

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: P413064

Luminaire Tested: **22PD-35-PC3-L830**

Issue Date: 9/15/2020



**Test Information**

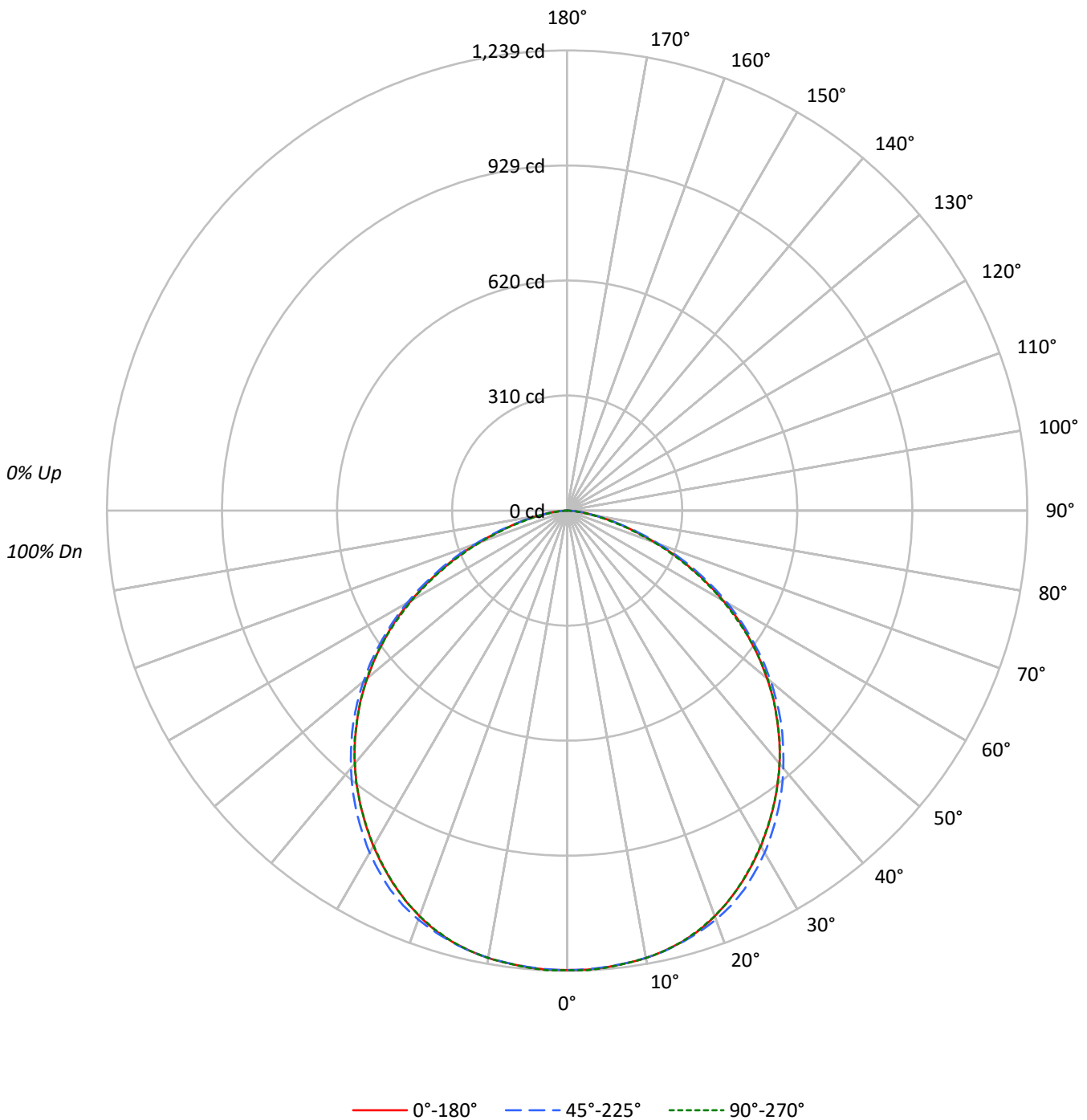
Test Method: LM-79-08  
Report Number: P413064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PC3-L830  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3324.0 lumens  
Efficiency: N/A  
Efficacy: 113.8 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

TEST NUMBER: P413064  
CATALOG NUMBER: 22PD-35-PC3-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P413064

CATALOG NUMBER: 22PD-35-PC3-L830

**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°	3330	3330	3330
5°	3334	3332	3336
10°	3342	3341	3342
15°	3346	3351	3345
20°	3329	3356	3327
25°	3290	3344	3288
30°	3242	3306	3237
35°	3186	3249	3186
40°	3126	3181	3126
45°	3043	3103	3048
50°	2939	2997	2951
55°	2803	2858	2803
60°	2613	2679	2597
65°	2346	2428	2315
70°	2006	2078	1947
75°	1592	1637	1510
80°	1141	1182	1086
85°	753	778	704



TEST NUMBER: P413064

CATALOG NUMBER: 22PD-35-PC3-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.4	3.5
10°-20°	339.1	10.2
20°-30°	514.5	15.5
30°-40°	614.4	18.5
40°-50°	624.8	18.8
50°-60°	540.5	16.3
60°-70°	371.9	11.2
70°-80°	168.8	5.1
80°-90°	32.7	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°	971.0	29.2
0°-40°	1585.3	47.7
0°-60°	2750.6	82.8
0°-90°	3324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1234	1233	1233	1233	1235	117
15°	1201	1202	1203	1201	1201	339
25°	1108	1118	1126	1116	1107	510
35°	970	987	989	985	970	607
45°	800	814	815	815	801	617
55°	597	608	609	608	597	534
65°	368	379	381	378	364	365
75°	153	159	157	156	145	165
85°	24	26	25	24	23	32
90°	0	0	0	0	0	



TEST NUMBER: P413064

CATALOG NUMBER: 22PD-35-PC3-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1237.3	1237.3	1237.3	1237.3	1237.3
2.5°	1237.3	1235.7	1236.1	1236.5	1238.9
5°	1234.2	1233.0	1233.4	1233.4	1235.0
7.5°	1229.1	1228.7	1228.7	1228.3	1229.4
10°	1223.2	1222.4	1222.8	1222.4	1223.2
12.5°	1214.1	1214.1	1214.5	1213.3	1214.1
15°	1201.1	1201.9	1202.7	1200.7	1200.7
17.5°	1184.6	1186.6	1188.5	1185.0	1183.0
20°	1162.5	1167.3	1172.0	1166.5	1161.8
22.5°	1137.0	1144.8	1151.9	1143.3	1137.0
25°	1108.2	1118.1	1126.3	1116.1	1107.4
27.5°	1077.1	1088.2	1096.0	1087.4	1075.6
30°	1043.3	1056.7	1063.8	1055.5	1041.7
32.5°	1007.1	1022.8	1027.2	1022.0	1006.3
35°	969.7	987.0	989.0	985.4	969.7
37.5°	930.7	947.3	948.8	946.9	930.7
40°	889.8	905.2	905.6	905.6	889.8
42.5°	846.1	861.1	861.1	860.7	847.3
45°	799.7	814.3	815.4	814.6	800.9
47.5°	753.6	764.7	766.6	765.1	752.9
50°	702.1	713.5	715.9	714.3	704.8
52.5°	650.9	661.6	663.9	662.7	652.1
55°	597.4	607.6	609.2	608.0	597.4
57.5°	545.9	552.5	554.1	551.8	538.4
60°	485.6	495.1	497.8	495.1	482.5
62.5°	427.4	437.6	440.0	436.1	422.7
65°	368.4	378.6	381.3	378.2	363.6
67.5°	312.5	320.0	322.3	318.8	305.4
70°	255.0	264.5	264.1	259.3	247.5
72.5°	198.3	211.3	209.0	206.2	193.2
75°	153.1	159.0	157.4	155.8	145.2
77.5°	109.4	116.5	112.6	112.9	103.9
80°	73.6	80.3	76.3	74.8	70.1
82.5°	46.8	49.6	48.8	48.0	43.7
85°	24.4	26.0	25.2	24.4	22.8
87.5°	9.4	10.2	9.4	9.4	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)