

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: P413235

Luminaire Tested: **24PD-65-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413235
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-65-PC3-L830
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

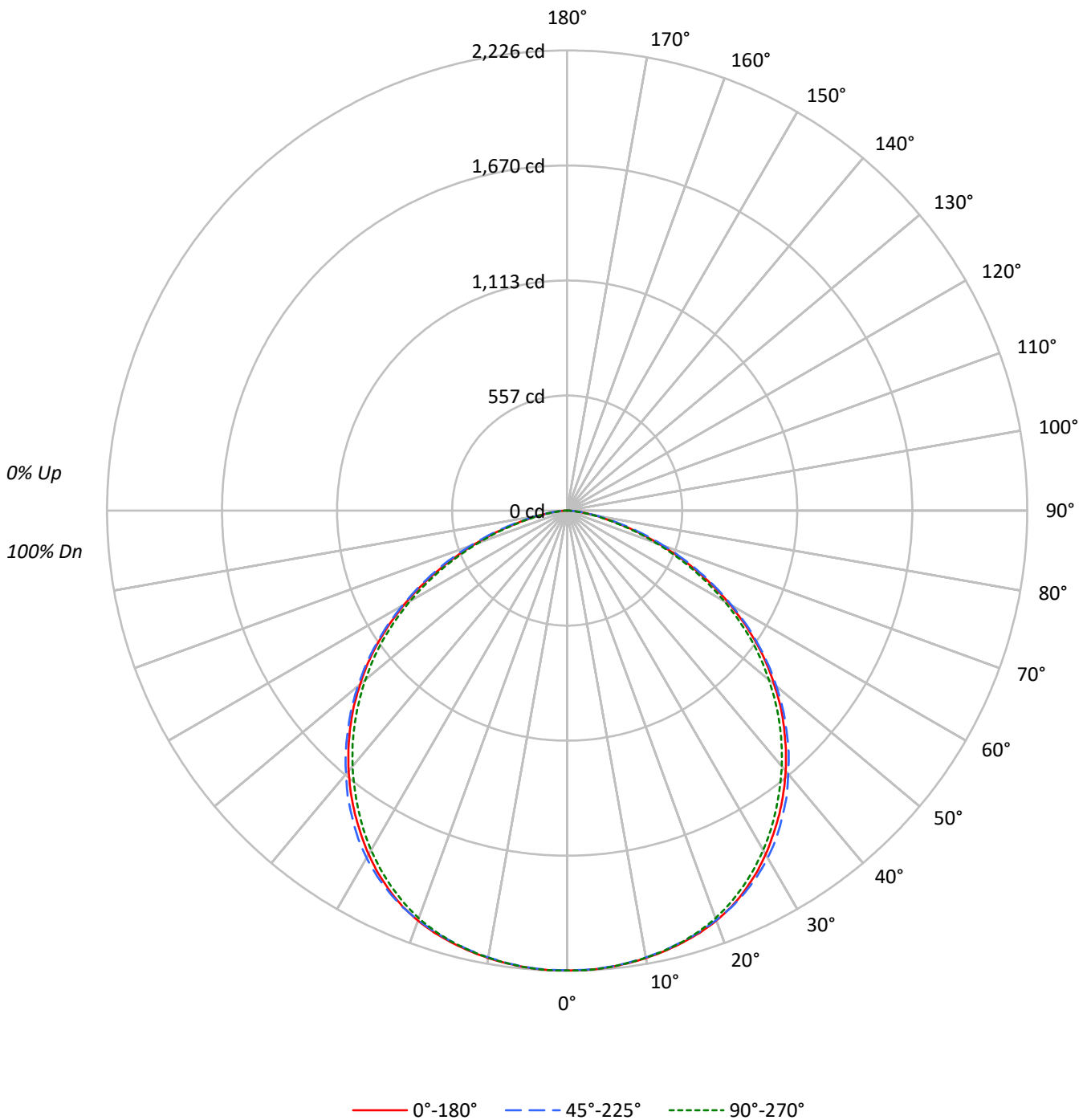
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6080.0 lumens
Efficiency: N/A
Efficacy: 122.3 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): 49.7
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°	2993	2993	2993
5°	2997	2995	2998
10°	3003	2999	3001
15°	3013	3007	3008
20°	3023	3018	3005
25°	3014	3025	2983
30°	2984	3015	2947
35°	2940	2978	2896
40°	2889	2923	2837
45°	2823	2854	2765
50°	2736	2767	2669
55°	2623	2647	2545
60°	2449	2477	2365
65°	2207	2262	2121
70°	1874	1956	1799
75°	1451	1557	1384
80°	1079	1127	979
85°	665	713	619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	3.5
10°-20°	610.0	10.0
20°-30°	934.2	15.4
30°-40°	1123.8	18.5
40°-50°	1146.0	18.8
50°-60°	993.5	16.3
60°-70°	688.8	11.3
70°-80°	314.6	5.2
80°-90°	58.1	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°	1755.2	28.9
0°-40°	2879.0	47.4
0°-60°	5018.5	82.5
0°-90°	6080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6080.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2224	2224	2224	2224	2224	
5°	2219	2219	2218	2216	2219	211
15°	2163	2162	2158	2157	2159	611
25°	2030	2036	2038	2020	2009	935
35°	1790	1809	1813	1789	1763	1119
45°	1484	1502	1500	1479	1453	1143
55°	1118	1125	1128	1100	1085	996
65°	693	708	710	686	666	685
75°	279	294	300	290	266	305
85°	43	44	46	44	40	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2224.4	2224.4	2224.4	2224.4	2224.4
2.5°	2224.4	2224.4	2223.1	2221.9	2225.6
5°	2218.8	2218.8	2217.6	2216.4	2219.4
7.5°	2210.2	2209.6	2208.4	2207.1	2209.0
10°	2197.9	2197.3	2194.8	2194.2	2196.6
12.5°	2182.5	2181.9	2178.2	2178.2	2180.0
15°	2162.8	2162.1	2158.4	2156.6	2159.1
17.5°	2140.6	2140.0	2135.6	2130.7	2131.9
20°	2111.0	2111.0	2107.9	2100.5	2098.7
22.5°	2075.3	2077.1	2077.1	2062.9	2057.4
25°	2030.3	2035.8	2037.7	2019.8	2009.3
27.5°	1979.1	1987.8	1992.7	1969.9	1956.3
30°	1920.6	1934.8	1940.9	1916.3	1896.6
32.5°	1856.5	1874.4	1881.8	1857.8	1832.5
35°	1790.0	1809.1	1812.8	1789.4	1762.9
37.5°	1719.1	1738.8	1743.8	1722.8	1690.2
40°	1644.6	1664.3	1664.3	1647.0	1615.0
42.5°	1565.7	1586.6	1586.0	1565.1	1536.1
45°	1483.7	1502.2	1499.8	1479.4	1452.9
47.5°	1399.3	1411.0	1414.1	1390.1	1364.8
50°	1306.9	1318.6	1321.7	1294.6	1274.9
52.5°	1215.7	1223.1	1227.4	1196.0	1181.8
55°	1118.3	1125.1	1128.2	1100.5	1085.1
57.5°	1015.4	1024.1	1027.8	1000.0	982.8
60°	910.1	919.3	920.6	894.7	878.7
62.5°	802.9	815.2	817.7	791.8	772.7
65°	693.2	708.0	710.4	686.4	666.1
67.5°	583.5	603.2	603.8	584.1	560.1
70°	476.3	497.9	497.2	480.6	457.2
72.5°	374.0	393.7	398.0	382.6	359.8
75°	279.1	294.5	299.5	289.6	266.2
77.5°	198.4	212.6	216.9	207.6	190.4
80°	139.3	139.9	145.4	138.0	126.3
82.5°	86.3	85.0	86.9	83.8	77.0
85°	43.1	44.4	46.2	43.7	40.1
87.5°	14.8	15.4	16.6	16.6	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)