

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: P412388

Luminaire Tested: **22PD-35-PB1-L950**

Issue Date: 9/15/2020



**Test Information**

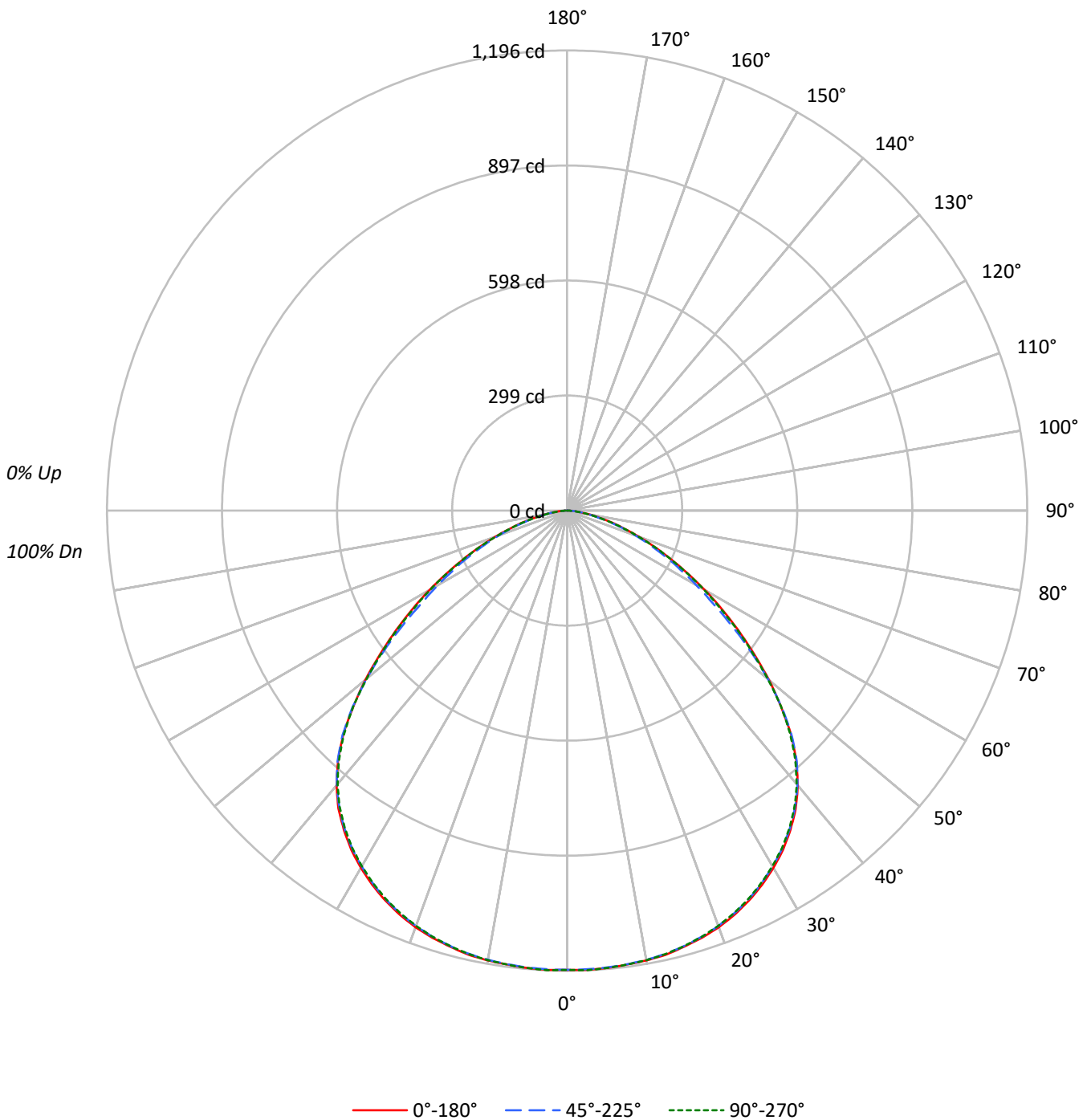
Test Method: LM-79-08  
Report Number: P412388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PB1-L950  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3134.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 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

TEST NUMBER: P412388  
CATALOG NUMBER: 22PD-35-PB1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P412388

CATALOG NUMBER: 22PD-35-PB1-L950

**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°	3212	3212	3212
5°	3223	3220	3224
10°	3244	3240	3242
15°	3270	3265	3265
20°	3300	3291	3288
25°	3321	3311	3308
30°	3332	3318	3316
35°	3325	3315	3309
40°	3275	3271	3261
45°	3131	3141	3117
50°	2866	2851	2848
55°	2548	2457	2530
60°	2221	2086	2207
65°	1883	1782	1873
70°	1556	1493	1542
75°	1259	1178	1209
80°	910	880	876
85°	593	593	571



TEST NUMBER: P412388

CATALOG NUMBER: 22PD-35-PB1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.6	3.6
10°-20°	331.3	10.6
20°-30°	514.0	16.4
30°-40°	630.4	20.1
40°-50°	630.1	20.1
50°-60°	477.3	15.2
60°-70°	286.3	9.1
70°-80°	126.0	4.0
80°-90°	25.0	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°	958.9	30.6
0°-40°	1589.2	50.7
0°-60°	2696.7	86.0
0°-90°	3134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1193	1192	1192	1192	1193	114
15°	1174	1173	1172	1171	1172	332
25°	1118	1116	1115	1113	1114	516
35°	1012	1012	1009	1008	1007	632
45°	823	824	825	823	819	630
55°	543	531	524	531	539	487
65°	296	285	280	285	294	296
75°	121	118	113	115	116	129
85°	19	20	19	18	18	25
90°	0	0	0	0	0	



TEST NUMBER: P412388

CATALOG NUMBER: 22PD-35-PB1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1193.7	1193.7	1193.7	1193.7	1193.7
2.5°	1194.8	1193.0	1193.4	1193.4	1195.6
5°	1193.0	1191.5	1191.9	1191.5	1193.4
7.5°	1190.4	1188.9	1189.3	1188.9	1190.0
10°	1187.1	1185.6	1185.6	1184.9	1186.4
12.5°	1182.7	1180.8	1180.1	1179.7	1180.8
15°	1173.8	1172.7	1172.0	1171.2	1172.0
17.5°	1164.2	1162.4	1161.6	1160.1	1161.6
20°	1152.4	1149.8	1149.1	1148.0	1148.3
22.5°	1136.9	1134.7	1133.6	1131.7	1132.5
25°	1118.4	1116.2	1115.1	1113.3	1114.0
27.5°	1097.0	1095.6	1093.0	1091.5	1091.9
30°	1072.3	1070.8	1067.9	1067.1	1067.1
32.5°	1045.0	1043.1	1040.6	1039.8	1039.4
35°	1012.1	1011.8	1009.2	1008.4	1007.3
37.5°	976.3	975.6	972.6	971.9	970.8
40°	932.4	931.7	931.3	929.8	928.3
42.5°	881.5	882.6	883.3	880.4	877.4
45°	822.8	823.9	825.4	823.1	819.1
47.5°	754.1	758.5	756.3	757.8	753.7
50°	684.7	684.7	681.0	682.5	680.3
52.5°	612.0	606.1	601.7	604.6	607.6
55°	543.0	531.2	523.8	530.8	539.3
57.5°	476.9	462.9	449.2	460.3	470.6
60°	412.7	396.4	387.6	395.7	410.1
62.5°	351.8	340.0	331.1	337.4	349.6
65°	295.7	285.3	279.8	284.6	294.2
67.5°	244.4	237.3	231.8	235.9	243.3
70°	197.8	196.0	189.7	191.6	196.0
72.5°	155.4	155.0	149.5	151.0	153.6
75°	121.1	118.5	113.3	115.2	116.3
77.5°	85.6	86.7	81.9	83.1	83.1
80°	58.7	60.5	56.8	56.1	56.5
82.5°	37.3	37.3	36.9	36.5	35.4
85°	19.2	19.9	19.2	18.5	18.5
87.5°	7.4	7.4	7.4	7.0	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)