

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: P412556

Luminaire Tested: **24PD-65-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-65-PB1-L930
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

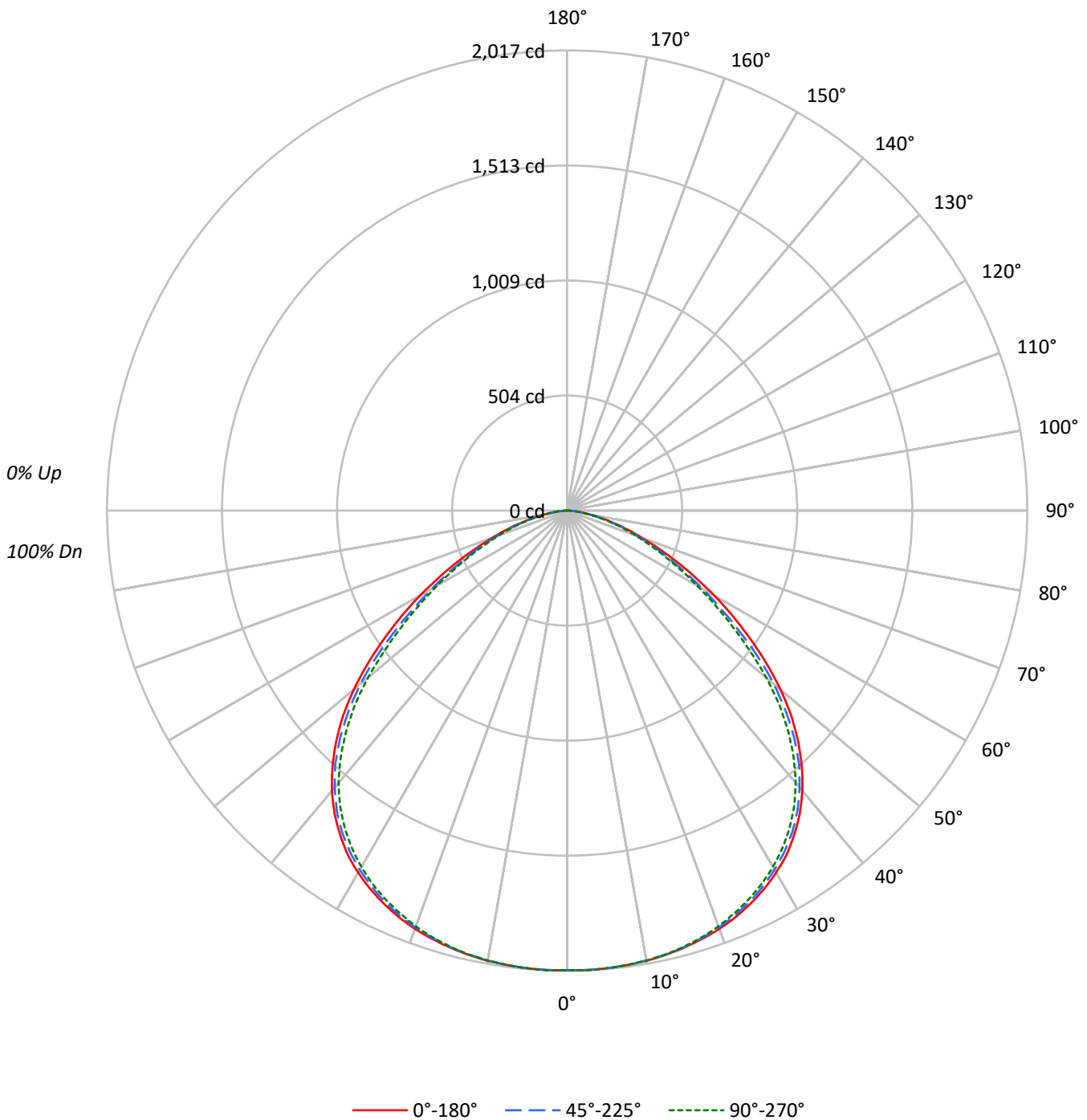
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5361.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
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	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	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2711	2711	2711
5°	2720	2720	2720
10°	2738	2735	2736
15°	2763	2759	2757
20°	2794	2785	2777
25°	2823	2809	2793
30°	2847	2824	2802
35°	2851	2826	2791
40°	2817	2785	2738
45°	2726	2676	2607
50°	2556	2477	2386
55°	2297	2161	2072
60°	2000	1841	1770
65°	1683	1557	1489
70°	1372	1303	1250
75°	1099	1061	1016
80°	844	778	757
85°	528	511	511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	3.6
10°-20°	559.9	10.4
20°-30°	872.2	16.3
30°-40°	1073.0	20.0
40°-50°	1077.8	20.1
50°-60°	830.7	15.5
60°-70°	493.1	9.2
70°-80°	219.6	4.1
80°-90°	42.9	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°	1623.9	30.3
0°-40°	2696.9	50.3
0°-60°	4605.4	85.9
0°-90°	5361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2015	2015	2015	2015	2015	
5°	2014	2014	2014	2012	2014	192
15°	1983	1983	1981	1977	1979	561
25°	1902	1901	1892	1883	1881	877
35°	1736	1733	1720	1706	1699	1084
45°	1433	1429	1406	1383	1370	1100
55°	979	961	921	893	883	876
65°	529	506	489	470	468	528
75°	212	207	204	197	195	229
85°	34	33	33	32	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.7	2014.7	2014.7	2014.7	2014.7
2.5°	2015.8	2015.3	2015.3	2013.1	2017.4
5°	2013.7	2014.2	2013.7	2011.5	2013.7
7.5°	2009.4	2009.9	2008.9	2006.7	2008.9
10°	2004.1	2004.1	2001.9	2000.8	2002.5
12.5°	1995.0	1995.0	1992.8	1991.2	1992.8
15°	1983.2	1983.2	1980.6	1977.4	1979.0
17.5°	1968.8	1968.8	1964.5	1960.3	1961.3
20°	1951.2	1950.7	1944.8	1938.9	1939.4
22.5°	1928.8	1928.2	1920.8	1913.8	1911.7
25°	1901.5	1901.0	1891.9	1883.4	1881.2
27.5°	1870.0	1867.9	1857.7	1848.1	1846.0
30°	1832.6	1831.0	1817.7	1808.1	1803.8
32.5°	1789.4	1785.1	1772.8	1761.1	1755.2
35°	1735.5	1732.8	1720.5	1706.1	1699.1
37.5°	1674.6	1671.9	1658.6	1642.5	1634.5
40°	1604.1	1602.0	1585.4	1568.9	1558.7
42.5°	1522.9	1521.3	1503.7	1480.7	1470.1
45°	1432.7	1428.9	1406.5	1383.0	1370.2
47.5°	1332.3	1325.9	1298.7	1276.2	1262.3
50°	1221.2	1212.7	1183.3	1154.5	1140.1
52.5°	1101.1	1086.1	1055.7	1022.6	1008.7
55°	979.3	960.6	921.1	893.4	883.2
57.5°	860.3	833.0	795.6	775.9	765.7
60°	743.3	713.4	684.0	664.8	657.9
62.5°	631.7	606.6	581.5	562.3	558.0
65°	528.6	505.7	489.1	470.4	467.8
67.5°	432.5	421.8	406.9	390.9	388.7
70°	348.7	344.4	331.1	321.5	317.7
72.5°	278.2	273.9	264.3	257.4	256.3
75°	211.5	207.2	204.0	197.0	195.4
77.5°	150.6	151.1	148.4	144.7	145.8
80°	108.9	102.5	100.4	98.3	97.7
82.5°	66.7	63.0	61.4	60.9	61.9
85°	34.2	32.6	33.1	31.5	33.1
87.5°	11.7	11.7	12.3	11.7	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)