

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: P413241

Luminaire Tested: **24PD-65-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413241
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-L935
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

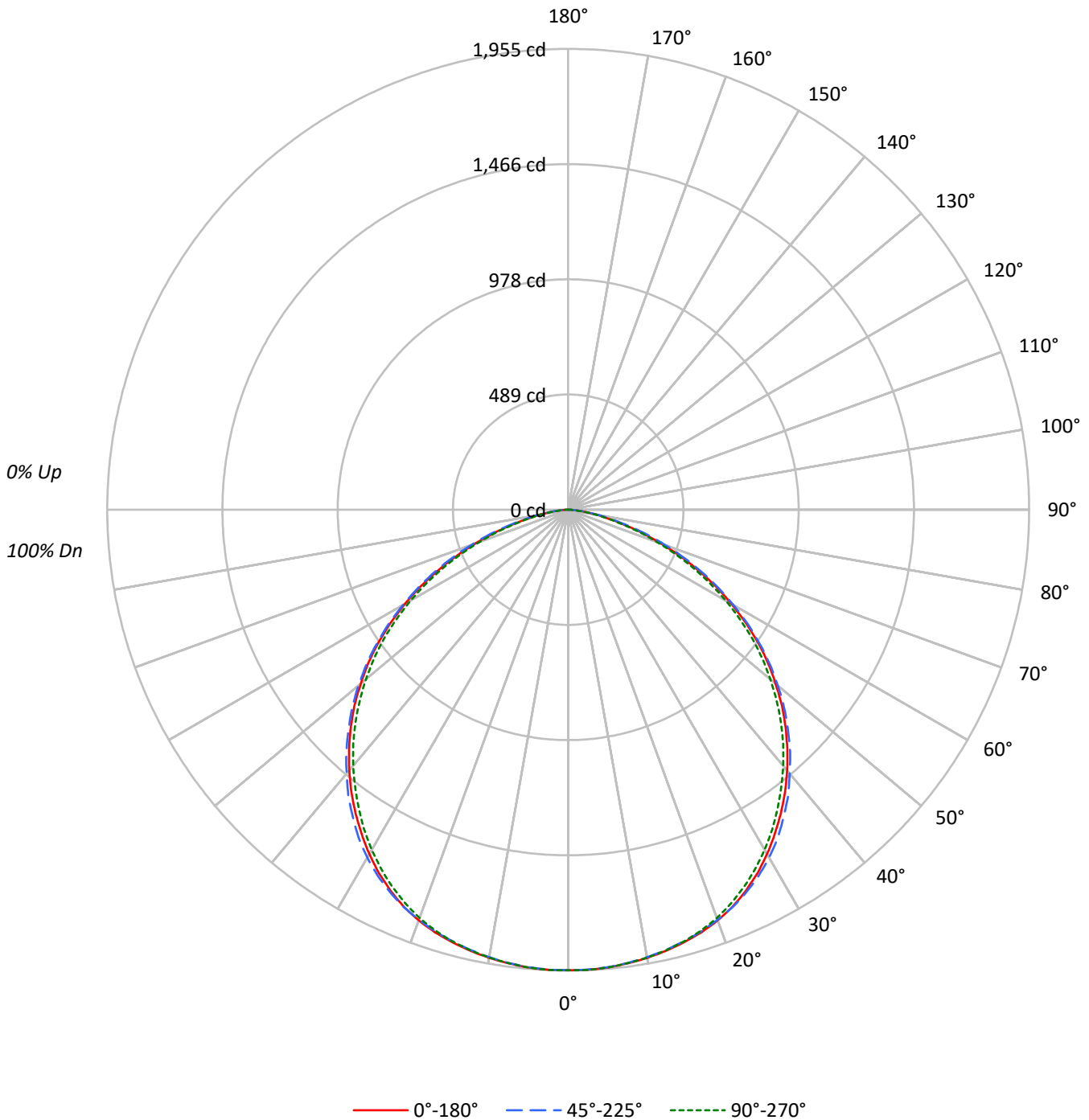
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5340.0 lumens
Efficiency: N/A
Efficacy: 107.4 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 (A_{in}): 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°	2629	2629	2629
5°	2632	2631	2633
10°	2637	2634	2636
15°	2646	2641	2641
20°	2655	2651	2639
25°	2647	2657	2620
30°	2621	2648	2588
35°	2582	2615	2543
40°	2537	2567	2491
45°	2480	2506	2428
50°	2403	2430	2344
55°	2304	2324	2236
60°	2151	2176	2077
65°	1938	1987	1862
70°	1646	1718	1580
75°	1275	1367	1215
80°	948	989	859
85°	585	627	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	3.5
10°-20°	535.8	10.0
20°-30°	820.5	15.4
30°-40°	987.1	18.5
40°-50°	1006.5	18.8
50°-60°	872.6	16.3
60°-70°	605.0	11.3
70°-80°	276.3	5.2
80°-90°	51.0	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°	1541.6	28.9
0°-40°	2528.6	47.4
0°-60°	4407.7	82.5
0°-90°	5340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1949	1949	1948	1947	1949	185
15°	1900	1899	1896	1894	1896	537
25°	1783	1788	1790	1774	1765	821
35°	1572	1589	1592	1572	1548	983
45°	1303	1319	1317	1299	1276	1004
55°	982	988	991	966	953	875
65°	609	622	624	603	585	602
75°	245	259	263	254	234	268
85°	38	39	41	38	35	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1953.6	1953.6	1953.6	1953.6	1953.6
2.5°	1953.6	1953.6	1952.6	1951.5	1954.7
5°	1948.8	1948.8	1947.7	1946.6	1949.3
7.5°	1941.2	1940.7	1939.6	1938.5	1940.1
10°	1930.4	1929.8	1927.7	1927.1	1929.3
12.5°	1916.8	1916.3	1913.1	1913.1	1914.7
15°	1899.5	1899.0	1895.7	1894.1	1896.3
17.5°	1880.0	1879.5	1875.7	1871.4	1872.5
20°	1854.1	1854.1	1851.4	1844.9	1843.2
22.5°	1822.7	1824.3	1824.3	1811.9	1807.0
25°	1783.2	1788.0	1789.7	1774.0	1764.8
27.5°	1738.3	1745.8	1750.2	1730.1	1718.2
30°	1686.8	1699.3	1704.7	1683.1	1665.7
32.5°	1630.6	1646.3	1652.8	1631.6	1609.5
35°	1572.1	1588.9	1592.1	1571.6	1548.3
37.5°	1509.9	1527.2	1531.5	1513.1	1484.4
40°	1444.4	1461.7	1461.7	1446.6	1418.4
42.5°	1375.1	1393.5	1393.0	1374.6	1349.2
45°	1303.2	1319.4	1317.2	1299.4	1276.1
47.5°	1229.0	1239.3	1242.0	1220.9	1198.7
50°	1147.8	1158.1	1160.8	1137.0	1119.7
52.5°	1067.7	1074.2	1078.0	1050.4	1038.0
55°	982.2	988.2	990.9	966.5	953.0
57.5°	891.9	899.4	902.7	878.3	863.2
60°	799.3	807.4	808.5	785.8	771.7
62.5°	705.2	716.0	718.1	695.4	678.6
65°	608.8	621.8	624.0	602.9	585.0
67.5°	512.5	529.8	530.4	513.0	491.9
70°	418.3	437.3	436.7	422.1	401.6
72.5°	328.5	345.8	349.6	336.1	316.0
75°	245.2	258.7	263.0	254.4	233.8
77.5°	174.3	186.7	190.5	182.4	167.2
80°	122.3	122.8	127.7	121.2	110.9
82.5°	75.8	74.7	76.3	73.6	67.6
85°	37.9	39.0	40.6	38.4	35.2
87.5°	13.0	13.5	14.6	14.6	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)