

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: P413226

Luminaire Tested: **24PD-60-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413226
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-L830
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

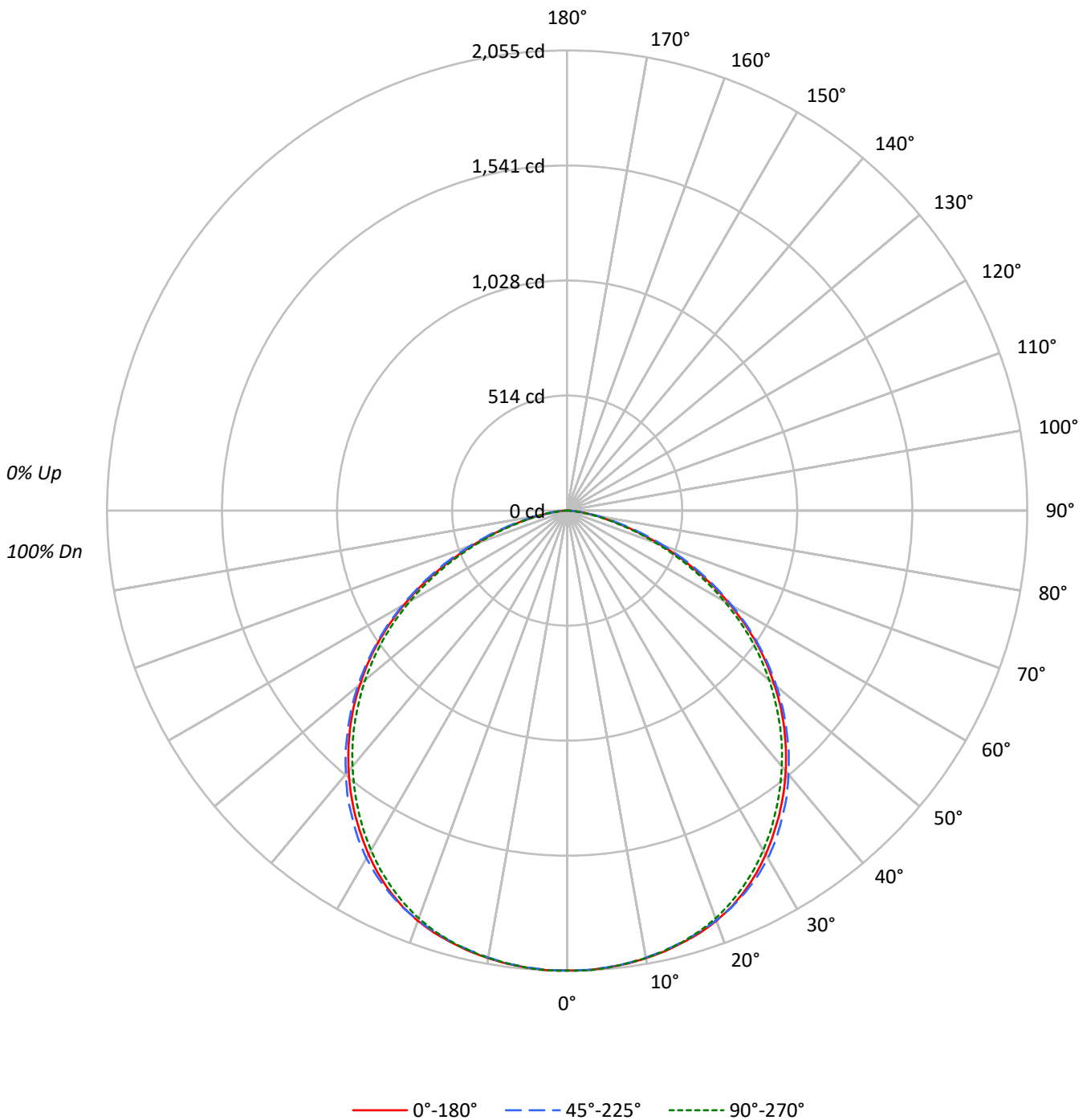
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5615.0 lumens
Efficiency: N/A
Efficacy: 123.7 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

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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°	2764	2764	2764
5°	2768	2766	2768
10°	2773	2769	2772
15°	2782	2777	2777
20°	2791	2787	2775
25°	2784	2794	2755
30°	2756	2785	2721
35°	2715	2750	2674
40°	2668	2700	2620
45°	2607	2636	2553
50°	2526	2555	2465
55°	2423	2444	2351
60°	2262	2288	2184
65°	2038	2089	1958
70°	1731	1806	1661
75°	1340	1438	1278
80°	996	1041	904
85°	614	659	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	3.5
10°-20°	563.4	10.0
20°-30°	862.7	15.4
30°-40°	1037.9	18.5
40°-50°	1058.3	18.8
50°-60°	917.5	16.3
60°-70°	636.1	11.3
70°-80°	290.5	5.2
80°-90°	53.7	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°	1621.0	28.9
0°-40°	2658.8	47.4
0°-60°	4634.7	82.5
0°-90°	5615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2049	2049	2048	2047	2050	195
15°	1997	1997	1993	1992	1994	564
25°	1875	1880	1882	1865	1856	863
35°	1653	1671	1674	1652	1628	1034
45°	1370	1387	1385	1366	1342	1056
55°	1033	1039	1042	1016	1002	920
65°	640	654	656	634	615	633
75°	258	272	277	268	246	282
85°	40	41	43	40	37	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2054.3	2054.3	2054.3	2054.3	2054.3
2.5°	2054.3	2054.3	2053.1	2052.0	2055.4
5°	2049.1	2049.1	2048.0	2046.9	2049.7
7.5°	2041.2	2040.6	2039.5	2038.3	2040.0
10°	2029.8	2029.2	2026.9	2026.4	2028.6
12.5°	2015.6	2015.0	2011.6	2011.6	2013.3
15°	1997.3	1996.8	1993.4	1991.7	1993.9
17.5°	1976.9	1976.3	1972.3	1967.8	1968.9
20°	1949.5	1949.5	1946.7	1939.9	1938.2
22.5°	1916.5	1918.3	1918.3	1905.2	1900.0
25°	1875.0	1880.1	1881.8	1865.3	1855.7
27.5°	1827.8	1835.7	1840.3	1819.2	1806.7
30°	1773.7	1786.8	1792.5	1769.7	1751.5
32.5°	1714.5	1731.0	1737.9	1715.7	1692.3
35°	1653.1	1670.7	1674.1	1652.5	1628.0
37.5°	1587.6	1605.8	1610.4	1591.1	1560.9
40°	1518.8	1537.0	1537.0	1521.1	1491.5
42.5°	1445.9	1465.3	1464.7	1445.4	1418.6
45°	1370.3	1387.3	1385.1	1366.3	1341.8
47.5°	1292.3	1303.1	1306.0	1283.8	1260.4
50°	1206.9	1217.8	1220.6	1195.6	1177.4
52.5°	1122.7	1129.6	1133.5	1104.5	1091.4
55°	1032.8	1039.1	1041.9	1016.3	1002.1
57.5°	937.8	945.8	949.2	923.6	907.6
60°	840.5	849.0	850.2	826.3	811.5
62.5°	741.5	752.8	755.1	731.2	713.6
65°	640.2	653.8	656.1	633.9	615.1
67.5°	538.9	557.1	557.7	539.5	517.3
70°	439.9	459.8	459.2	443.9	422.2
72.5°	345.4	363.6	367.6	353.4	332.3
75°	257.8	272.0	276.6	267.5	245.8
77.5°	183.2	196.3	200.3	191.8	175.8
80°	128.6	129.2	134.3	127.5	116.7
82.5°	79.7	78.5	80.2	77.4	71.1
85°	39.8	41.0	42.7	40.4	37.0
87.5°	13.7	14.2	15.4	15.4	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)