

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: P412885

Luminaire Tested: **24PD-60-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PP3-L835
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

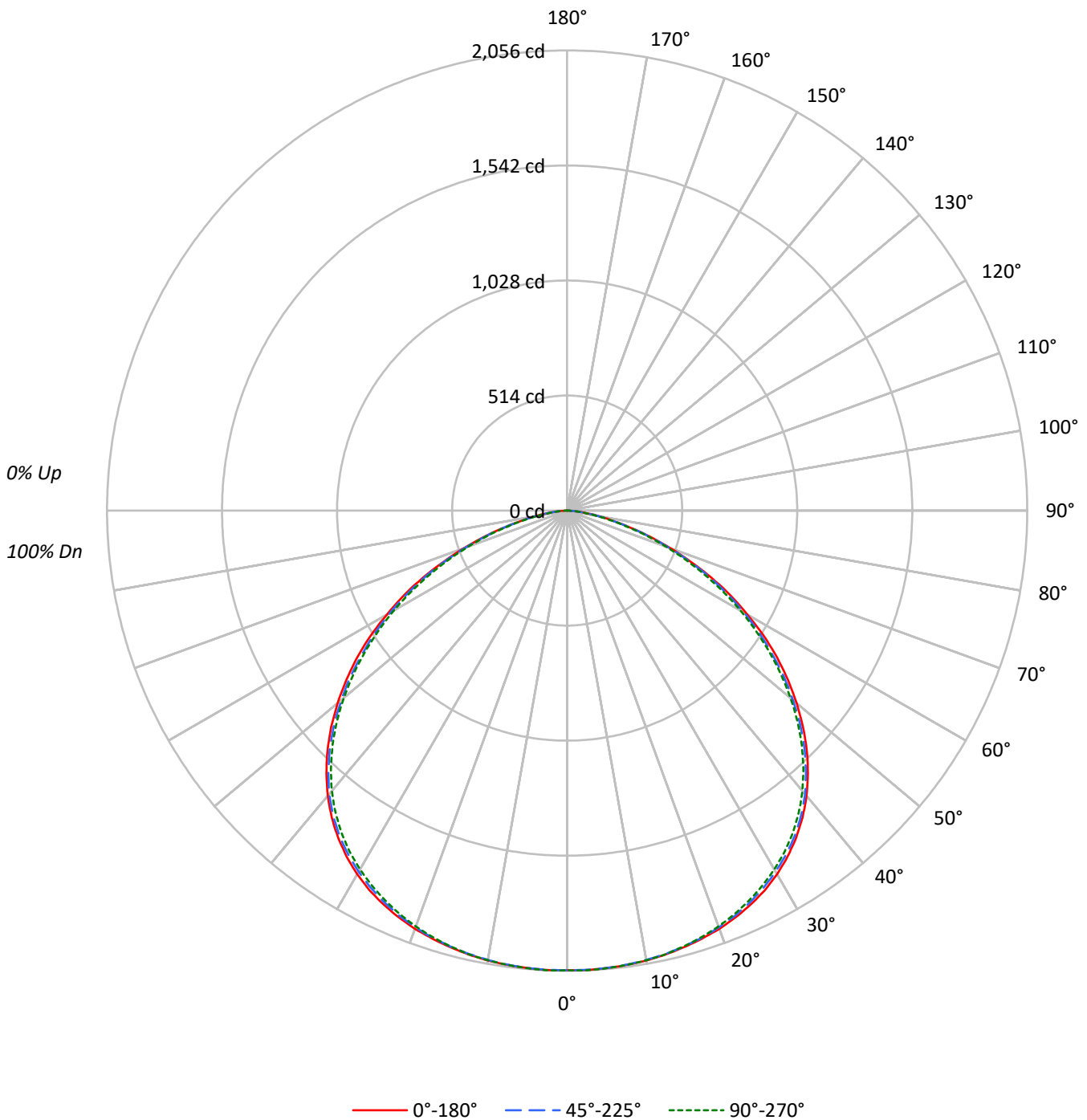
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5977.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2764	2764	2764
5°	2771	2770	2772
10°	2789	2785	2788
15°	2813	2809	2807
20°	2847	2838	2831
25°	2883	2868	2854
30°	2915	2894	2876
35°	2930	2913	2886
40°	2923	2905	2872
45°	2881	2853	2821
50°	2802	2757	2728
55°	2686	2622	2588
60°	2503	2459	2410
65°	2269	2223	2158
70°	1936	1901	1840
75°	1512	1497	1425
80°	1115	1069	1009
85°	673	673	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	3.3
10°-20°	570.3	9.5
20°-30°	891.4	14.9
30°-40°	1107.8	18.5
40°-50°	1154.2	19.3
50°-60°	1001.6	16.8
60°-70°	688.7	11.5
70°-80°	310.8	5.2
80°-90°	56.9	1.0
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°	1657.0	27.7
0°-40°	2764.8	46.3
0°-60°	4920.6	82.3
0°-90°	5977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5977.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2052	2052	2051	2049	2052	196
15°	2020	2020	2016	2015	2015	571
25°	1942	1941	1932	1924	1923	896
35°	1784	1784	1773	1763	1757	1115
45°	1514	1515	1499	1488	1482	1165
55°	1145	1138	1118	1104	1103	1020
65°	713	710	698	682	678	703
75°	291	292	288	280	274	317
85°	44	43	44	43	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2054.1	2054.1	2054.1	2054.1	2054.1
2.5°	2054.7	2054.7	2053.5	2051.7	2055.9
5°	2051.7	2052.3	2051.1	2049.3	2052.3
7.5°	2047.6	2048.1	2046.4	2044.6	2047.0
10°	2041.0	2040.4	2038.6	2037.4	2040.4
12.5°	2031.4	2030.8	2029.0	2027.8	2030.2
15°	2019.5	2019.5	2016.5	2014.7	2015.3
17.5°	2005.1	2005.1	2001.0	1996.8	1998.0
20°	1988.4	1987.8	1981.8	1977.7	1977.1
22.5°	1967.5	1967.5	1959.1	1953.8	1952.0
25°	1941.8	1941.2	1931.7	1923.9	1922.7
27.5°	1912.6	1911.4	1900.0	1892.3	1889.3
30°	1876.1	1874.9	1863.0	1854.6	1851.0
32.5°	1833.1	1834.9	1821.2	1811.6	1808.0
35°	1784.1	1784.1	1773.4	1763.2	1757.3
37.5°	1728.0	1728.0	1717.8	1707.7	1700.5
40°	1664.1	1664.7	1653.9	1641.4	1635.4
42.5°	1592.4	1593.6	1579.3	1569.1	1562.5
45°	1514.2	1514.8	1499.2	1487.9	1482.5
47.5°	1429.3	1428.1	1410.8	1401.3	1395.9
50°	1338.6	1336.2	1317.1	1308.1	1303.3
52.5°	1243.6	1238.8	1222.1	1208.9	1204.8
55°	1145.0	1138.5	1117.6	1104.4	1103.2
57.5°	1042.3	1034.5	1017.2	1004.7	999.9
60°	930.0	928.2	913.9	898.9	895.4
62.5°	824.9	819.5	807.0	789.0	787.2
65°	712.6	709.6	698.2	681.5	677.9
67.5°	596.7	599.7	590.1	575.2	570.4
70°	492.2	494.0	483.2	469.5	467.7
72.5°	387.1	390.0	381.1	372.1	370.3
75°	290.9	292.1	287.9	280.1	274.2
77.5°	206.7	210.8	206.1	200.7	195.9
80°	143.9	137.4	138.0	135.6	130.2
82.5°	86.6	83.6	83.0	80.6	78.2
85°	43.6	43.0	43.6	43.0	40.6
87.5°	14.3	15.5	16.1	16.1	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)