

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: P413254

Luminaire Tested: **24PD-75-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-75-PC3-L835
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

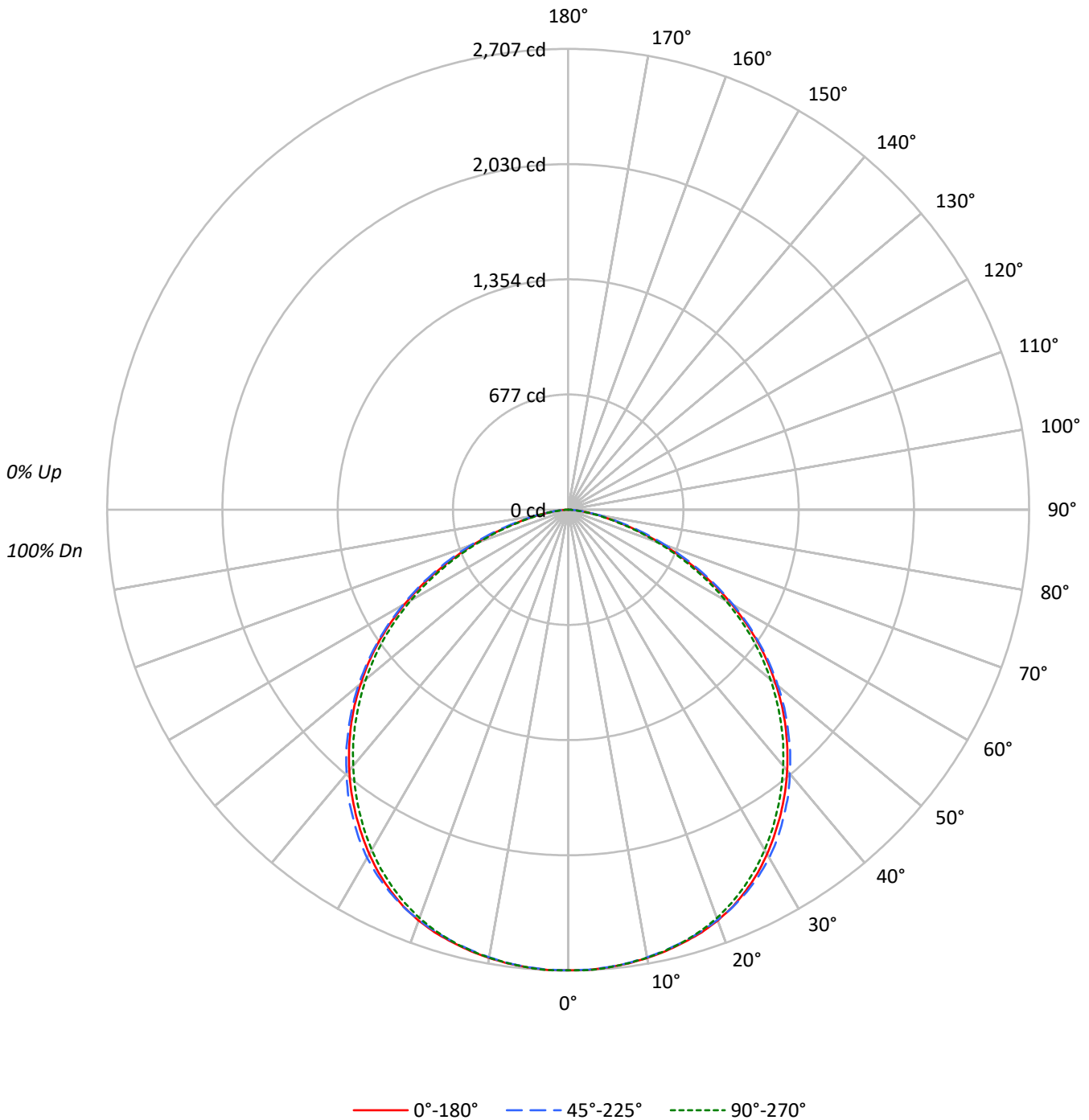
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7396.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 56.3
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

TEST NUMBER: P413254
CATALOG NUMBER: 24PD-75-PC3-L835

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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3641	3641	3641
5°	3645	3643	3646
10°	3653	3648	3651
15°	3665	3657	3658
20°	3677	3672	3655
25°	3666	3680	3629
30°	3630	3668	3584
35°	3576	3622	3522
40°	3514	3556	3450
45°	3434	3471	3363
50°	3328	3365	3246
55°	3191	3219	3096
60°	2979	3013	2876
65°	2684	2751	2580
70°	2279	2380	2188
75°	1765	1894	1683
80°	1313	1371	1191
85°	810	868	752



TEST NUMBER: P413254

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	3.5
10°-20°	742.0	10.0
20°-30°	1136.4	15.4
30°-40°	1367.1	18.5
40°-50°	1394.0	18.8
50°-60°	1208.5	16.3
60°-70°	837.9	11.3
70°-80°	382.7	5.2
80°-90°	70.7	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°	2135.1	28.9
0°-40°	3502.2	47.4
0°-60°	6104.8	82.5
0°-90°	7396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2706	2706	2706	2706	2706	
5°	2699	2699	2698	2696	2700	257
15°	2631	2630	2626	2623	2626	743
25°	2470	2476	2479	2457	2444	1137
35°	2177	2201	2205	2177	2144	1362
45°	1805	1827	1824	1800	1767	1391
55°	1360	1369	1372	1339	1320	1212
65°	843	861	864	835	810	834
75°	340	358	364	352	324	371
85°	52	54	56	53	49	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2705.8	2705.8	2705.8	2705.8	2705.8
2.5°	2705.8	2705.8	2704.3	2702.8	2707.3
5°	2699.1	2699.1	2697.6	2696.1	2699.8
7.5°	2688.6	2687.8	2686.3	2684.8	2687.1
10°	2673.6	2672.9	2669.9	2669.1	2672.1
12.5°	2654.9	2654.1	2649.6	2649.6	2651.9
15°	2630.9	2630.1	2625.6	2623.4	2626.4
17.5°	2603.9	2603.1	2597.9	2591.9	2593.4
20°	2567.9	2567.9	2564.2	2555.2	2552.9
22.5°	2524.4	2526.7	2526.7	2509.5	2502.7
25°	2469.7	2476.5	2478.7	2457.0	2444.2
27.5°	2407.5	2418.0	2424.0	2396.3	2379.8
30°	2336.3	2353.6	2361.0	2331.1	2307.1
32.5°	2258.4	2280.1	2289.1	2259.9	2229.1
35°	2177.4	2200.6	2205.1	2176.7	2144.4
37.5°	2091.2	2115.2	2121.2	2095.7	2056.0
40°	2000.5	2024.5	2024.5	2003.5	1964.5
42.5°	1904.6	1930.1	1929.3	1903.8	1868.6
45°	1804.9	1827.4	1824.4	1799.6	1767.4
47.5°	1702.2	1716.4	1720.2	1691.0	1660.2
50°	1589.8	1604.0	1607.8	1574.8	1550.8
52.5°	1478.8	1487.8	1493.1	1454.9	1437.6
55°	1360.4	1368.7	1372.4	1338.7	1319.9
57.5°	1235.2	1245.7	1250.2	1216.5	1195.5
60°	1107.1	1118.3	1119.8	1088.3	1068.8
62.5°	976.6	991.6	994.6	963.2	939.9
65°	843.2	861.2	864.2	835.0	810.3
67.5°	709.8	733.8	734.5	710.6	681.3
70°	579.4	605.6	604.9	584.6	556.2
72.5°	455.0	479.0	484.2	465.5	437.7
75°	339.5	358.3	364.3	352.3	323.8
77.5°	241.4	258.6	263.8	252.6	231.6
80°	169.4	170.1	176.9	167.9	153.7
82.5°	104.9	103.4	105.7	101.9	93.7
85°	52.5	54.0	56.2	53.2	48.7
87.5°	18.0	18.7	20.2	20.2	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)