

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: P413072

Luminaire Tested: **22PD-35-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

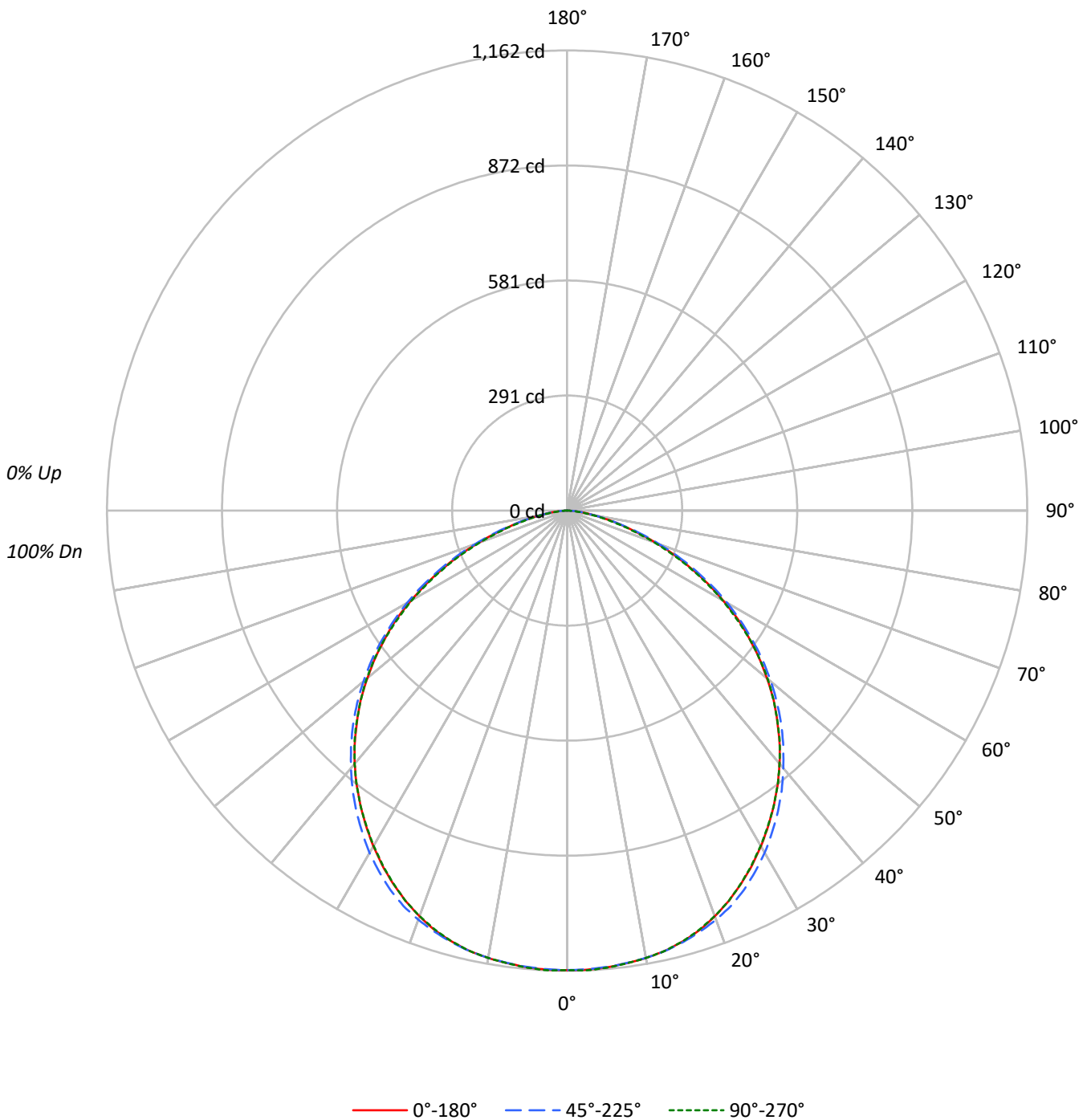
Test Method: LM-79-08  
Report Number: P413072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PC3-L950  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3118.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
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	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

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

	0°	45°	90°
0°	3123	3123	3123
5°	3127	3125	3129
10°	3135	3134	3135
15°	3139	3143	3138
20°	3123	3148	3121
25°	3087	3137	3084
30°	3041	3100	3036
35°	2988	3048	2988
40°	2932	2984	2932
45°	2855	2911	2859
50°	2757	2811	2768
55°	2629	2681	2629
60°	2451	2513	2436
65°	2200	2278	2172
70°	1882	1949	1827
75°	1493	1536	1416
80°	1069	1110	1018
85°	707	729	661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	3.5
10°-20°	318.1	10.2
20°-30°	482.6	15.5
30°-40°	576.3	18.5
40°-50°	586.1	18.8
50°-60°	507.0	16.3
60°-70°	348.8	11.2
70°-80°	158.3	5.1
80°-90°	30.6	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°	910.8	29.2
0°-40°	1487.1	47.7
0°-60°	2580.2	82.8
0°-90°	3118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1158	1157	1157	1157	1158	110
15°	1127	1127	1128	1126	1126	318
25°	1040	1049	1056	1047	1039	479
35°	910	926	928	924	910	569
45°	750	764	765	764	751	578
55°	560	570	572	570	560	501
65°	346	355	358	355	341	343
75°	144	149	148	146	136	154
85°	23	24	24	23	21	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1160.6	1160.6	1160.6	1160.6	1160.6
2.5°	1160.6	1159.2	1159.5	1159.9	1162.1
5°	1157.7	1156.6	1156.9	1156.9	1158.4
7.5°	1152.9	1152.5	1152.5	1152.1	1153.3
10°	1147.3	1146.6	1147.0	1146.6	1147.3
12.5°	1138.9	1138.9	1139.2	1138.1	1138.9
15°	1126.7	1127.4	1128.2	1126.3	1126.3
17.5°	1111.2	1113.0	1114.9	1111.5	1109.7
20°	1090.5	1094.9	1099.4	1094.2	1089.8
22.5°	1066.5	1073.9	1080.5	1072.4	1066.5
25°	1039.6	1048.8	1056.5	1046.9	1038.8
27.5°	1010.4	1020.7	1028.1	1020.0	1008.9
30°	978.6	991.2	997.8	990.1	977.2
32.5°	944.7	959.4	963.5	958.7	943.9
35°	909.6	925.9	927.7	924.4	909.6
37.5°	873.1	888.6	890.0	888.2	873.1
40°	834.7	849.1	849.4	849.4	834.7
42.5°	793.7	807.7	807.7	807.4	794.8
45°	750.1	763.8	764.9	764.2	751.2
47.5°	706.9	717.3	719.1	717.6	706.2
50°	658.6	669.3	671.5	670.0	661.2
52.5°	610.6	620.6	622.8	621.7	611.7
55°	560.4	570.0	571.5	570.4	560.4
57.5°	512.0	518.3	519.8	517.6	505.0
60°	455.5	464.4	467.0	464.4	452.6
62.5°	400.9	410.5	412.7	409.0	396.5
65°	345.5	355.1	357.7	354.8	341.1
67.5°	293.1	300.1	302.3	299.0	286.5
70°	239.2	248.1	247.7	243.3	232.2
72.5°	186.1	198.2	196.0	193.4	181.3
75°	143.6	149.1	147.7	146.2	136.2
77.5°	102.6	109.3	105.6	105.9	97.5
80°	69.0	75.3	71.6	70.1	65.7
82.5°	43.9	46.5	45.8	45.0	41.0
85°	22.9	24.4	23.6	22.9	21.4
87.5°	8.9	9.6	8.9	8.9	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)