

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: P412718

Luminaire Tested: **22PD-30-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412718
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-L930
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

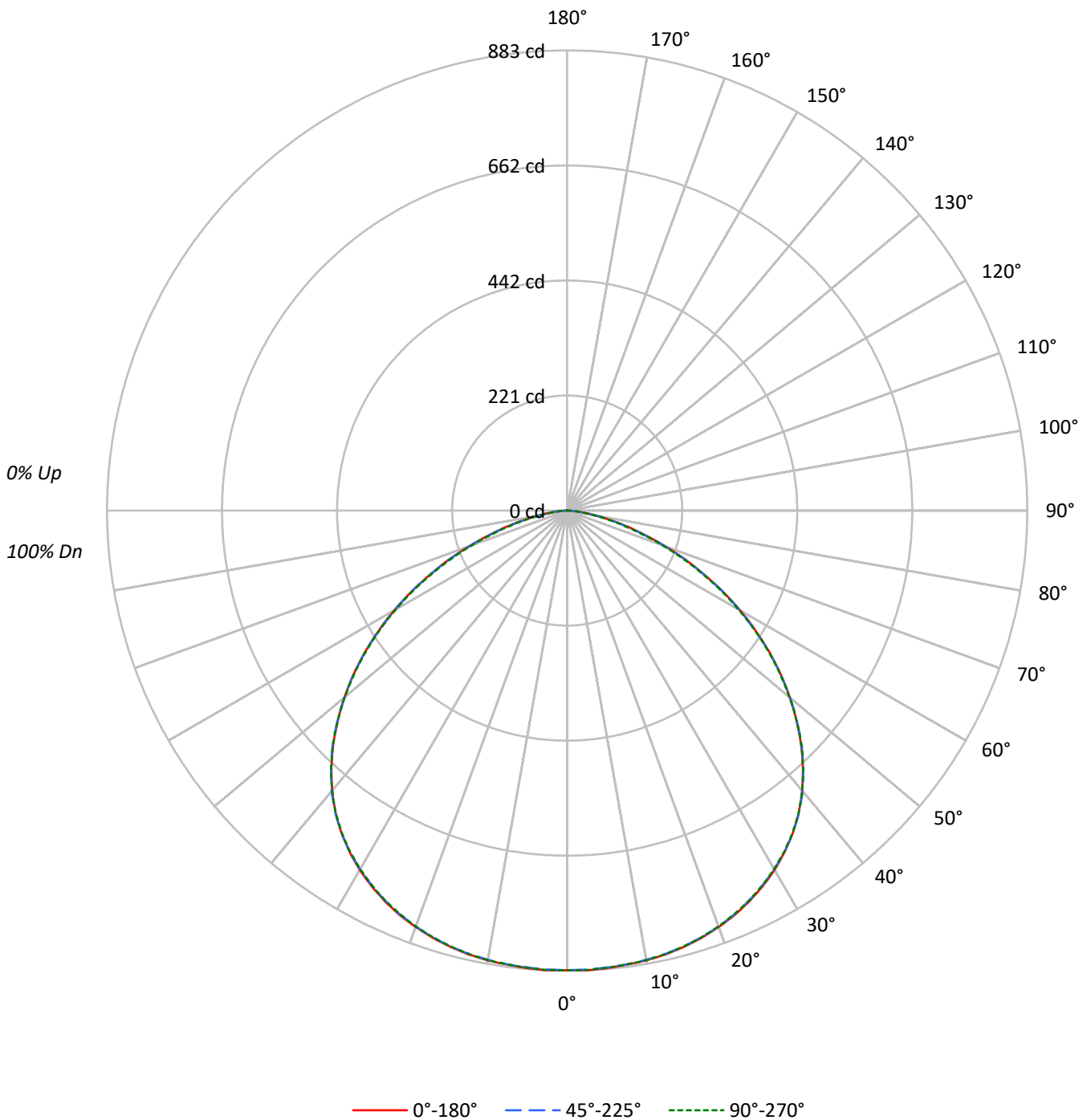
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2530.0 lumens
Efficiency: N/A
Efficacy: 101.6 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_{in}): 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°	2373	2373	2373
5°	2380	2377	2379
10°	2395	2392	2393
15°	2414	2411	2411
20°	2435	2432	2432
25°	2456	2452	2452
30°	2474	2469	2468
35°	2481	2481	2478
40°	2465	2470	2465
45°	2416	2423	2419
50°	2335	2338	2332
55°	2222	2217	2213
60°	2063	2059	2042
65°	1843	1841	1820
70°	1575	1566	1531
75°	1255	1219	1181
80°	894	876	831
85°	580	580	565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	3.3
10°-20°	244.6	9.7
20°-30°	380.9	15.1
30°-40°	471.4	18.6
40°-50°	488.8	19.3
50°-60°	421.3	16.7
60°-70°	286.5	11.3
70°-80°	128.2	5.1
80°-90°	24.4	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°	709.4	28.0
0°-40°	1180.8	46.7
0°-60°	2091.0	82.6
0°-90°	2530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	881	880	880	880	881	84
15°	866	865	866	865	866	245
25°	827	826	826	826	826	381
35°	755	754	755	754	754	472
45°	635	634	637	635	636	489
55°	474	472	473	472	472	422
65°	289	292	289	288	286	287
75°	121	121	117	117	114	130
85°	19	19	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.8	881.8	881.8	881.8	881.8
2.5°	883.0	881.2	881.2	881.5	882.4
5°	881.2	879.5	880.1	879.8	880.6
7.5°	878.9	877.4	878.3	877.7	878.3
10°	876.5	875.0	875.3	875.0	875.9
12.5°	872.4	870.6	871.2	871.2	871.5
15°	866.5	865.0	865.6	865.0	865.6
17.5°	859.4	857.7	858.0	857.7	858.3
20°	850.3	849.1	849.4	848.8	849.1
22.5°	840.0	838.5	838.8	838.2	838.2
25°	827.3	826.2	825.9	825.6	825.9
27.5°	812.6	811.2	811.2	810.9	810.9
30°	796.1	794.7	794.7	794.4	794.4
32.5°	776.7	776.1	776.4	775.8	775.5
35°	755.2	754.3	755.2	754.0	754.3
37.5°	730.2	729.0	730.8	729.6	729.9
40°	701.6	701.0	703.1	702.2	701.6
42.5°	669.8	669.8	670.7	671.0	670.4
45°	634.8	634.2	636.6	635.1	635.7
47.5°	597.1	596.2	598.0	597.7	597.4
50°	557.7	557.1	558.5	557.1	557.1
52.5°	516.7	516.4	516.7	515.3	515.0
55°	473.7	472.0	472.6	471.7	471.7
57.5°	429.0	426.9	427.2	426.9	427.2
60°	383.3	382.8	382.5	381.0	379.5
62.5°	336.5	337.1	336.8	334.8	333.3
65°	289.4	291.8	289.1	288.2	285.9
67.5°	245.0	245.8	244.1	242.0	239.4
70°	200.2	202.0	199.0	197.0	194.6
72.5°	157.5	158.7	156.0	154.9	151.9
75°	120.7	121.0	117.2	116.6	113.6
77.5°	86.0	87.2	84.2	84.2	81.3
80°	57.7	59.8	56.5	55.6	53.6
82.5°	36.2	36.5	35.6	34.7	33.9
85°	18.8	19.4	18.8	18.3	18.3
87.5°	7.1	7.4	7.1	6.8	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)