

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: P412717

Luminaire Tested: **22PD-30-PP3-L927**

Issue Date: 9/15/2020



**Test Information**

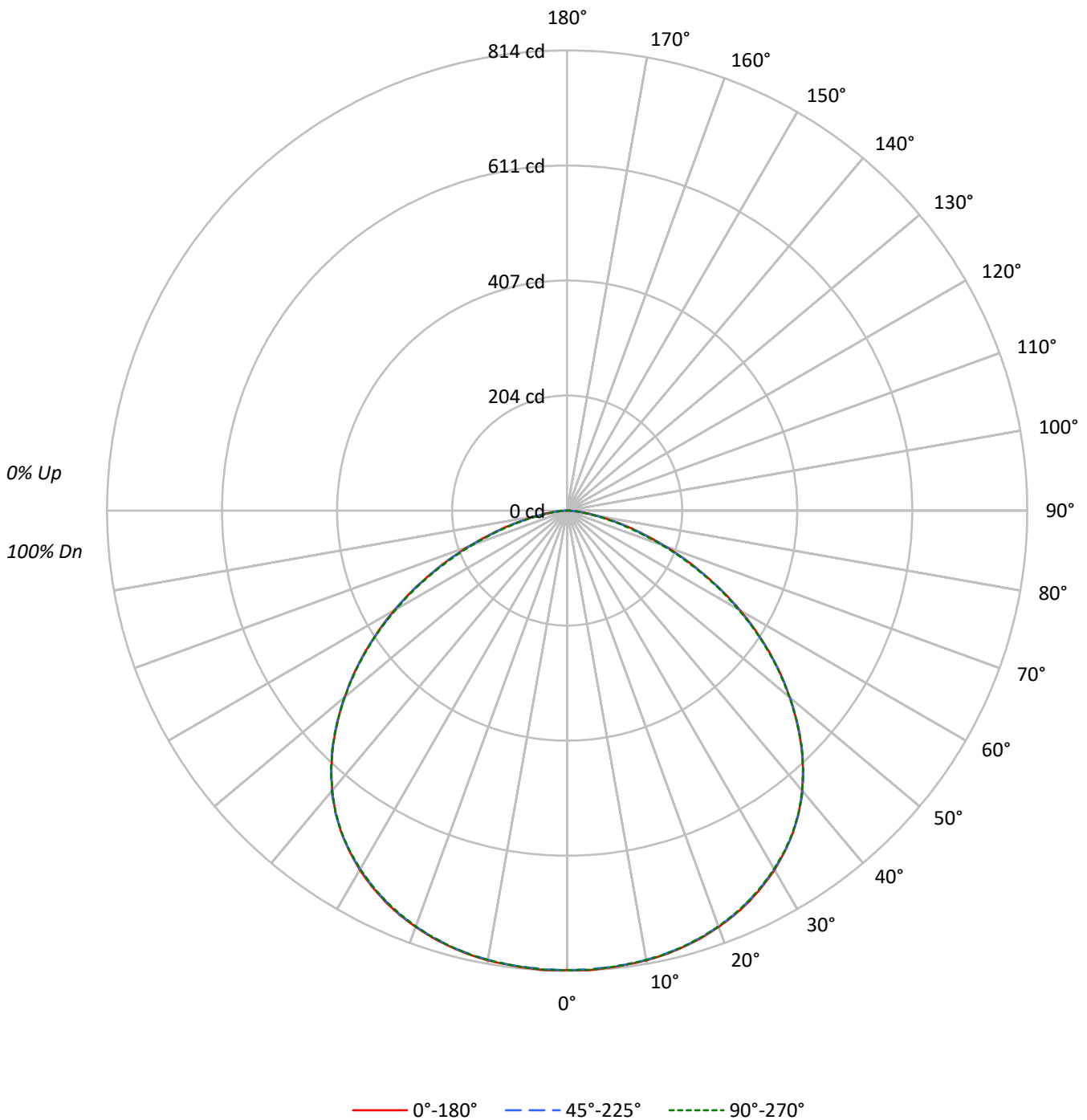
Test Method: LM-79-08  
Report Number: P412717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PP3-L927  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2332.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 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°	2187	2187	2187
5°	2194	2191	2193
10°	2208	2205	2206
15°	2225	2223	2223
20°	2245	2242	2241
25°	2264	2260	2260
30°	2280	2276	2275
35°	2287	2287	2284
40°	2272	2277	2272
45°	2227	2233	2230
50°	2152	2155	2150
55°	2049	2044	2040
60°	1901	1897	1883
65°	1699	1697	1678
70°	1452	1444	1412
75°	1157	1123	1090
80°	824	807	766
85°	537	537	519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.3	3.3
10°-20°	225.5	9.7
20°-30°	351.1	15.1
30°-40°	434.5	18.6
40°-50°	450.6	19.3
50°-60°	388.4	16.7
60°-70°	264.0	11.3
70°-80°	118.1	5.1
80°-90°	22.5	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°	653.8	28.0
0°-40°	1088.4	46.7
0°-60°	1927.3	82.6
0°-90°	2332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	812	811	811	811	812	77
15°	799	797	798	797	798	226
25°	763	762	761	761	761	352
35°	696	695	696	695	695	435
45°	585	585	587	585	586	450
55°	437	435	436	435	435	389
65°	267	269	266	266	264	265
75°	111	112	108	108	105	120
85°	17	18	17	17	17	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	812.8	812.8	812.8	812.8	812.8
2.5°	813.9	812.3	812.3	812.5	813.3
5°	812.3	810.6	811.2	810.9	811.7
7.5°	810.1	808.7	809.5	809.0	809.5
10°	807.9	806.6	806.8	806.6	807.4
12.5°	804.1	802.5	803.0	803.0	803.3
15°	798.7	797.3	797.9	797.3	797.9
17.5°	792.2	790.6	790.8	790.6	791.1
20°	783.8	782.7	783.0	782.4	782.7
22.5°	774.3	772.9	773.2	772.6	772.6
25°	762.6	761.5	761.2	761.0	761.2
27.5°	749.0	747.7	747.7	747.4	747.4
30°	733.8	732.5	732.5	732.2	732.2
32.5°	715.9	715.4	715.6	715.1	714.8
35°	696.1	695.3	696.1	695.0	695.3
37.5°	673.0	672.0	673.6	672.5	672.8
40°	646.7	646.2	648.1	647.3	646.7
42.5°	617.4	617.4	618.2	618.5	617.9
45°	585.1	584.6	586.7	585.4	585.9
47.5°	550.4	549.6	551.2	550.9	550.6
50°	514.0	513.5	514.8	513.5	513.5
52.5°	476.3	476.0	476.3	474.9	474.7
55°	436.7	435.0	435.6	434.8	434.8
57.5°	395.4	393.5	393.8	393.5	393.8
60°	353.3	352.8	352.5	351.2	349.8
62.5°	310.2	310.7	310.5	308.6	307.2
65°	266.8	268.9	266.5	265.7	263.5
67.5°	225.8	226.6	225.0	223.1	220.6
70°	184.5	186.2	183.5	181.6	179.4
72.5°	145.2	146.3	143.8	142.7	140.0
75°	111.3	111.5	108.0	107.5	104.8
77.5°	79.2	80.3	77.6	77.6	74.9
80°	53.2	55.1	52.1	51.3	49.4
82.5°	33.4	33.7	32.8	32.0	31.2
85°	17.4	17.9	17.4	16.8	16.8
87.5°	6.5	6.8	6.5	6.2	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)