

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: P413061

Luminaire Tested: **22PD-30-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

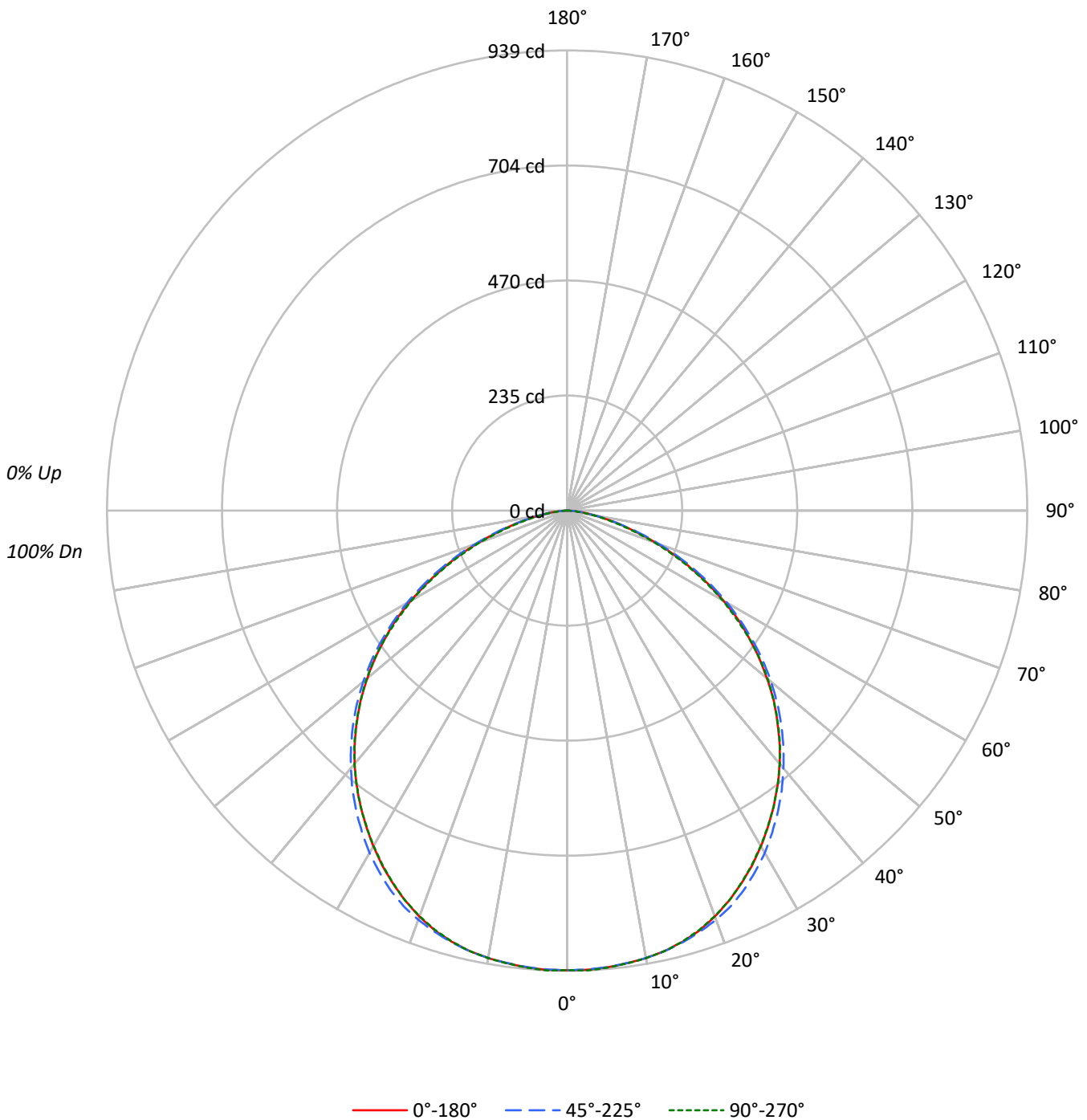
Test Method: LM-79-08  
Report Number: P413061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PC3-L935  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2520.0 lumens  
Efficiency: N/A  
Efficacy: 101.2 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): 24.9  
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: P413061  
CATALOG NUMBER: 22PD-30-PC3-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P413061

CATALOG NUMBER: 22PD-30-PC3-L935

**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°	2524	2524	2524
5°	2528	2526	2529
10°	2534	2533	2534
15°	2537	2540	2536
20°	2524	2544	2522
25°	2495	2535	2493
30°	2458	2506	2454
35°	2415	2463	2415
40°	2370	2412	2370
45°	2307	2353	2311
50°	2228	2272	2237
55°	2125	2167	2125
60°	1982	2031	1969
65°	1778	1841	1755
70°	1521	1575	1477
75°	1207	1240	1145
80°	865	897	823
85°	571	590	534



TEST NUMBER: P413061

CATALOG NUMBER: 22PD-30-PC3-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.5
10°-20°	257.1	10.2
20°-30°	390.0	15.5
30°-40°	465.8	18.5
40°-50°	473.7	18.8
50°-60°	409.7	16.3
60°-70°	282.0	11.2
70°-80°	127.9	5.1
80°-90°	24.8	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°	736.1	29.2
0°-40°	1201.9	47.7
0°-60°	2085.3	82.8
0°-90°	2520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	936	935	935	935	936	89
15°	911	911	912	910	910	257
25°	840	848	854	846	840	387
35°	735	748	750	747	735	460
45°	606	617	618	618	607	468
55°	453	461	462	461	453	405
65°	279	287	289	287	276	277
75°	116	120	119	118	110	125
85°	18	20	19	18	17	24
90°	0	0	0	0	0	



TEST NUMBER: P413061

CATALOG NUMBER: 22PD-30-PC3-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	938.0	938.0	938.0	938.0	938.0
2.5°	938.0	936.8	937.1	937.4	939.2
5°	935.7	934.8	935.1	935.1	936.3
7.5°	931.8	931.5	931.5	931.2	932.1
10°	927.3	926.7	927.0	926.7	927.3
12.5°	920.4	920.4	920.7	919.8	920.4
15°	910.6	911.2	911.8	910.3	910.3
17.5°	898.1	899.6	901.0	898.4	896.9
20°	881.4	884.9	888.5	884.3	880.8
22.5°	862.0	867.9	873.3	866.7	862.0
25°	840.2	847.6	853.9	846.1	839.6
27.5°	816.6	825.0	830.9	824.4	815.4
30°	790.9	801.1	806.5	800.2	789.8
32.5°	763.5	775.4	778.7	774.8	762.9
35°	735.2	748.3	749.8	747.1	735.2
37.5°	705.6	718.2	719.3	717.9	705.6
40°	674.6	686.2	686.5	686.5	674.6
42.5°	641.5	652.8	652.8	652.5	642.4
45°	606.3	617.3	618.2	617.6	607.2
47.5°	571.4	579.7	581.2	580.0	570.8
50°	532.3	540.9	542.7	541.5	534.4
52.5°	493.5	501.5	503.3	502.4	494.4
55°	452.9	460.7	461.9	461.0	452.9
57.5°	413.8	418.9	420.1	418.3	408.2
60°	368.2	375.3	377.4	375.3	365.8
62.5°	324.0	331.8	333.6	330.6	320.4
65°	279.3	287.0	289.1	286.7	275.7
67.5°	236.9	242.6	244.4	241.7	231.5
70°	193.3	200.5	200.2	196.6	187.7
72.5°	150.4	160.2	158.4	156.3	146.5
75°	116.1	120.5	119.3	118.2	110.1
77.5°	82.9	88.3	85.3	85.6	78.8
80°	55.8	60.9	57.9	56.7	53.1
82.5°	35.5	37.6	37.0	36.4	33.1
85°	18.5	19.7	19.1	18.5	17.3
87.5°	7.2	7.8	7.2	7.2	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)