

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: P413228

Luminaire Tested: **24PD-60-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413228
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-60-PC3-L840
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

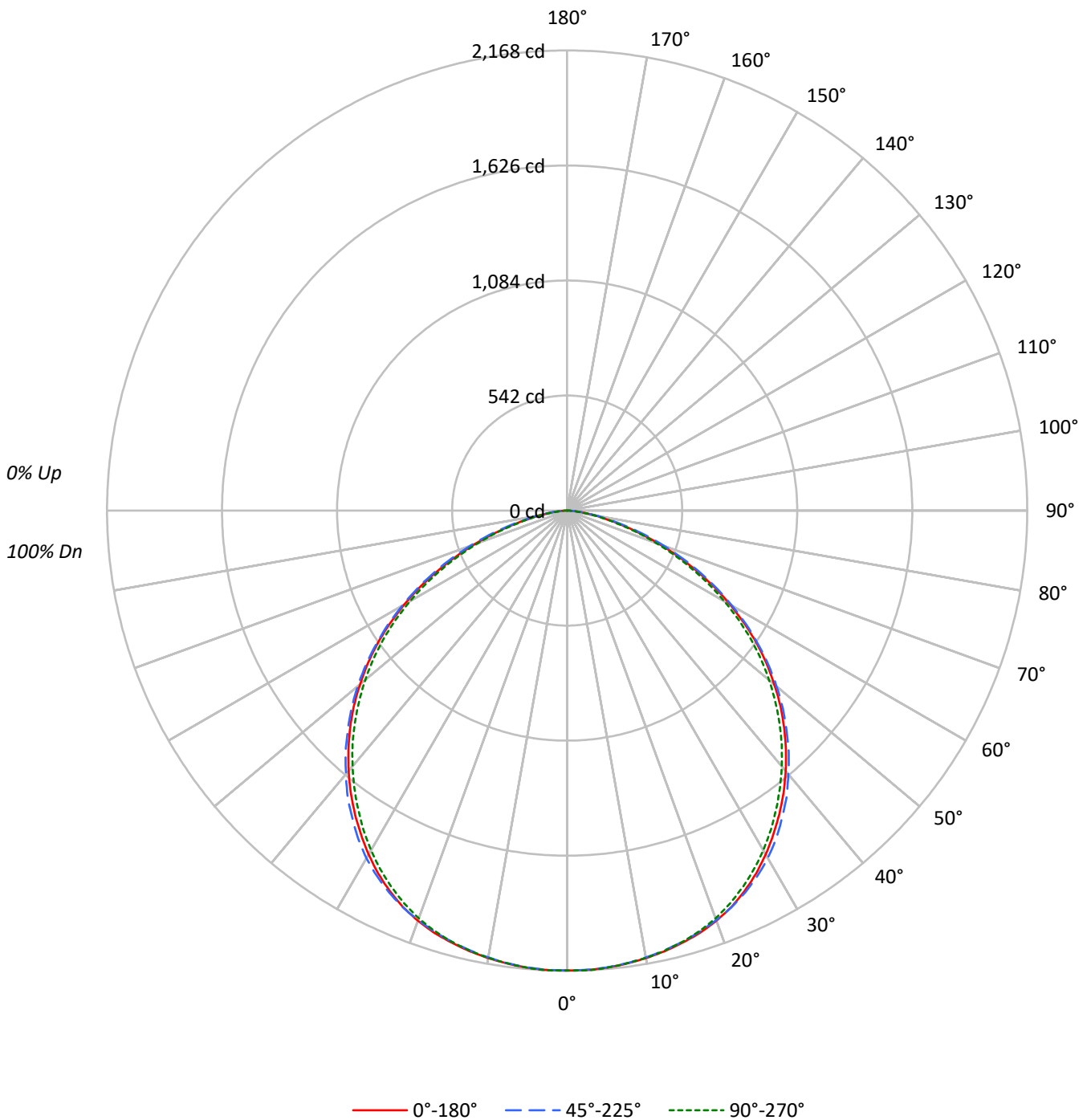
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5923.0 lumens
Efficiency: N/A
Efficacy: 130.5 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): 45.4
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: P413228
CATALOG NUMBER: 24PD-60-PC3-L840

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°	2916	2916	2916
5°	2919	2918	2920
10°	2925	2921	2924
15°	2935	2929	2930
20°	2945	2940	2927
25°	2936	2947	2906
30°	2907	2938	2871
35°	2864	2901	2821
40°	2814	2848	2763
45°	2750	2780	2693
50°	2665	2695	2600
55°	2556	2578	2480
60°	2386	2413	2303
65°	2150	2203	2066
70°	1825	1906	1752
75°	1413	1516	1348
80°	1051	1098	954
85°	648	695	602



TEST NUMBER: P413228

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	3.5
10°-20°	594.3	10.0
20°-30°	910.1	15.4
30°-40°	1094.8	18.5
40°-50°	1116.4	18.8
50°-60°	967.9	16.3
60°-70°	671.0	11.3
70°-80°	306.5	5.2
80°-90°	56.6	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°	1709.9	28.9
0°-40°	2804.7	47.4
0°-60°	4888.9	82.5
0°-90°	5923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2167	2167	2167	2167	2167	
5°	2162	2162	2160	2159	2162	206
15°	2107	2106	2103	2101	2103	595
25°	1978	1983	1985	1968	1957	911
35°	1744	1762	1766	1743	1717	1090
45°	1445	1463	1461	1441	1415	1114
55°	1090	1096	1099	1072	1057	971
65°	675	690	692	669	649	668
75°	272	287	292	282	259	297
85°	42	43	45	43	39	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2166.9	2166.9	2166.9	2166.9	2166.9
2.5°	2166.9	2166.9	2165.7	2164.5	2168.1
5°	2161.5	2161.5	2160.3	2159.1	2162.1
7.5°	2153.1	2152.5	2151.3	2150.1	2151.9
10°	2141.1	2140.5	2138.1	2137.5	2139.9
12.5°	2126.1	2125.5	2121.9	2121.9	2123.7
15°	2106.9	2106.3	2102.7	2100.9	2103.3
17.5°	2085.3	2084.7	2080.5	2075.7	2076.9
20°	2056.5	2056.5	2053.5	2046.3	2044.5
22.5°	2021.7	2023.5	2023.5	2009.7	2004.3
25°	1977.9	1983.3	1985.1	1967.6	1957.4
27.5°	1928.0	1936.4	1941.2	1919.0	1905.8
30°	1871.0	1884.8	1890.8	1866.8	1847.6
32.5°	1808.6	1826.0	1833.2	1809.8	1785.2
35°	1743.8	1762.4	1766.0	1743.2	1717.3
37.5°	1674.7	1693.9	1698.7	1678.3	1646.5
40°	1602.1	1621.3	1621.3	1604.5	1573.3
42.5°	1525.3	1545.7	1545.1	1524.7	1496.4
45°	1445.4	1463.4	1461.0	1441.2	1415.4
47.5°	1363.2	1374.6	1377.6	1354.2	1329.6
50°	1273.1	1284.6	1287.6	1261.1	1241.9
52.5°	1184.3	1191.5	1195.7	1165.1	1151.3
55°	1089.5	1096.1	1099.1	1072.1	1057.1
57.5°	989.2	997.6	1001.2	974.2	957.4
60°	886.6	895.6	896.8	871.6	856.0
62.5°	782.1	794.1	796.5	771.3	752.7
65°	675.3	689.7	692.1	668.7	648.9
67.5°	568.4	587.7	588.3	569.0	545.6
70°	464.0	485.0	484.4	468.2	445.4
72.5°	364.4	383.6	387.8	372.8	350.6
75°	271.9	286.9	291.7	282.1	259.3
77.5°	193.3	207.1	211.3	202.3	185.5
80°	135.7	136.3	141.7	134.5	123.1
82.5°	84.0	82.8	84.6	81.6	75.0
85°	42.0	43.2	45.0	42.6	39.0
87.5°	14.4	15.0	16.2	16.2	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)