

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: P412433

Luminaire Tested: **22PD-60-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412433
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-60-PB1-L950
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

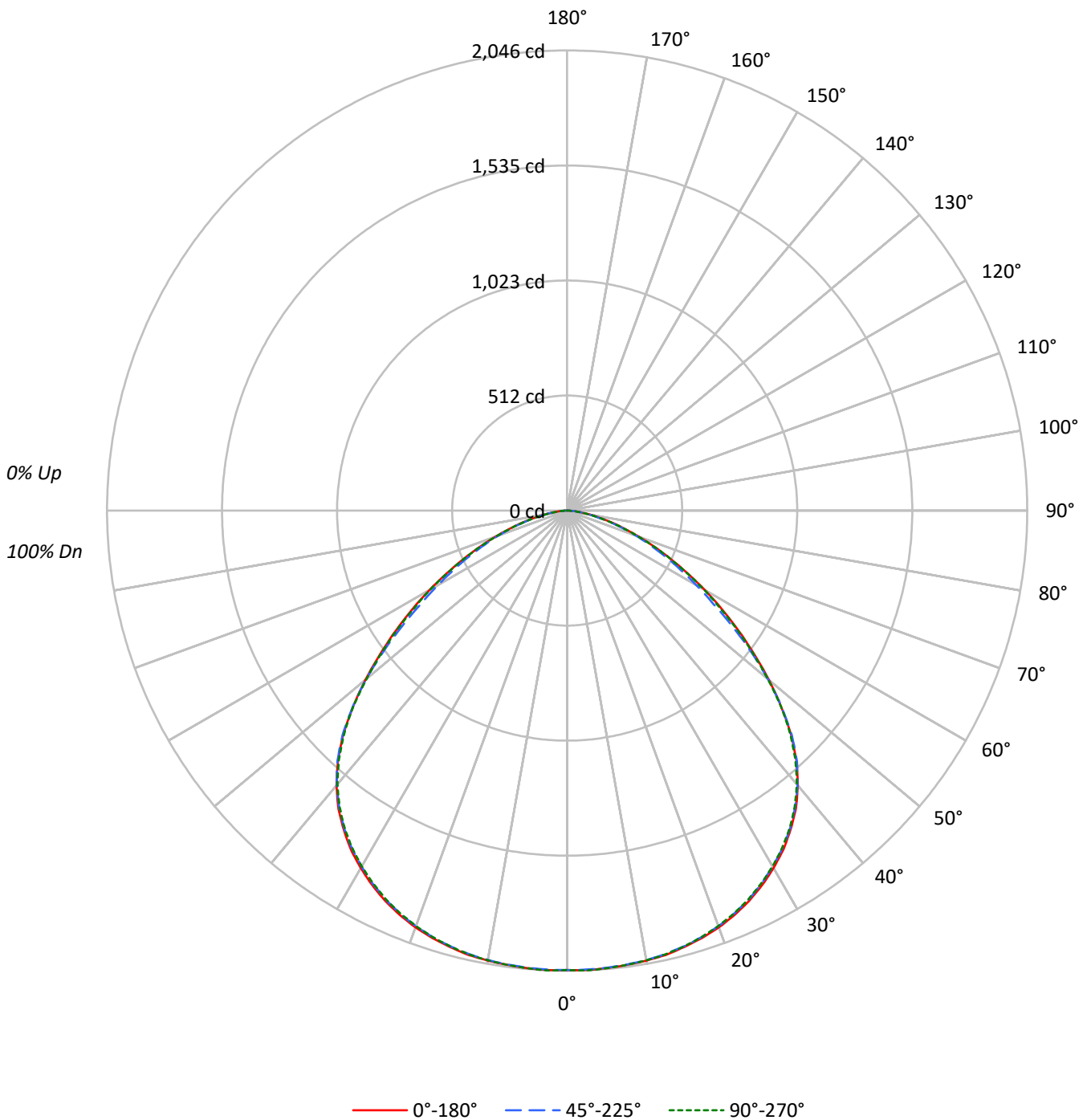
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5364.0 lumens
Efficiency: N/A
Efficacy: 100.1 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): 53.6
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°	5498	5498	5498
5°	5516	5511	5517
10°	5552	5545	5548
15°	5597	5588	5588
20°	5648	5632	5628
25°	5684	5667	5661
30°	5703	5679	5675
35°	5691	5674	5664
40°	5606	5599	5582
45°	5359	5376	5335
50°	4906	4880	4875
55°	4360	4206	4330
60°	3801	3570	3778
65°	3222	3049	3206
70°	2664	2555	2640
75°	2154	2017	2069
80°	1557	1508	1499
85°	1016	1016	976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	3.6
10°-20°	567.0	10.6
20°-30°	879.8	16.4
30°-40°	1078.9	20.1
40°-50°	1078.5	20.1
50°-60°	816.9	15.2
60°-70°	490.0	9.1
70°-80°	215.7	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°	1641.2	30.6
0°-40°	2720.1	50.7
0°-60°	4615.5	86.0
0°-90°	5364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5364.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2042	2039	2040	2039	2042	195
15°	2009	2007	2006	2005	2006	568
25°	1914	1910	1909	1905	1907	882
35°	1732	1732	1727	1726	1724	1082
45°	1408	1410	1413	1409	1402	1078
55°	929	909	896	908	923	833
65°	506	488	479	487	504	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°	2043.1	2043.1	2043.1	2043.1	2043.1
2.5°	2045.0	2041.9	2042.5	2042.5	2046.3
5°	2041.9	2039.4	2040.0	2039.4	2042.5
7.5°	2037.5	2034.9	2035.6	2034.9	2036.8
10°	2031.8	2029.2	2029.2	2028.0	2030.5
12.5°	2024.2	2021.0	2019.8	2019.1	2021.0
15°	2009.0	2007.1	2005.9	2004.6	2005.9
17.5°	1992.6	1989.4	1988.2	1985.7	1988.2
20°	1972.4	1968.0	1966.7	1964.8	1965.4
22.5°	1945.8	1942.1	1940.2	1937.0	1938.3
25°	1914.3	1910.5	1908.6	1905.4	1906.7
27.5°	1877.6	1875.1	1870.7	1868.1	1868.8
30°	1835.3	1832.8	1827.7	1826.4	1826.4
32.5°	1788.5	1785.4	1781.0	1779.7	1779.1
35°	1732.3	1731.7	1727.3	1726.0	1724.1
37.5°	1671.0	1669.8	1664.7	1663.4	1661.6
40°	1595.8	1594.6	1594.0	1591.4	1588.9
42.5°	1508.7	1510.6	1511.8	1506.8	1501.7
45°	1408.2	1410.1	1412.6	1408.8	1401.9
47.5°	1290.7	1298.3	1294.5	1297.0	1290.1
50°	1171.9	1171.9	1165.6	1168.1	1164.4
52.5°	1047.5	1037.4	1029.8	1034.8	1039.9
55°	929.3	909.1	896.5	908.5	923.0
57.5°	816.2	792.2	768.9	787.8	805.5
60°	706.3	678.5	663.4	677.3	701.9
62.5°	602.1	581.9	566.7	577.4	598.3
65°	506.0	488.4	478.9	487.1	503.5
67.5°	418.2	406.2	396.8	403.7	416.3
70°	338.6	335.5	324.7	327.9	335.5
72.5°	266.0	265.3	255.9	258.4	262.8
75°	207.2	202.8	194.0	197.1	199.0
77.5°	146.6	148.5	140.3	142.1	142.1
80°	100.5	103.6	97.3	96.0	96.7
82.5°	63.8	63.8	63.2	62.5	60.6
85°	32.9	34.1	32.9	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)