

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: P412377

Luminaire Tested: **22PD-30-PB1-L935**

Issue Date: 9/15/2020



**Test Information**

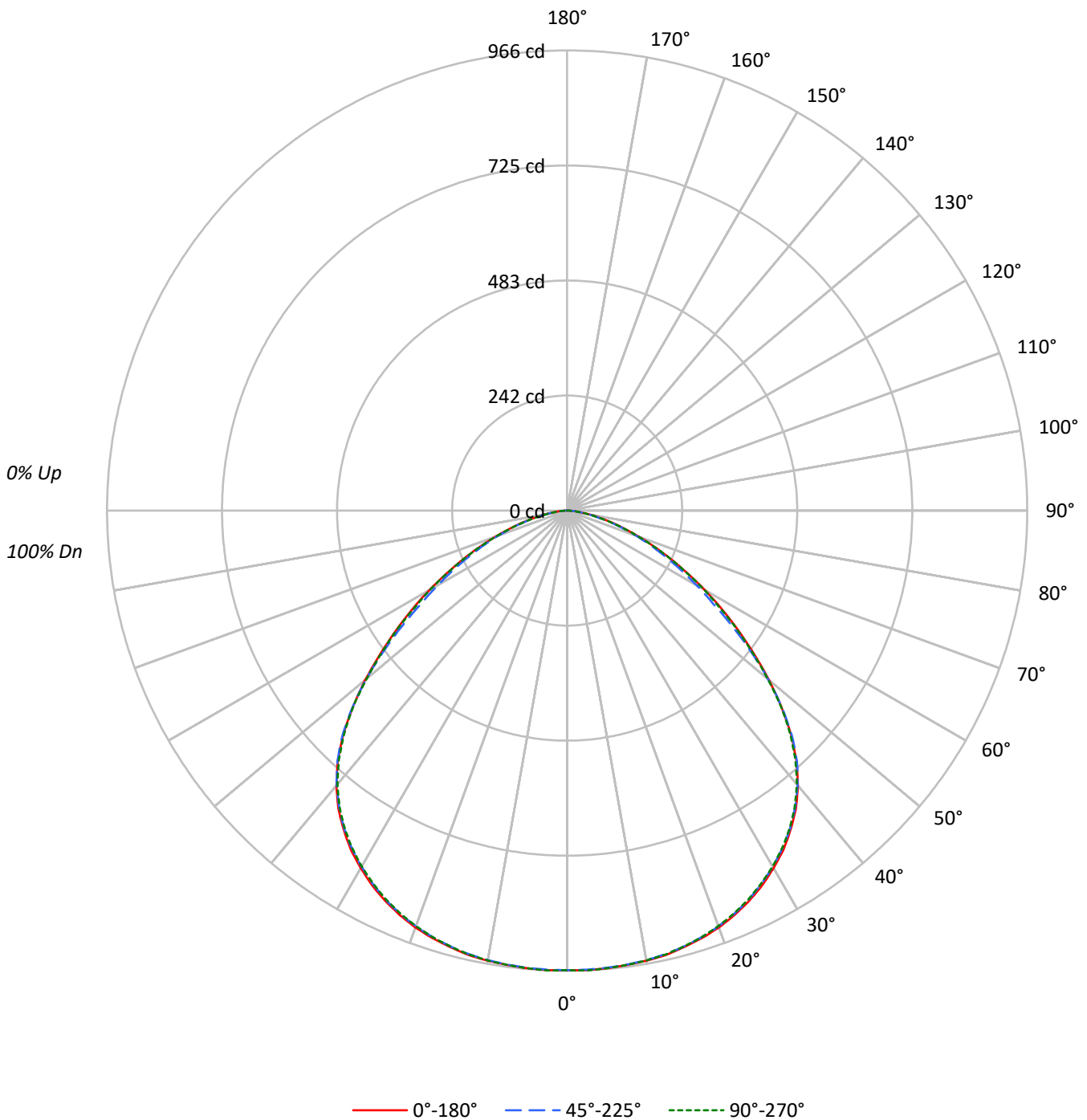
Test Method: LM-79-08  
Report Number: P412377  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PB1-L935  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2533.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 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): 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

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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	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					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°	2596	2596	2596
5°	2605	2602	2605
10°	2622	2619	2620
15°	2643	2639	2639
20°	2667	2659	2658
25°	2684	2676	2673
30°	2693	2682	2680
35°	2687	2679	2675
40°	2647	2644	2636
45°	2531	2539	2519
50°	2317	2304	2302
55°	2059	1986	2045
60°	1795	1686	1784
65°	1522	1440	1514
70°	1258	1206	1246
75°	1018	952	977
80°	735	711	707
85°	479	479	460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.8	3.6
10°-20°	267.7	10.6
20°-30°	415.5	16.4
30°-40°	509.5	20.1
40°-50°	509.3	20.1
50°-60°	385.8	15.2
60°-70°	231.4	9.1
70°-80°	101.9	4.0
80°-90°	20.2	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°	775.0	30.6
0°-40°	1284.5	50.7
0°-60°	2179.6	86.0
0°-90°	2533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	964	963	963	963	964	92
15°	949	948	947	947	947	268
25°	904	902	901	900	900	417
35°	818	818	816	815	814	511
45°	665	666	667	665	662	509
55°	439	429	423	429	436	393
65°	239	231	226	230	238	239
75°	98	96	92	93	94	104
85°	16	16	16	15	15	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	964.8	964.8	964.8	964.8	964.8
2.5°	965.7	964.2	964.5	964.5	966.3
5°	964.2	963.0	963.3	963.0	964.5
7.5°	962.1	960.9	961.2	960.9	961.8
10°	959.4	958.3	958.3	957.7	958.9
12.5°	955.9	954.4	953.8	953.5	954.4
15°	948.7	947.8	947.2	946.6	947.2
17.5°	941.0	939.5	938.9	937.7	938.9
20°	931.4	929.3	928.7	927.8	928.1
22.5°	918.9	917.1	916.2	914.7	915.3
25°	904.0	902.2	901.3	899.8	900.4
27.5°	886.7	885.5	883.4	882.2	882.5
30°	866.7	865.5	863.1	862.5	862.5
32.5°	844.6	843.1	841.0	840.4	840.1
35°	818.0	817.7	815.6	815.1	814.2
37.5°	789.1	788.5	786.1	785.5	784.6
40°	753.6	753.0	752.7	751.5	750.3
42.5°	712.4	713.3	713.9	711.5	709.1
45°	665.0	665.9	667.1	665.3	662.0
47.5°	609.5	613.1	611.3	612.5	609.2
50°	553.4	553.4	550.4	551.6	549.8
52.5°	494.6	489.9	486.3	488.7	491.1
55°	438.9	429.3	423.3	429.0	435.9
57.5°	385.4	374.1	363.1	372.0	380.4
60°	333.5	320.4	313.3	319.8	331.5
62.5°	284.3	274.8	267.6	272.7	282.5
65°	239.0	230.6	226.1	230.0	237.8
67.5°	197.5	191.8	187.4	190.6	196.6
70°	159.9	158.4	153.3	154.8	158.4
72.5°	125.6	125.3	120.8	122.0	124.1
75°	97.9	95.8	91.6	93.1	94.0
77.5°	69.2	70.1	66.2	67.1	67.1
80°	47.4	48.9	45.9	45.3	45.6
82.5°	30.1	30.1	29.8	29.5	28.6
85°	15.5	16.1	15.5	14.9	14.9
87.5°	6.0	6.0	6.0	5.7	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)