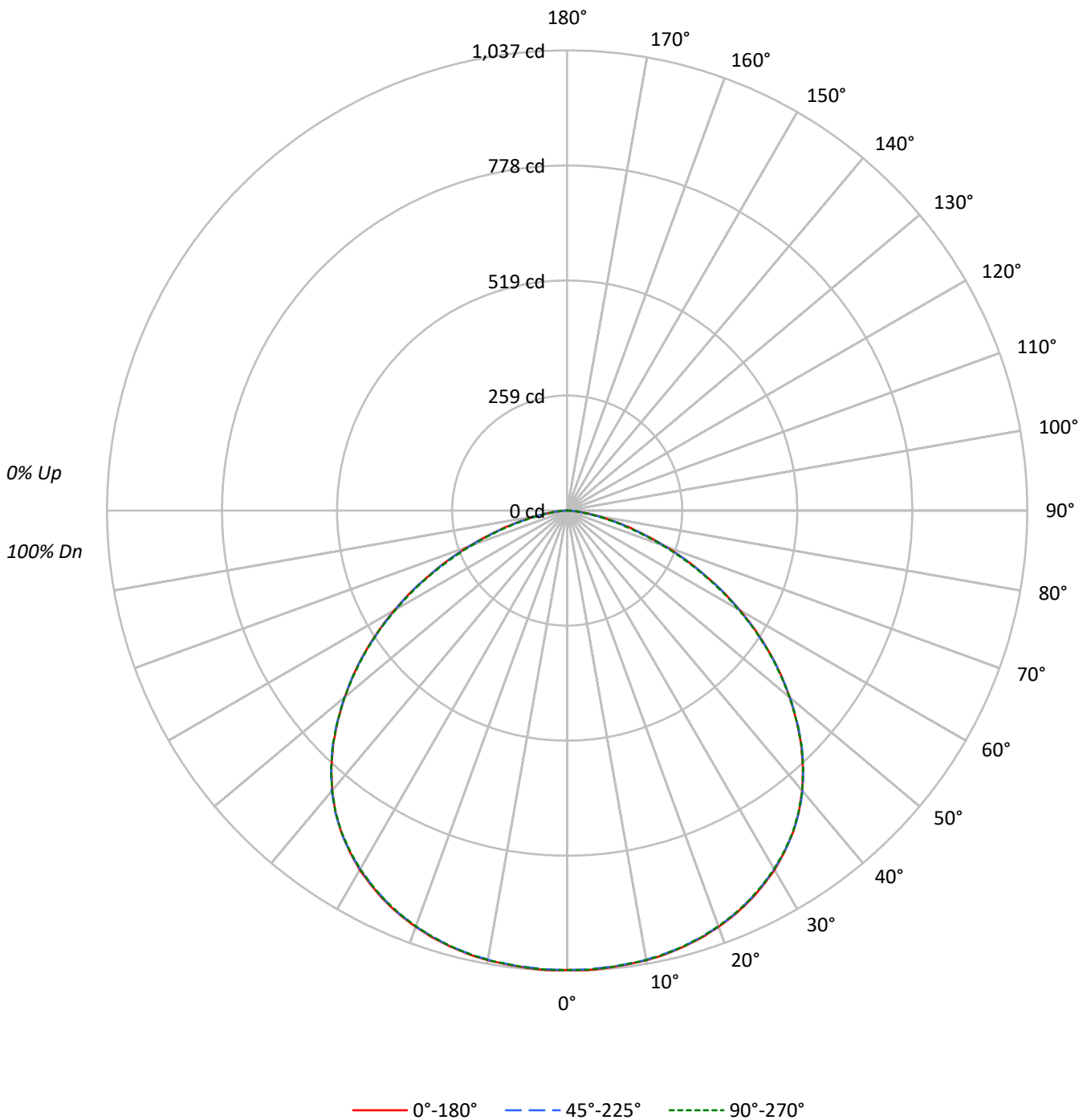
Test Method: LM-79-08  
Report Number: P412728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PP3-L935  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2970.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2786	2786	2786
5°	2794	2791	2793
10°	2812	2808	2810
15°	2834	2831	2831
20°	2859	2856	2855
25°	2884	2879	2879
30°	2904	2899	2898
35°	2913	2913	2909
40°	2893	2899	2893
45°	2836	2844	2840
50°	2740	2745	2737
55°	2609	2602	2598
60°	2422	2416	2398
65°	2164	2161	2137
70°	1849	1838	1798
75°	1473	1431	1387
80°	1049	1029	975
85°	682	682	661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	3.3
10°-20°	287.2	9.7
20°-30°	447.1	15.1
30°-40°	553.4	18.6
40°-50°	573.8	19.3
50°-60°	494.6	16.7
60°-70°	336.3	11.3
70°-80°	150.5	5.1
80°-90°	28.6	1.0
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°	832.7	28.0
0°-40°	1386.1	46.7
0°-60°	2454.6	82.6
0°-90°	2970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1034	1032	1033	1033	1034	99
15°	1017	1016	1016	1016	1016	288
25°	971	970	970	969	970	448
35°	887	886	887	885	886	554
45°	745	744	747	746	746	574
55°	556	554	555	554	554	496
65°	340	342	339	338	336	337
75°	142	142	138	137	133	152
85°	22	23	22	21	21	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1036.6	1034.5	1034.5	1034.8	1035.9
5°	1034.5	1032.4	1033.1	1032.8	1033.8
7.5°	1031.7	1030.0	1031.0	1030.3	1031.0
10°	1029.0	1027.2	1027.6	1027.2	1028.3
12.5°	1024.1	1022.0	1022.7	1022.7	1023.1
15°	1017.2	1015.5	1016.2	1015.5	1016.2
17.5°	1008.9	1006.8	1007.2	1006.8	1007.5
20°	998.2	996.8	997.2	996.5	996.8
22.5°	986.1	984.4	984.7	984.0	984.0
25°	971.2	969.9	969.5	969.2	969.5
27.5°	954.0	952.2	952.2	951.9	951.9
30°	934.6	932.9	932.9	932.5	932.5
32.5°	911.8	911.1	911.4	910.7	910.4
35°	886.6	885.5	886.6	885.2	885.5
37.5°	857.2	855.8	857.9	856.5	856.8
40°	823.6	823.0	825.4	824.3	823.6
42.5°	786.3	786.3	787.4	787.7	787.0
45°	745.2	744.5	747.3	745.5	746.2
47.5°	700.9	699.9	702.0	701.6	701.3
50°	654.6	653.9	655.7	653.9	653.9
52.5°	606.6	606.2	606.6	604.9	604.5
55°	556.1	554.1	554.7	553.7	553.7
57.5°	503.6	501.2	501.5	501.2	501.5
60°	450.0	449.3	449.0	447.3	445.5
62.5°	395.1	395.8	395.4	393.0	391.3
65°	339.8	342.5	339.4	338.4	335.6
67.5°	287.6	288.6	286.5	284.1	281.0
70°	235.0	237.1	233.6	231.2	228.5
72.5°	184.9	186.3	183.2	181.8	178.3
75°	141.7	142.1	137.6	136.9	133.4
77.5°	100.9	102.3	98.9	98.9	95.4
80°	67.7	70.2	66.4	65.3	62.9
82.5°	42.5	42.9	41.8	40.8	39.7
85°	22.1	22.8	22.1	21.4	21.4
87.5°	8.3	8.6	8.3	7.9	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)