

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: P412548

Luminaire Tested: **24PD-60-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412548
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-60-PB1-L935
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

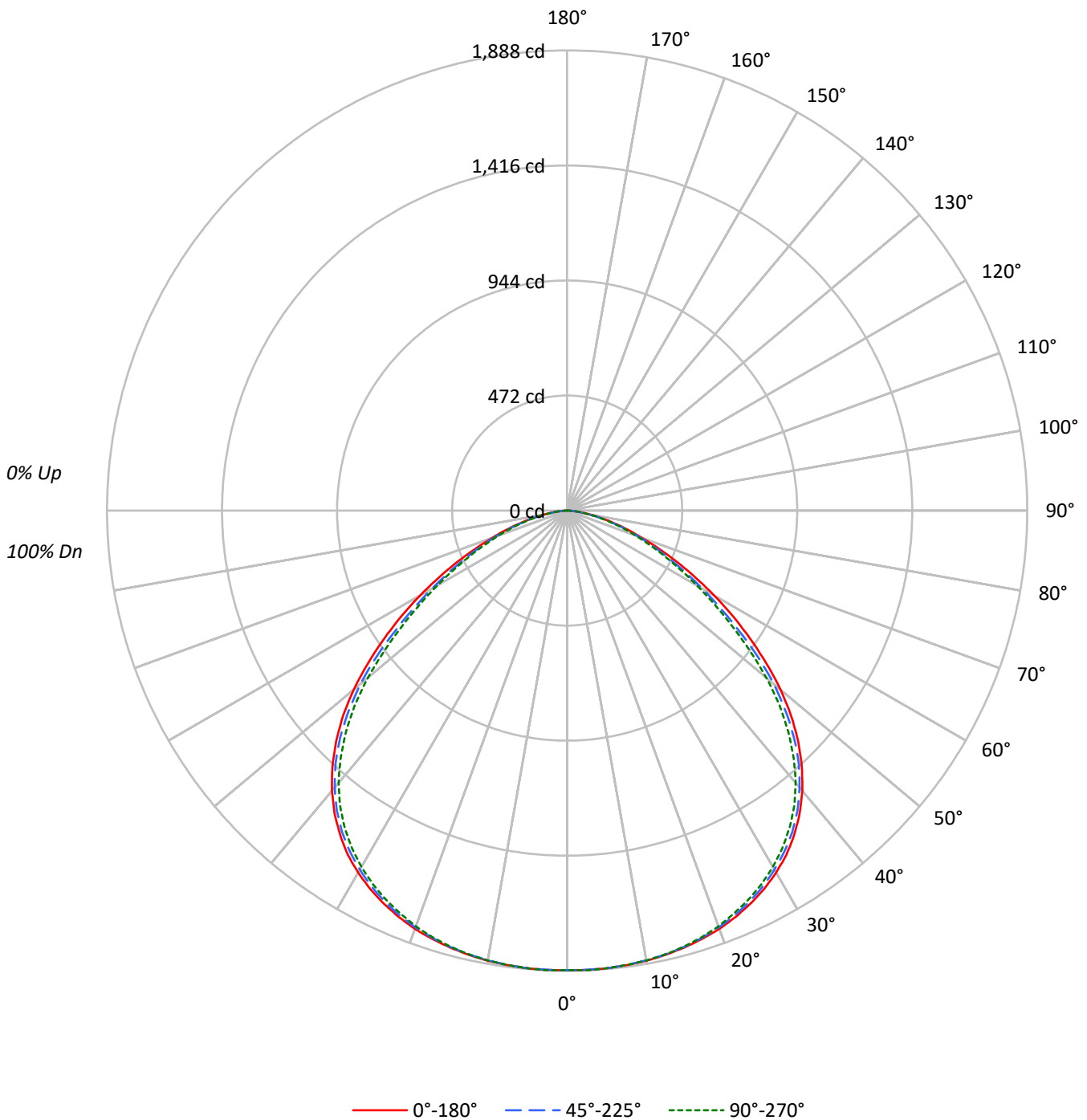
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5017.0 lumens
Efficiency: N/A
Efficacy: 110.5 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): 45.4
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°	2537	2537	2537
5°	2545	2545	2545
10°	2562	2560	2560
15°	2585	2582	2580
20°	2615	2606	2599
25°	2642	2628	2614
30°	2664	2643	2623
35°	2668	2645	2612
40°	2637	2606	2562
45°	2551	2505	2440
50°	2392	2318	2233
55°	2150	2022	1939
60°	1872	1722	1657
65°	1575	1457	1394
70°	1284	1219	1170
75°	1029	992	951
80°	790	728	708
85°	494	479	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.5	3.6
10°-20°	524.0	10.4
20°-30°	816.3	16.3
30°-40°	1004.2	20.0
40°-50°	1008.6	20.1
50°-60°	777.4	15.5
60°-70°	461.5	9.2
70°-80°	205.5	4.1
80°-90°	40.1	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°	1519.7	30.3
0°-40°	2523.9	50.3
0°-60°	4309.9	85.9
0°-90°	5017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1886	1886	1886	1886	1886	
5°	1884	1885	1884	1882	1884	180
15°	1856	1856	1854	1850	1852	525
25°	1780	1779	1770	1762	1760	821
35°	1624	1622	1610	1597	1590	1014
45°	1341	1337	1316	1294	1282	1029
55°	916	899	862	836	826	820
65°	495	473	458	440	438	494
75°	198	194	191	184	183	214
85°	32	30	31	30	31	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1885.5	1885.5	1885.5	1885.5	1885.5
2.5°	1886.5	1886.0	1886.0	1884.0	1888.0
5°	1884.5	1885.0	1884.5	1882.5	1884.5
7.5°	1880.5	1881.0	1880.0	1878.0	1880.0
10°	1875.5	1875.5	1873.5	1872.5	1874.0
12.5°	1867.0	1867.0	1865.0	1863.5	1865.0
15°	1856.0	1856.0	1853.5	1850.5	1852.0
17.5°	1842.5	1842.5	1838.5	1834.5	1835.5
20°	1826.0	1825.5	1820.0	1814.5	1815.0
22.5°	1805.0	1804.5	1797.5	1791.0	1789.0
25°	1779.5	1779.0	1770.5	1762.5	1760.5
27.5°	1750.0	1748.0	1738.5	1729.5	1727.5
30°	1715.0	1713.5	1701.1	1692.1	1688.1
32.5°	1674.6	1670.6	1659.1	1648.1	1642.6
35°	1624.1	1621.6	1610.1	1596.6	1590.1
37.5°	1567.1	1564.6	1552.1	1537.1	1529.7
40°	1501.2	1499.2	1483.7	1468.2	1458.7
42.5°	1425.2	1423.7	1407.2	1385.7	1375.7
45°	1340.8	1337.3	1316.3	1294.3	1282.3
47.5°	1246.8	1240.8	1215.3	1194.3	1181.3
50°	1142.9	1134.9	1107.4	1080.4	1066.9
52.5°	1030.4	1016.4	988.0	957.0	944.0
55°	916.5	899.0	862.0	836.0	826.5
57.5°	805.1	779.6	744.6	726.1	716.6
60°	695.6	667.6	640.1	622.2	615.7
62.5°	591.2	567.7	544.2	526.2	522.2
65°	494.7	473.2	457.7	440.3	437.8
67.5°	404.8	394.8	380.8	365.8	363.8
70°	326.3	322.3	309.8	300.8	297.3
72.5°	260.4	256.4	247.4	240.9	239.9
75°	197.9	193.9	190.9	184.4	182.9
77.5°	140.9	141.4	138.9	135.4	136.4
80°	101.9	95.9	93.9	91.9	91.4
82.5°	62.5	59.0	57.5	57.0	58.0
85°	32.0	30.5	31.0	29.5	31.0
87.5°	11.0	11.0	11.5	11.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)