

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: P413179

Luminaire Tested: **24PD-30-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PC3-L940
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

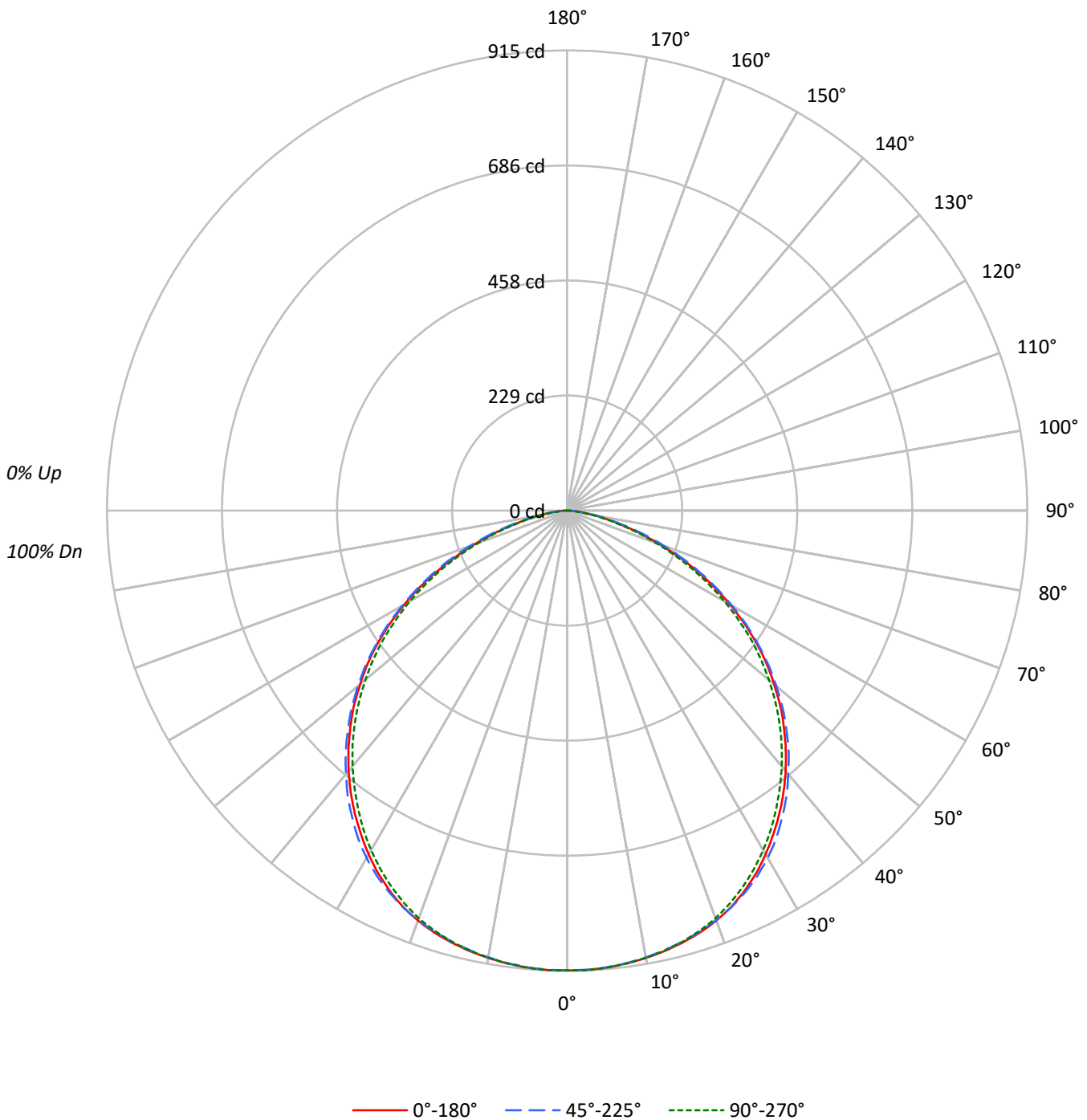
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1230	1230	1230
5°	1232	1231	1232
10°	1234	1232	1234
15°	1238	1236	1236
20°	1242	1241	1235
25°	1239	1243	1226
30°	1226	1239	1211
35°	1208	1224	1190
40°	1187	1202	1166
45°	1160	1173	1136
50°	1124	1137	1097
55°	1078	1088	1046
60°	1007	1018	972
65°	907	930	872
70°	770	804	739
75°	596	640	569
80°	443	463	402
85°	273	293	255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	3.5
10°-20°	250.7	10.0
20°-30°	384.0	15.4
30°-40°	461.9	18.5
40°-50°	471.0	18.8
50°-60°	408.3	16.3
60°-70°	283.1	11.3
70°-80°	129.3	5.2
80°-90°	23.9	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°	721.4	28.9
0°-40°	1183.4	47.4
0°-60°	2062.7	82.5
0°-90°	2499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	912	912	912	911	912	87
15°	889	889	887	886	887	251
25°	834	837	838	830	826	384
35°	736	744	745	736	725	460
45°	610	617	616	608	597	470
55°	460	462	464	452	446	410
65°	285	291	292	282	274	282
75°	115	121	123	119	109	125
85°	18	18	19	18	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.3	914.3	914.3	914.3	914.3
2.5°	914.3	914.3	913.8	913.2	914.8
5°	912.0	912.0	911.5	911.0	912.2
7.5°	908.4	908.2	907.7	907.2	907.9
10°	903.4	903.1	902.1	901.9	902.9
12.5°	897.0	896.8	895.3	895.3	896.0
15°	888.9	888.7	887.2	886.4	887.4
17.5°	879.8	879.6	877.8	875.8	876.3
20°	867.7	867.7	866.4	863.4	862.6
22.5°	853.0	853.7	853.7	847.9	845.6
25°	834.5	836.8	837.5	830.2	825.9
27.5°	813.5	817.0	819.0	809.7	804.1
30°	789.4	795.2	797.8	787.6	779.5
32.5°	763.1	770.4	773.5	763.6	753.2
35°	735.7	743.6	745.1	735.5	724.6
37.5°	706.6	714.7	716.7	708.1	694.7
40°	675.9	684.1	684.1	677.0	663.8
42.5°	643.5	652.1	651.9	643.3	631.4
45°	609.8	617.4	616.4	608.1	597.2
47.5°	575.1	580.0	581.2	571.4	561.0
50°	537.2	542.0	543.2	532.1	524.0
52.5°	499.7	502.7	504.5	491.6	485.7
55°	459.7	462.4	463.7	452.3	446.0
57.5°	417.4	420.9	422.4	411.0	403.9
60°	374.1	377.9	378.4	367.7	361.1
62.5°	330.0	335.1	336.1	325.4	317.6
65°	284.9	291.0	292.0	282.1	273.8
67.5°	239.8	247.9	248.2	240.1	230.2
70°	195.8	204.6	204.4	197.5	187.9
72.5°	153.7	161.8	163.6	157.3	147.9
75°	114.7	121.1	123.1	119.0	109.4
77.5°	81.5	87.4	89.1	85.3	78.3
80°	57.2	57.5	59.8	56.7	51.9
82.5°	35.5	34.9	35.7	34.4	31.7
85°	17.7	18.2	19.0	18.0	16.5
87.5°	6.1	6.3	6.8	6.8	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)