

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: P412440

Luminaire Tested: **22PD-65-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412440
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-L935
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

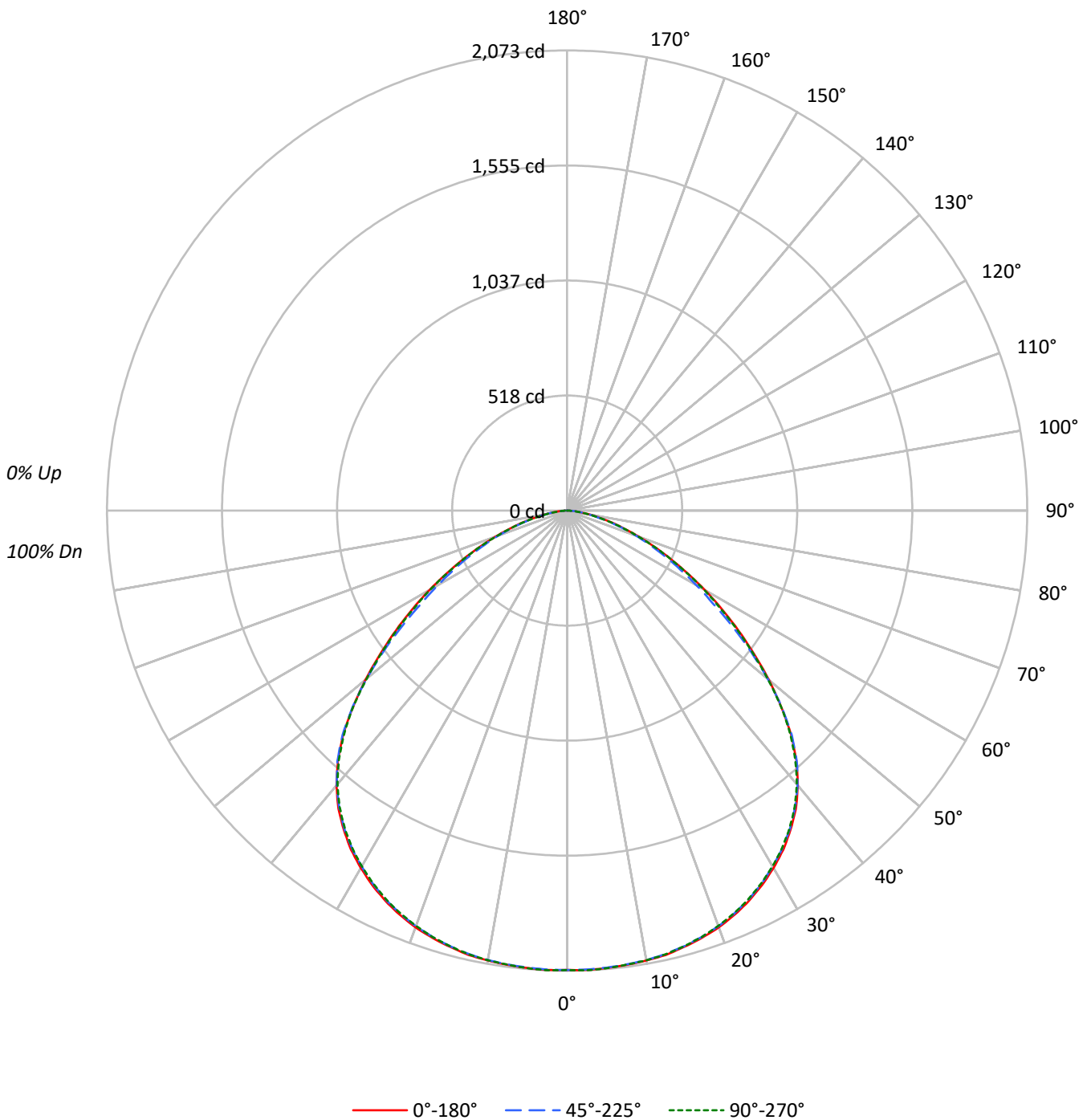
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5434.0 lumens
Efficiency: N/A
Efficacy: 93.9 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°	5570	5570	5570
5°	5588	5582	5589
10°	5624	5617	5621
15°	5670	5661	5661
20°	5722	5706	5702
25°	5758	5741	5735
30°	5777	5753	5749
35°	5765	5748	5738
40°	5679	5673	5654
45°	5429	5446	5405
50°	4970	4943	4938
55°	4417	4261	4387
60°	3851	3617	3827
65°	3265	3089	3248
70°	2699	2589	2674
75°	2182	2043	2096
80°	1578	1528	1517
85°	1028	1028	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	3.6
10°-20°	574.4	10.6
20°-30°	891.3	16.4
30°-40°	1093.0	20.1
40°-50°	1092.6	20.1
50°-60°	827.6	15.2
60°-70°	496.4	9.1
70°-80°	218.6	4.0
80°-90°	43.4	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°	1662.6	30.6
0°-40°	2755.6	50.7
0°-60°	4675.7	86.0
0°-90°	5434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2070	2070	2070	2070	2070	
5°	2068	2066	2067	2066	2069	197
15°	2035	2033	2032	2031	2032	575
25°	1939	1935	1934	1930	1932	894
35°	1755	1754	1750	1748	1747	1096
45°	1427	1428	1431	1427	1420	1092
55°	942	921	908	920	935	844
65°	513	495	485	494	510	513
75°	210	205	196	200	202	224
85°	33	35	33	32	32	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2069.8	2069.8	2069.8	2069.8	2069.8
2.5°	2071.7	2068.5	2069.2	2069.2	2073.0
5°	2068.5	2066.0	2066.6	2066.0	2069.2
7.5°	2064.0	2061.5	2062.1	2061.5	2063.4
10°	2058.3	2055.7	2055.7	2054.4	2057.0
12.5°	2050.6	2047.4	2046.1	2045.5	2047.4
15°	2035.2	2033.3	2032.0	2030.8	2032.0
17.5°	2018.6	2015.4	2014.1	2011.6	2014.1
20°	1998.1	1993.6	1992.4	1990.4	1991.1
22.5°	1971.2	1967.4	1965.5	1962.3	1963.6
25°	1939.2	1935.4	1933.5	1930.3	1931.6
27.5°	1902.1	1899.6	1895.1	1892.5	1893.2
30°	1859.2	1856.7	1851.6	1850.3	1850.3
32.5°	1811.9	1808.7	1804.2	1802.9	1802.3
35°	1754.9	1754.3	1749.8	1748.5	1746.6
37.5°	1692.8	1691.6	1686.4	1685.2	1683.2
40°	1616.7	1615.4	1614.8	1612.2	1609.6
42.5°	1528.4	1530.3	1531.6	1526.4	1521.3
45°	1426.6	1428.5	1431.1	1427.2	1420.2
47.5°	1307.5	1315.2	1311.4	1313.9	1306.9
50°	1187.2	1187.2	1180.8	1183.4	1179.5
52.5°	1061.1	1050.9	1043.2	1048.3	1053.5
55°	941.5	921.0	908.2	920.3	935.1
57.5°	826.9	802.6	778.9	798.1	816.0
60°	715.5	687.4	672.0	686.1	711.1
62.5°	609.9	589.5	574.1	585.0	606.1
65°	512.7	494.7	485.1	493.5	510.1
67.5°	423.7	411.5	401.9	409.0	421.8
70°	343.0	339.8	329.0	332.2	339.8
72.5°	269.4	268.8	259.2	261.8	266.2
75°	209.9	205.4	196.5	199.7	201.6
77.5°	148.5	150.4	142.1	144.0	144.0
80°	101.8	105.0	98.6	97.3	97.9
82.5°	64.6	64.6	64.0	63.4	61.4
85°	33.3	34.6	33.3	32.0	32.0
87.5°	12.8	12.8	12.8	12.2	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)