

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: P412832

Luminaire Tested: **24PD-30-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PP3-L840
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

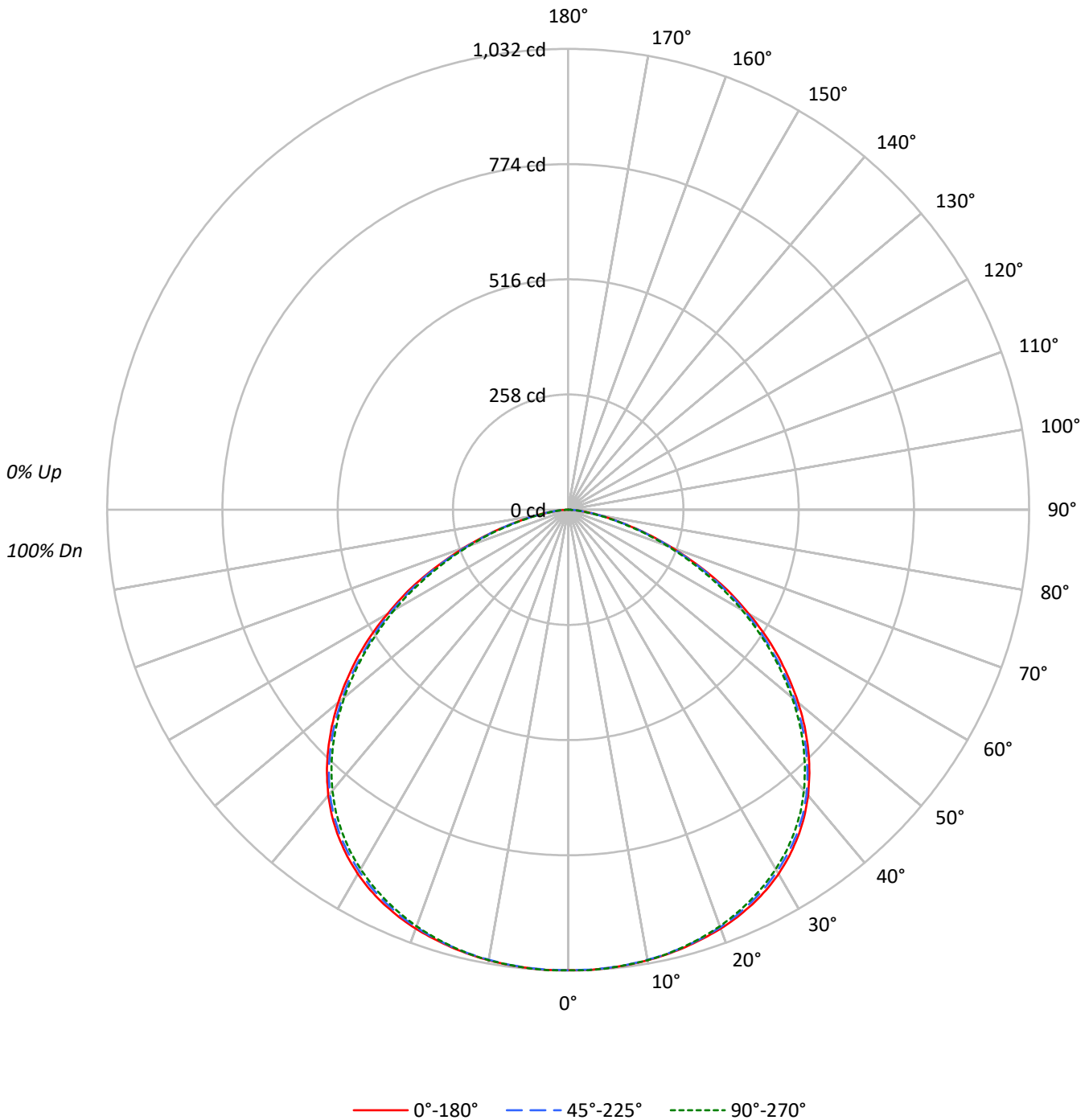
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3001.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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

TEST NUMBER: P412832
CATALOG NUMBER: 24PD-30-PP3-L840

Luminous Intensity Polar Plot





TEST NUMBER: P412832

CATALOG NUMBER: 24PD-30-PP3-L840

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	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
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°	1388	1388	1388
5°	1391	1391	1392
10°	1400	1398	1400
15°	1412	1410	1410
20°	1430	1425	1421
25°	1447	1440	1433
30°	1464	1453	1444
35°	1471	1463	1449
40°	1467	1459	1442
45°	1447	1432	1416
50°	1407	1384	1370
55°	1349	1316	1299
60°	1256	1235	1210
65°	1139	1116	1084
70°	972	954	924
75°	760	752	716
80°	560	537	507
85°	338	338	315



TEST NUMBER: P412832

CATALOG NUMBER: 24PD-30-PP3-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	3.3
10°-20°	286.3	9.5
20°-30°	447.5	14.9
30°-40°	556.2	18.5
40°-50°	579.5	19.3
50°-60°	502.9	16.8
60°-70°	345.8	11.5
70°-80°	156.1	5.2
80°-90°	28.6	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°	832.0	27.7
0°-40°	1388.2	46.3
0°-60°	2470.6	82.3
0°-90°	3001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1030	1030	1030	1029	1030	98
15°	1014	1014	1012	1012	1012	287
25°	975	975	970	966	965	450
35°	896	896	890	885	882	560
45°	760	760	753	747	744	585
55°	575	572	561	554	554	512
65°	358	356	351	342	340	353
75°	146	147	145	141	138	159
85°	22	22	22	22	20	30
90°	0	0	0	0	0	



TEST NUMBER: P412832

CATALOG NUMBER: 24PD-30-PP3-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.4	1031.4	1031.4	1031.4	1031.4
2.5°	1031.7	1031.7	1031.1	1030.2	1032.3
5°	1030.2	1030.5	1029.9	1029.0	1030.5
7.5°	1028.1	1028.4	1027.5	1026.6	1027.8
10°	1024.8	1024.5	1023.6	1023.0	1024.5
12.5°	1020.0	1019.7	1018.8	1018.2	1019.4
15°	1014.0	1014.0	1012.5	1011.6	1011.9
17.5°	1006.8	1006.8	1004.7	1002.6	1003.2
20°	998.4	998.1	995.1	993.0	992.7
22.5°	987.9	987.9	983.7	981.0	980.1
25°	975.0	974.7	969.9	966.0	965.4
27.5°	960.3	959.7	954.0	950.1	948.6
30°	942.0	941.4	935.4	931.2	929.4
32.5°	920.4	921.3	914.4	909.6	907.8
35°	895.8	895.8	890.4	885.3	882.3
37.5°	867.6	867.6	862.5	857.4	853.8
40°	835.5	835.8	830.4	824.1	821.1
42.5°	799.5	800.1	792.9	787.8	784.5
45°	760.2	760.5	752.7	747.1	744.4
47.5°	717.7	717.1	708.4	703.6	700.9
50°	672.1	670.9	661.3	656.8	654.4
52.5°	624.4	622.0	613.6	607.0	604.9
55°	574.9	571.6	561.1	554.5	553.9
57.5°	523.3	519.4	510.7	504.4	502.0
60°	466.9	466.0	458.8	451.3	449.6
62.5°	414.2	411.5	405.2	396.2	395.3
65°	357.8	356.3	350.6	342.2	340.4
67.5°	299.6	301.1	296.3	288.8	286.4
70°	247.1	248.0	242.6	235.7	234.8
72.5°	194.3	195.8	191.3	186.8	185.9
75°	146.1	146.7	144.6	140.7	137.7
77.5°	103.8	105.9	103.5	100.8	98.4
80°	72.3	69.0	69.3	68.1	65.4
82.5°	43.5	42.0	41.7	40.5	39.3
85°	21.9	21.6	21.9	21.6	20.4
87.5°	7.2	7.8	8.1	8.1	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)