

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: P412912

Luminaire Tested: **24PD-75-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412912
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-75-PP3-L835
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

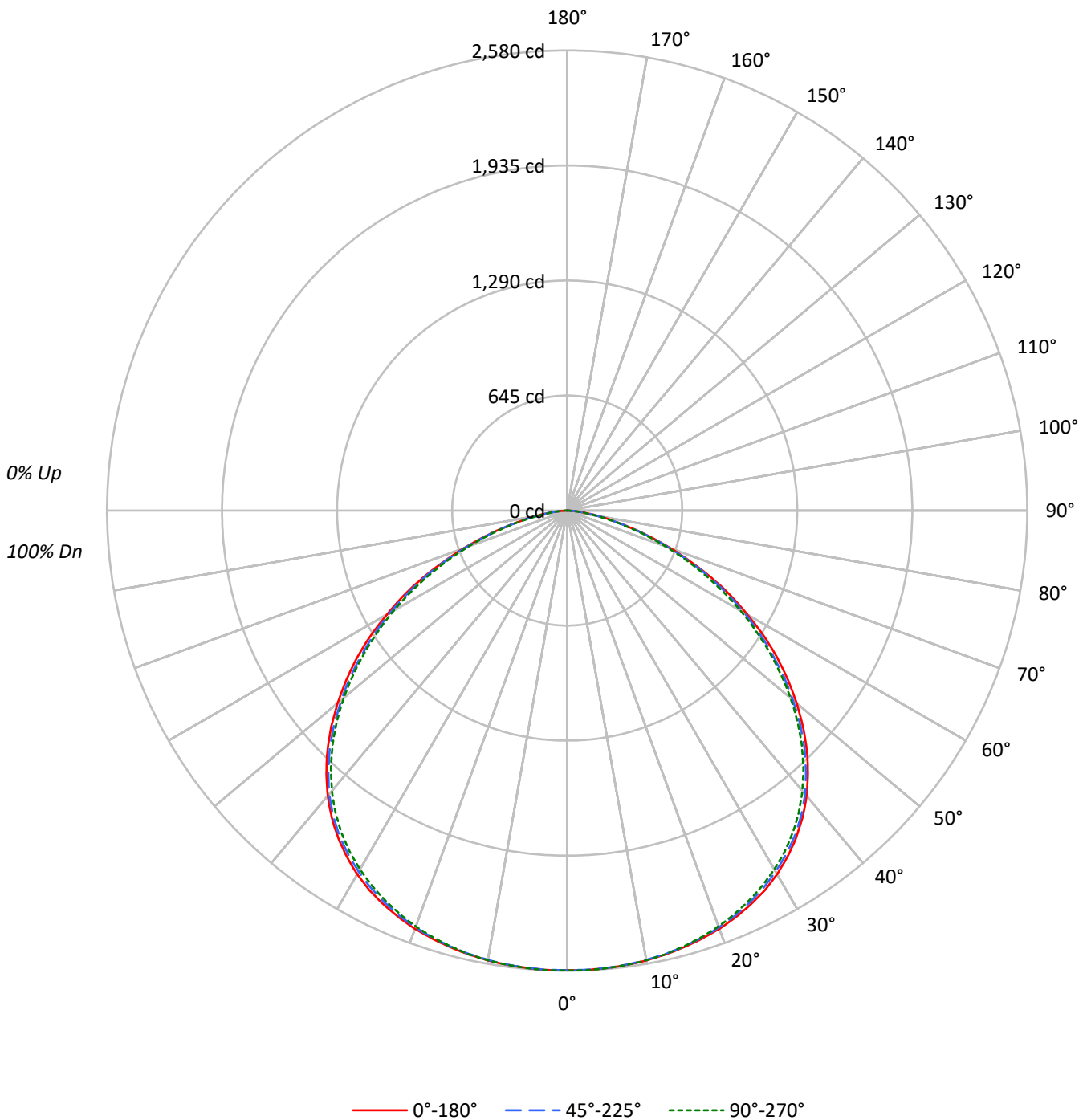
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7500.0 lumens
Efficiency: N/A
Efficacy: 133.2 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): 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

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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°	3468	3468	3468
5°	3477	3476	3478
10°	3499	3495	3498
15°	3530	3525	3522
20°	3573	3561	3552
25°	3617	3598	3582
30°	3658	3632	3609
35°	3677	3655	3622
40°	3668	3645	3604
45°	3615	3580	3540
50°	3516	3459	3423
55°	3370	3290	3247
60°	3140	3086	3023
65°	2847	2790	2708
70°	2430	2385	2309
75°	1897	1878	1788
80°	1399	1341	1266
85°	844	844	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	3.3
10°-20°	715.6	9.5
20°-30°	1118.5	14.9
30°-40°	1390.1	18.5
40°-50°	1448.3	19.3
50°-60°	1256.8	16.8
60°-70°	864.2	11.5
70°-80°	390.0	5.2
80°-90°	71.5	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°	2079.3	27.7
0°-40°	3469.3	46.3
0°-60°	6174.4	82.3
0°-90°	7500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2578	2578	2578	2578	2578	
5°	2574	2575	2574	2572	2575	245
15°	2534	2534	2530	2528	2529	717
25°	2437	2436	2424	2414	2413	1124
35°	2239	2239	2225	2212	2205	1399
45°	1900	1901	1881	1867	1860	1462
55°	1437	1428	1402	1386	1384	1280
65°	894	890	876	855	851	882
75°	365	366	361	352	344	397
85°	55	54	55	54	51	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2577.5	2577.5	2577.5	2577.5	2577.5
2.5°	2578.3	2578.3	2576.8	2574.5	2579.8
5°	2574.5	2575.3	2573.8	2571.5	2575.3
7.5°	2569.3	2570.0	2567.8	2565.5	2568.5
10°	2561.0	2560.3	2558.0	2556.5	2560.3
12.5°	2549.1	2548.3	2546.1	2544.6	2547.6
15°	2534.1	2534.1	2530.3	2528.1	2528.8
17.5°	2516.1	2516.1	2510.8	2505.6	2507.1
20°	2495.1	2494.3	2486.8	2481.6	2480.8
22.5°	2468.9	2468.9	2458.4	2451.6	2449.4
25°	2436.6	2435.9	2423.9	2414.1	2412.6
27.5°	2399.9	2398.4	2384.2	2374.4	2370.7
30°	2354.2	2352.7	2337.7	2327.2	2322.7
32.5°	2300.2	2302.5	2285.2	2273.2	2268.7
35°	2238.8	2238.8	2225.3	2212.5	2205.0
37.5°	2168.3	2168.3	2155.6	2142.8	2133.8
40°	2088.1	2088.9	2075.4	2059.6	2052.1
42.5°	1998.2	1999.7	1981.7	1968.9	1960.7
45°	1900.0	1900.7	1881.2	1867.0	1860.3
47.5°	1793.6	1792.1	1770.3	1758.3	1751.6
50°	1679.6	1676.6	1652.6	1641.4	1635.4
52.5°	1560.5	1554.5	1533.5	1517.0	1511.7
55°	1436.8	1428.5	1402.3	1385.8	1384.3
57.5°	1307.9	1298.1	1276.4	1260.7	1254.7
60°	1167.0	1164.7	1146.7	1128.0	1123.5
62.5°	1035.1	1028.3	1012.6	990.1	987.8
65°	894.2	890.4	876.2	855.2	850.7
67.5°	748.8	752.5	740.5	721.8	715.8
70°	617.6	619.8	606.3	589.1	586.9
72.5°	485.7	489.4	478.2	466.9	464.7
75°	365.0	366.5	361.3	351.5	344.0
77.5°	259.3	264.6	258.6	251.8	245.8
80°	180.6	172.4	173.1	170.1	163.4
82.5°	108.7	104.9	104.2	101.2	98.2
85°	54.7	54.0	54.7	54.0	51.0
87.5°	18.0	19.5	20.2	20.2	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)