

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: P412363

Luminaire Tested: **22PD-25-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PB1-L835
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

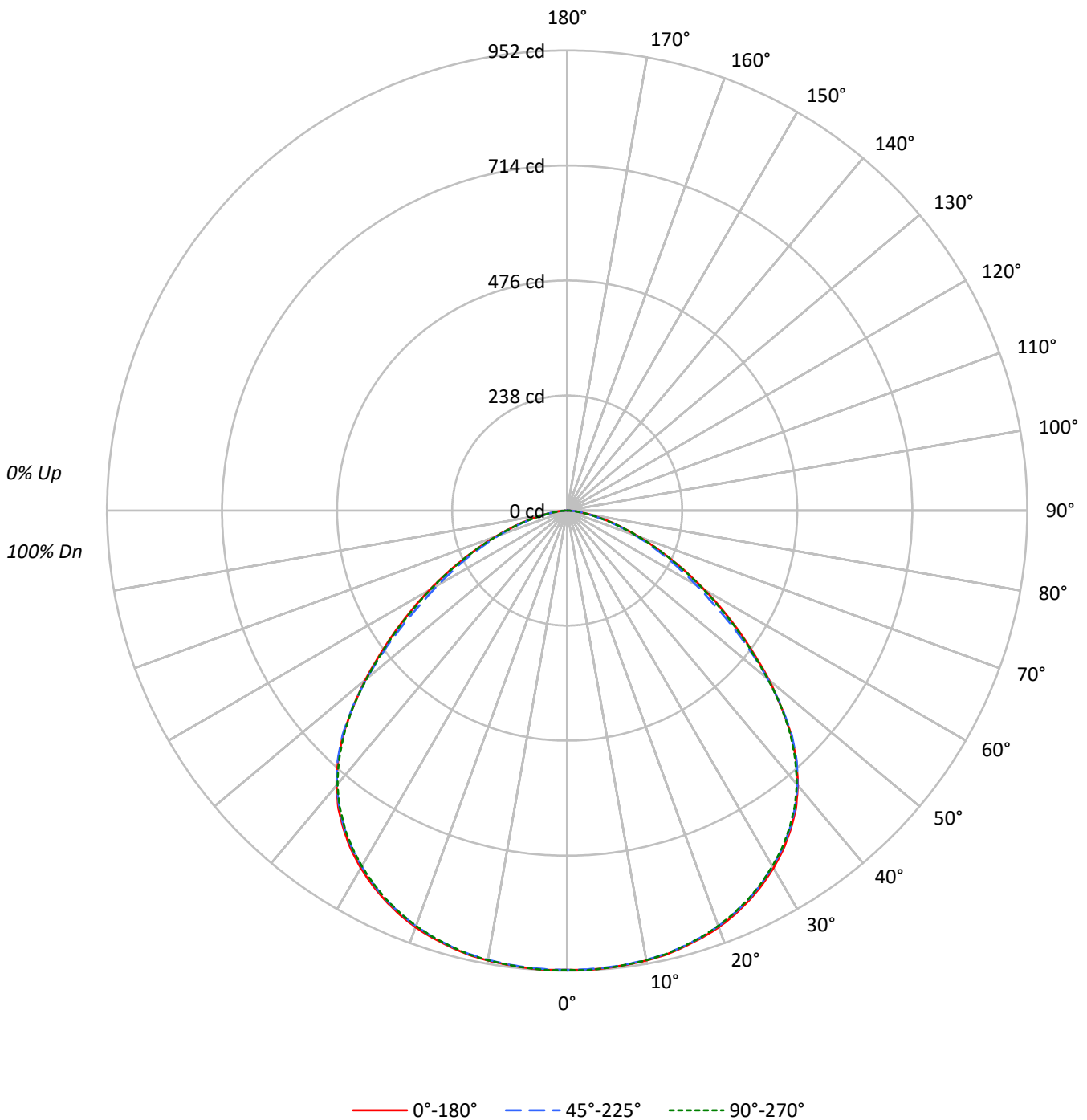
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2495.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2557	2557	2557
5°	2566	2563	2566
10°	2582	2579	2581
15°	2603	2599	2599
20°	2627	2620	2618
25°	2644	2636	2633
30°	2653	2641	2640
35°	2647	2639	2634
40°	2608	2604	2596
45°	2493	2501	2482
50°	2282	2270	2267
55°	2028	1956	2014
60°	1768	1661	1757
65°	1499	1418	1491
70°	1239	1188	1227
75°	1002	938	963
80°	724	702	697
85°	472	472	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	3.6
10°-20°	263.7	10.6
20°-30°	409.2	16.4
30°-40°	501.8	20.1
40°-50°	501.6	20.1
50°-60°	380.0	15.2
60°-70°	227.9	9.1
70°-80°	100.3	4.0
80°-90°	19.9	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°	763.4	30.6
0°-40°	1265.2	50.7
0°-60°	2146.8	86.0
0°-90°	2495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	950	949	949	949	950	91
15°	934	934	933	932	933	264
25°	890	889	888	886	887	410
35°	806	806	803	803	802	503
45°	655	656	657	655	652	501
55°	432	423	417	423	429	388
65°	235	227	223	227	234	235
75°	96	94	90	92	93	103
85°	15	16	15	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.3	950.3	950.3	950.3	950.3
2.5°	951.2	949.8	950.0	950.0	951.8
5°	949.8	948.6	948.9	948.6	950.0
7.5°	947.7	946.5	946.8	946.5	947.4
10°	945.1	943.9	943.9	943.3	944.5
12.5°	941.5	940.1	939.5	939.2	940.1
15°	934.5	933.6	933.0	932.4	933.0
17.5°	926.8	925.4	924.8	923.6	924.8
20°	917.4	915.4	914.8	913.9	914.2
22.5°	905.1	903.3	902.4	901.0	901.6
25°	890.4	888.6	887.8	886.3	886.9
27.5°	873.4	872.2	870.1	868.9	869.2
30°	853.7	852.5	850.1	849.5	849.5
32.5°	831.9	830.4	828.4	827.8	827.5
35°	805.8	805.5	803.4	802.8	801.9
37.5°	777.3	776.7	774.3	773.7	772.9
40°	742.3	741.7	741.4	740.2	739.1
42.5°	701.7	702.6	703.2	700.9	698.5
45°	655.0	655.9	657.1	655.3	652.1
47.5°	600.4	603.9	602.1	603.3	600.1
50°	545.1	545.1	542.2	543.3	541.6
52.5°	487.2	482.5	479.0	481.3	483.7
55°	432.3	422.9	417.0	422.6	429.3
57.5°	379.7	368.5	357.6	366.4	374.7
60°	328.5	315.6	308.6	315.0	326.5
62.5°	280.0	270.6	263.6	268.6	278.3
65°	235.4	227.2	222.7	226.6	234.2
67.5°	194.5	189.0	184.5	187.8	193.7
70°	157.5	156.0	151.0	152.5	156.0
72.5°	123.7	123.4	119.0	120.2	122.2
75°	96.4	94.3	90.2	91.7	92.6
77.5°	68.2	69.1	65.2	66.1	66.1
80°	46.7	48.2	45.3	44.7	45.0
82.5°	29.7	29.7	29.4	29.1	28.2
85°	15.3	15.9	15.3	14.7	14.7
87.5°	5.9	5.9	5.9	5.6	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)