

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: P412543

Luminaire Tested: **24PD-60-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412543
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-L835
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

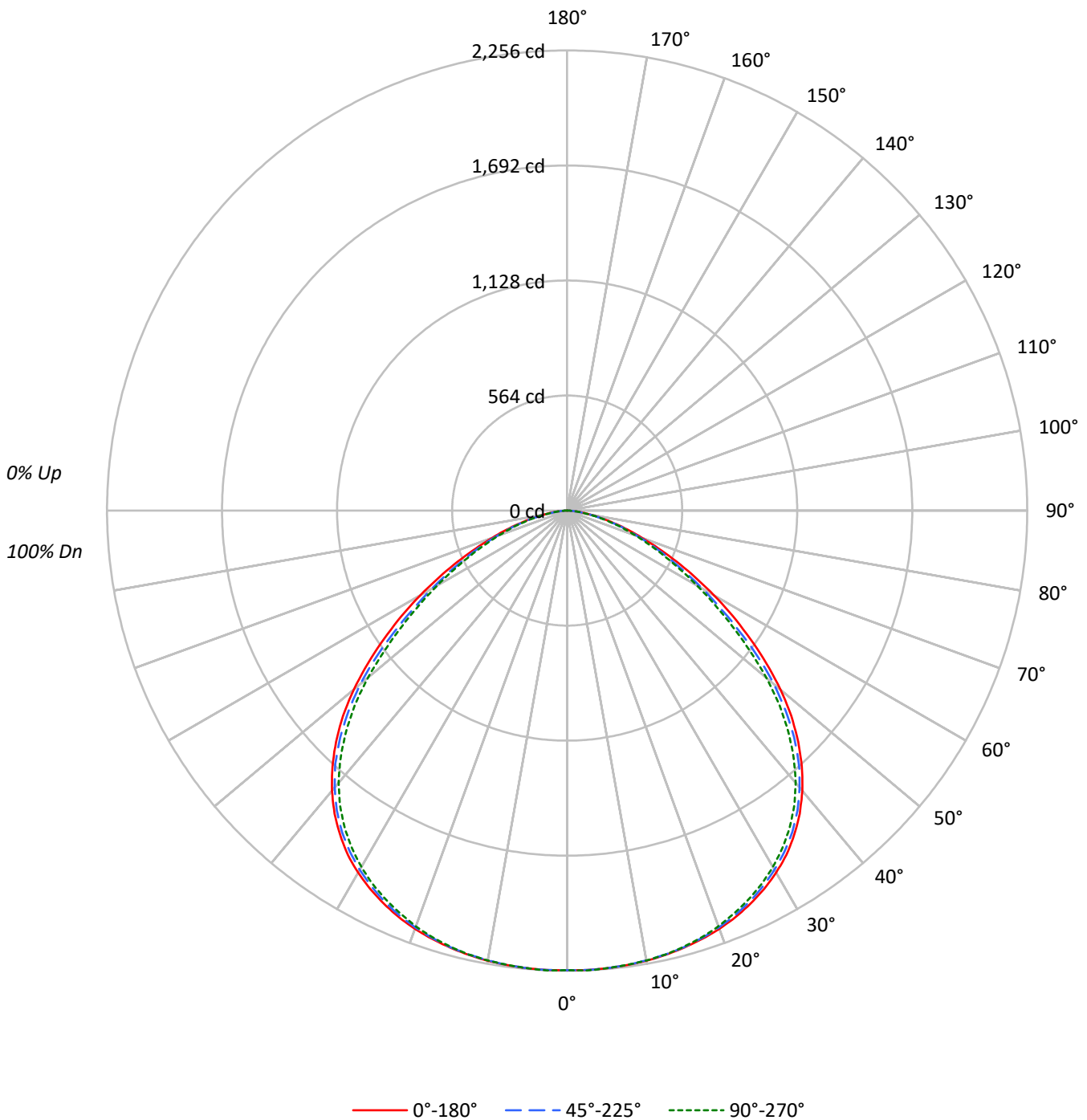
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5996.0 lumens
Efficiency: N/A
Efficacy: 132.1 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 (A_{in}): 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°	3032	3032	3032
5°	3042	3042	3042
10°	3062	3059	3060
15°	3090	3086	3083
20°	3125	3114	3106
25°	3157	3141	3124
30°	3184	3159	3134
35°	3188	3161	3121
40°	3151	3114	3062
45°	3049	2993	2916
50°	2859	2770	2669
55°	2569	2417	2317
60°	2237	2059	1980
65°	1883	1742	1666
70°	1534	1457	1398
75°	1229	1186	1136
80°	944	870	847
85°	590	571	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.5	3.6
10°-20°	626.2	10.4
20°-30°	975.6	16.3
30°-40°	1200.1	20.0
40°-50°	1205.4	20.1
50°-60°	929.1	15.5
60°-70°	551.6	9.2
70°-80°	245.6	4.1
80°-90°	47.9	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°	1816.3	30.3
0°-40°	3016.4	50.3
0°-60°	5150.9	85.9
0°-90°	5996.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2253	2253	2253	2253	2253	
5°	2252	2253	2252	2250	2252	215
15°	2218	2218	2215	2212	2213	627
25°	2127	2126	2116	2106	2104	981
35°	1941	1938	1924	1908	1900	1212
45°	1602	1598	1573	1547	1532	1230
55°	1095	1074	1030	999	988	979
65°	591	566	547	526	523	591
75°	236	232	228	220	219	256
85°	38	36	37	35	37	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2253.4	2253.4	2253.4	2253.4	2253.4
2.5°	2254.6	2254.0	2254.0	2251.6	2256.4
5°	2252.2	2252.8	2252.2	2249.8	2252.2
7.5°	2247.4	2248.0	2246.8	2244.4	2246.8
10°	2241.4	2241.4	2239.0	2237.8	2239.6
12.5°	2231.3	2231.3	2228.9	2227.1	2228.9
15°	2218.1	2218.1	2215.2	2211.6	2213.4
17.5°	2202.0	2202.0	2197.2	2192.5	2193.6
20°	2182.3	2181.7	2175.1	2168.6	2169.2
22.5°	2157.2	2156.6	2148.3	2140.5	2138.1
25°	2126.8	2126.2	2116.0	2106.5	2104.1
27.5°	2091.5	2089.1	2077.8	2067.0	2064.6
30°	2049.7	2047.9	2033.0	2022.2	2017.5
32.5°	2001.3	1996.6	1982.8	1969.7	1963.1
35°	1941.0	1938.0	1924.3	1908.2	1900.4
37.5°	1872.9	1869.9	1855.0	1837.1	1828.1
40°	1794.1	1791.7	1773.2	1754.7	1743.3
42.5°	1703.3	1701.5	1681.8	1656.1	1644.2
45°	1602.4	1598.2	1573.1	1546.8	1532.5
47.5°	1490.1	1482.9	1452.5	1427.4	1411.9
50°	1365.9	1356.3	1323.5	1291.2	1275.1
52.5°	1231.5	1214.8	1180.7	1143.7	1128.2
55°	1095.3	1074.4	1030.2	999.2	987.8
57.5°	962.1	931.7	889.9	867.8	856.4
60°	831.4	797.9	765.1	743.6	735.8
62.5°	706.5	678.5	650.4	628.9	624.1
65°	591.3	565.6	547.1	526.2	523.2
67.5°	483.8	471.8	455.1	437.2	434.8
70°	390.0	385.2	370.3	359.5	355.4
72.5°	311.2	306.4	295.6	287.9	286.7
75°	236.5	231.7	228.1	220.4	218.6
77.5°	168.4	169.0	166.0	161.9	163.0
80°	121.8	114.7	112.3	109.9	109.3
82.5°	74.7	70.5	68.7	68.1	69.3
85°	38.2	36.4	37.0	35.2	37.0
87.5°	13.1	13.1	13.7	13.1	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)