

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: P412439

Luminaire Tested: **22PD-65-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-65-PB1-L930
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

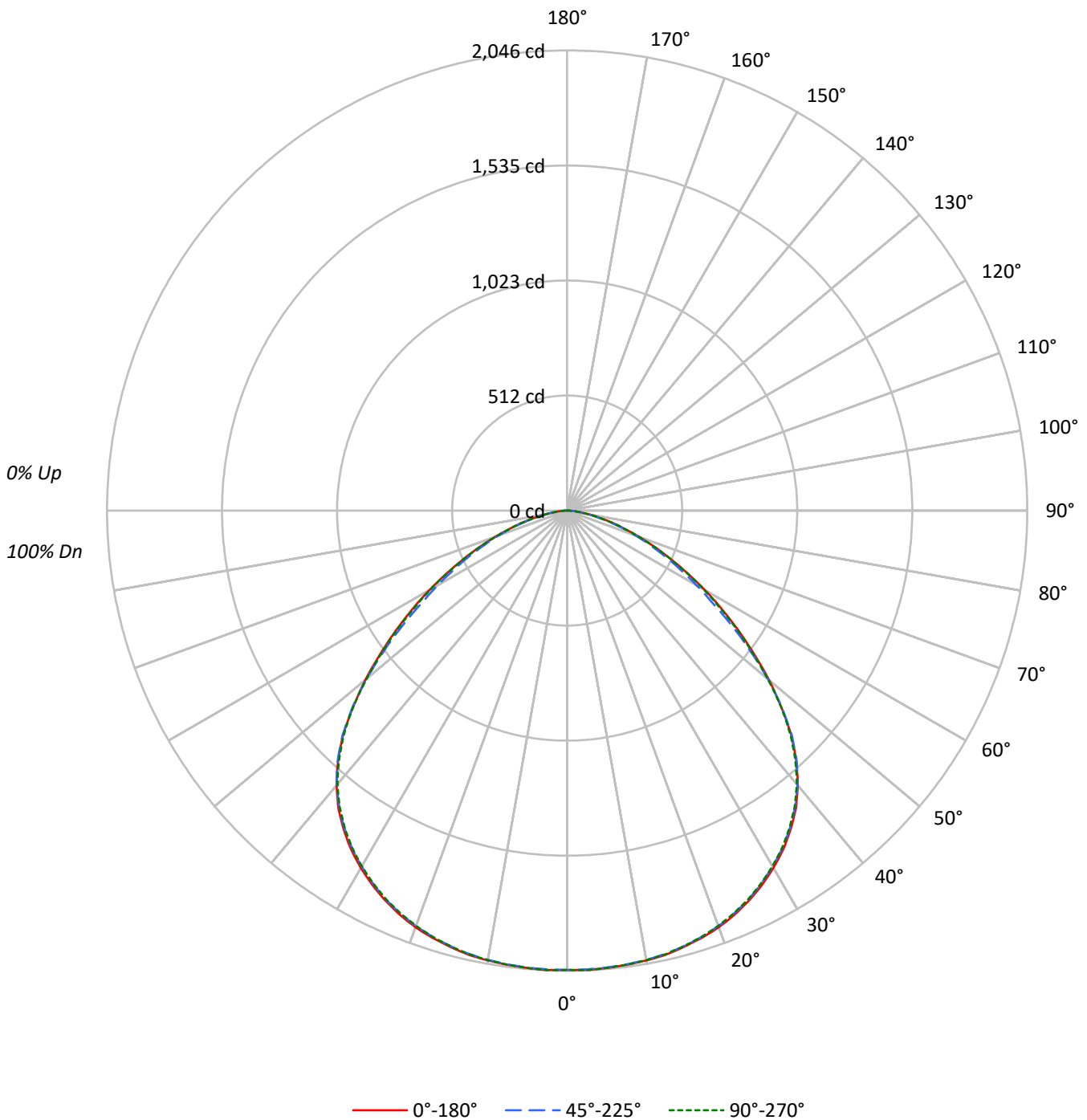
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5362.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5496	5496	5496
5°	5514	5508	5515
10°	5550	5543	5546
15°	5595	5586	5586
20°	5646	5630	5626
25°	5682	5665	5659
30°	5701	5677	5673
35°	5689	5672	5662
40°	5604	5597	5579
45°	5357	5374	5333
50°	4904	4878	4873
55°	4358	4204	4329
60°	3800	3569	3776
65°	3221	3048	3205
70°	2663	2554	2638
75°	2153	2016	2068
80°	1556	1508	1497
85°	1013	1013	976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	3.6
10°-20°	566.8	10.6
20°-30°	879.5	16.4
30°-40°	1078.5	20.1
40°-50°	1078.1	20.1
50°-60°	816.6	15.2
60°-70°	489.8	9.1
70°-80°	215.6	4.0
80°-90°	42.8	0.8
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°	1640.6	30.6
0°-40°	2719.1	50.7
0°-60°	4613.8	86.0
0°-90°	5362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2042	2042	2042	2042	2042	
5°	2041	2039	2039	2039	2042	195
15°	2008	2006	2005	2004	2005	568
25°	1914	1910	1908	1905	1906	882
35°	1732	1731	1727	1725	1724	1082
45°	1408	1410	1412	1408	1401	1078
55°	929	909	896	908	923	833
65°	506	488	479	487	503	506
75°	207	203	194	197	199	221
85°	33	34	33	32	32	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2042.4	2042.4	2042.4	2042.4	2042.4
2.5°	2044.3	2041.1	2041.7	2041.7	2045.5
5°	2041.1	2038.6	2039.2	2038.6	2041.7
7.5°	2036.7	2034.2	2034.8	2034.2	2036.1
10°	2031.0	2028.5	2028.5	2027.2	2029.7
12.5°	2023.4	2020.3	2019.0	2018.4	2020.3
15°	2008.3	2006.4	2005.1	2003.9	2005.1
17.5°	1991.9	1988.7	1987.4	1984.9	1987.4
20°	1971.6	1967.2	1966.0	1964.1	1964.7
22.5°	1945.1	1941.3	1939.4	1936.3	1937.5
25°	1913.5	1909.8	1907.9	1904.7	1906.0
27.5°	1876.9	1874.4	1870.0	1867.4	1868.1
30°	1834.6	1832.1	1827.0	1825.8	1825.8
32.5°	1787.9	1784.7	1780.3	1779.0	1778.4
35°	1731.7	1731.0	1726.6	1725.4	1723.5
37.5°	1670.4	1669.1	1664.1	1662.8	1660.9
40°	1595.3	1594.0	1593.4	1590.8	1588.3
42.5°	1508.1	1510.0	1511.3	1506.2	1501.2
45°	1407.7	1409.6	1412.1	1408.3	1401.4
47.5°	1290.2	1297.8	1294.0	1296.5	1289.6
50°	1171.5	1171.5	1165.2	1167.7	1163.9
52.5°	1047.1	1037.0	1029.4	1034.5	1039.5
55°	929.0	908.8	896.1	908.1	922.7
57.5°	815.9	791.9	768.6	787.5	805.2
60°	706.1	678.3	663.1	677.0	701.6
62.5°	601.9	581.6	566.5	577.2	598.1
65°	505.9	488.2	478.7	486.9	503.3
67.5°	418.1	406.1	396.6	403.6	416.2
70°	338.5	335.3	324.6	327.8	335.3
72.5°	265.9	265.2	255.8	258.3	262.7
75°	207.1	202.7	193.9	197.0	198.9
77.5°	146.5	148.4	140.2	142.1	142.1
80°	100.4	103.6	97.3	96.0	96.6
82.5°	63.8	63.8	63.2	62.5	60.6
85°	32.8	34.1	32.8	31.6	31.6
87.5°	12.6	12.6	12.6	12.0	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)