

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: P412493

Luminaire Tested: **24PD-30-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PB1-L930
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

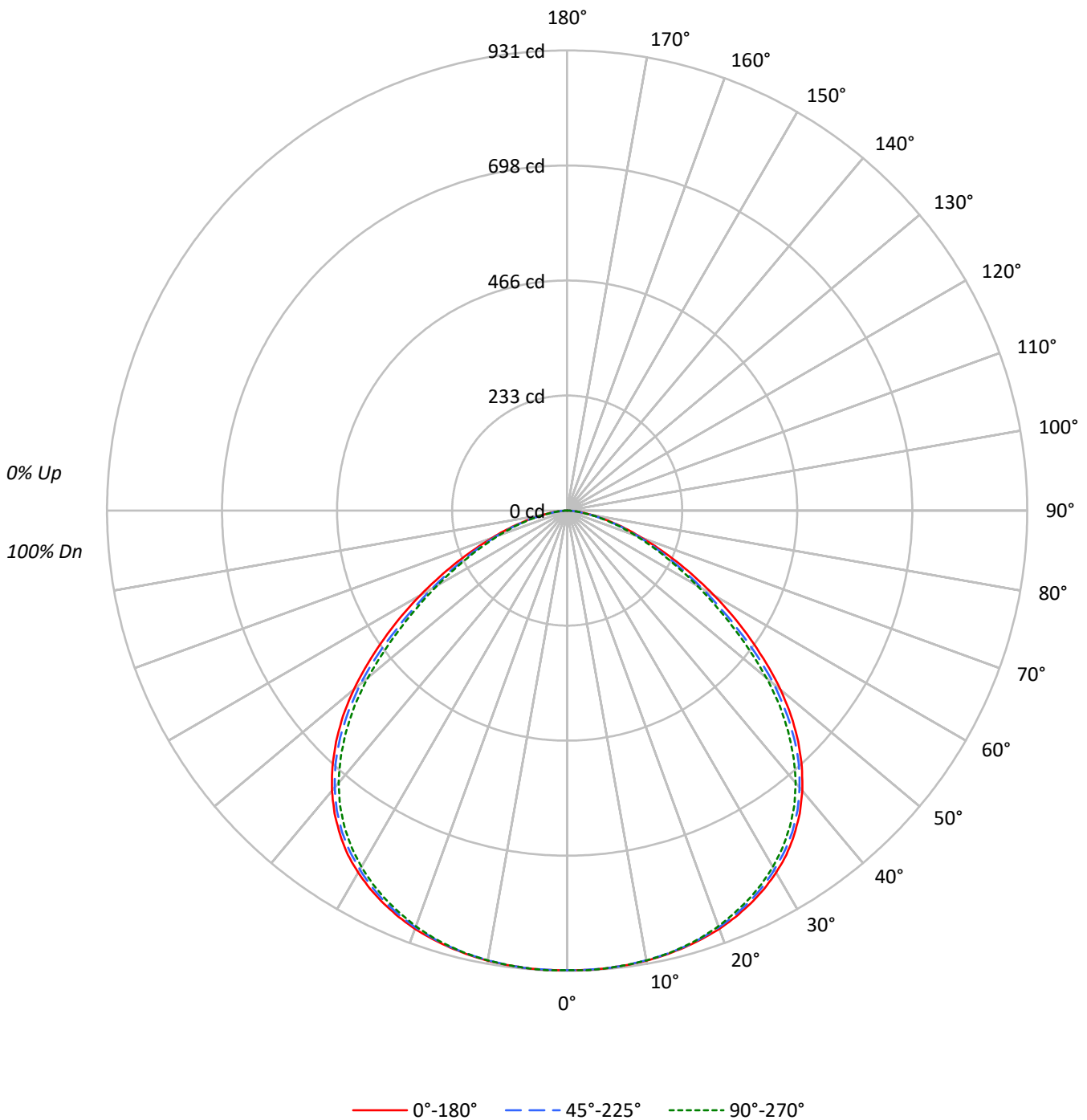
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2474.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1251	1251	1251
5°	1255	1255	1255
10°	1264	1262	1263
15°	1275	1273	1272
20°	1289	1285	1281
25°	1303	1296	1289
30°	1314	1303	1293
35°	1316	1304	1288
40°	1300	1285	1263
45°	1258	1235	1203
50°	1180	1143	1101
55°	1060	997	956
60°	923	850	817
65°	777	719	687
70°	633	601	577
75°	507	489	469
80°	390	359	349
85°	244	236	236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.6
10°-20°	258.4	10.4
20°-30°	402.5	16.3
30°-40°	495.2	20.0
40°-50°	497.4	20.1
50°-60°	383.3	15.5
60°-70°	227.6	9.2
70°-80°	101.3	4.1
80°-90°	19.8	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°	749.4	30.3
0°-40°	1244.6	50.3
0°-60°	2125.3	85.9
0°-90°	2474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	929	930	929	928	929	89
15°	915	915	914	912	913	259
25°	878	877	873	869	868	405
35°	801	800	794	787	784	500
45°	661	659	649	638	632	507
55°	452	443	425	412	408	404
65°	244	233	226	217	216	244
75°	98	96	94	91	90	106
85°	16	15	15	14	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.8	929.8	929.8	929.8	929.8
2.5°	930.3	930.0	930.0	929.0	931.0
5°	929.3	929.5	929.3	928.3	929.3
7.5°	927.3	927.5	927.1	926.1	927.1
10°	924.8	924.8	923.8	923.4	924.1
12.5°	920.6	920.6	919.7	918.9	919.7
15°	915.2	915.2	914.0	912.5	913.3
17.5°	908.6	908.6	906.6	904.6	905.1
20°	900.4	900.2	897.5	894.8	895.0
22.5°	890.1	889.8	886.4	883.2	882.2
25°	877.5	877.3	873.1	869.1	868.2
27.5°	863.0	862.0	857.3	852.9	851.9
30°	845.7	845.0	838.8	834.4	832.4
32.5°	825.8	823.8	818.1	812.7	810.0
35°	800.9	799.6	794.0	787.3	784.1
37.5°	772.8	771.6	765.4	758.0	754.3
40°	740.3	739.3	731.6	724.0	719.3
42.5°	702.8	702.1	693.9	683.3	678.4
45°	661.2	659.4	649.1	638.2	632.3
47.5°	614.8	611.9	599.3	589.0	582.5
50°	563.6	559.6	546.1	532.8	526.1
52.5°	508.1	501.2	487.2	471.9	465.5
55°	451.9	443.3	425.1	412.3	407.6
57.5°	397.0	384.4	367.2	358.1	353.4
60°	343.0	329.2	315.7	306.8	303.6
62.5°	291.5	279.9	268.4	259.5	257.5
65°	244.0	233.4	225.7	217.1	215.9
67.5°	199.6	194.7	187.8	180.4	179.4
70°	160.9	158.9	152.8	148.3	146.6
72.5°	128.4	126.4	122.0	118.8	118.3
75°	97.6	95.6	94.1	90.9	90.2
77.5°	69.5	69.7	68.5	66.8	67.3
80°	50.3	47.3	46.3	45.3	45.1
82.5°	30.8	29.1	28.3	28.1	28.6
85°	15.8	15.0	15.3	14.5	15.3
87.5°	5.4	5.4	5.7	5.4	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)