

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: P412713

Luminaire Tested: **22PD-30-PP3-L830**

Issue Date: 9/15/2020



**Test Information**

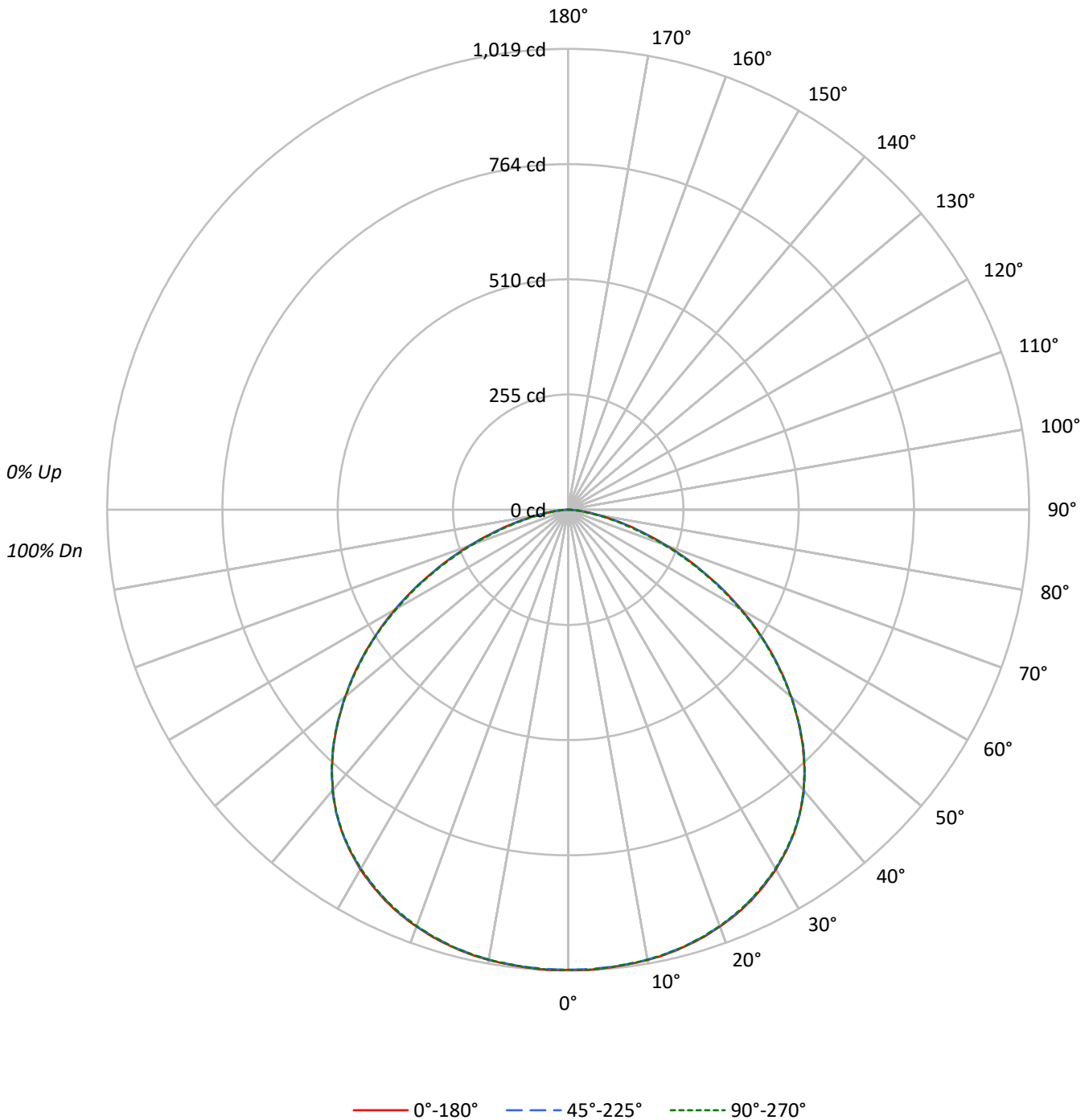
Test Method: LM-79-08  
Report Number: P412713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PP3-L830  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2919.0 lumens  
Efficiency: N/A  
Efficacy: 117.2 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): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	2738	2738	2738
5°	2746	2743	2744
10°	2763	2760	2761
15°	2785	2782	2782
20°	2810	2806	2806
25°	2834	2829	2829
30°	2854	2849	2848
35°	2862	2862	2859
40°	2844	2850	2844
45°	2787	2795	2791
50°	2694	2698	2691
55°	2564	2558	2553
60°	2380	2375	2357
65°	2126	2124	2100
70°	1817	1806	1766
75°	1448	1406	1363
80°	1032	1010	958
85°	670	670	651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.8	3.3
10°-20°	282.2	9.7
20°-30°	439.5	15.1
30°-40°	543.9	18.6
40°-50°	564.0	19.3
50°-60°	486.1	16.7
60°-70°	330.5	11.3
70°-80°	147.9	5.1
80°-90°	28.2	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°	818.4	28.0
0°-40°	1362.3	46.7
0°-60°	2412.4	82.6
0°-90°	2919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1017	1015	1015	1015	1016	97
15°	1000	998	999	998	999	283
25°	955	953	953	952	953	440
35°	871	870	871	870	870	544
45°	732	732	734	733	733	564
55°	547	544	545	544	544	487
65°	334	337	334	333	330	332
75°	139	140	135	134	131	150
85°	22	22	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°	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1018.8	1016.7	1016.7	1017.1	1018.1
5°	1016.7	1014.7	1015.4	1015.0	1016.0
7.5°	1014.0	1012.3	1013.3	1012.6	1013.3
10°	1011.3	1009.6	1009.9	1009.6	1010.6
12.5°	1006.5	1004.5	1005.2	1005.2	1005.5
15°	999.7	998.0	998.7	998.0	998.7
17.5°	991.6	989.5	989.9	989.5	990.2
20°	981.1	979.7	980.0	979.4	979.7
22.5°	969.2	967.5	967.8	967.1	967.1
25°	954.6	953.2	952.9	952.5	952.9
27.5°	937.6	935.9	935.9	935.5	935.5
30°	918.5	916.9	916.9	916.5	916.5
32.5°	896.1	895.4	895.8	895.1	894.8
35°	871.3	870.3	871.3	870.0	870.3
37.5°	842.5	841.1	843.1	841.8	842.1
40°	809.5	808.8	811.2	810.2	809.5
42.5°	772.8	772.8	773.8	774.2	773.5
45°	732.4	731.7	734.4	732.7	733.4
47.5°	688.9	687.9	689.9	689.6	689.3
50°	643.4	642.7	644.4	642.7	642.7
52.5°	596.2	595.8	596.2	594.5	594.1
55°	546.6	544.5	545.2	544.2	544.2
57.5°	494.9	492.6	492.9	492.6	492.9
60°	442.3	441.6	441.3	439.6	437.9
62.5°	388.3	389.0	388.6	386.2	384.5
65°	333.9	336.6	333.6	332.6	329.8
67.5°	282.6	283.6	281.6	279.2	276.2
70°	231.0	233.0	229.6	227.3	224.5
72.5°	181.7	183.1	180.0	178.7	175.3
75°	139.3	139.6	135.2	134.5	131.1
77.5°	99.2	100.6	97.2	97.2	93.8
80°	66.6	69.0	65.2	64.2	61.8
82.5°	41.8	42.1	41.1	40.1	39.1
85°	21.7	22.4	21.7	21.1	21.1
87.5°	8.2	8.5	8.2	7.8	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)