

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: P412795

Luminaire Tested: **22PD-75-PP3-L835**

Issue Date: 9/15/2020



**Test Information**

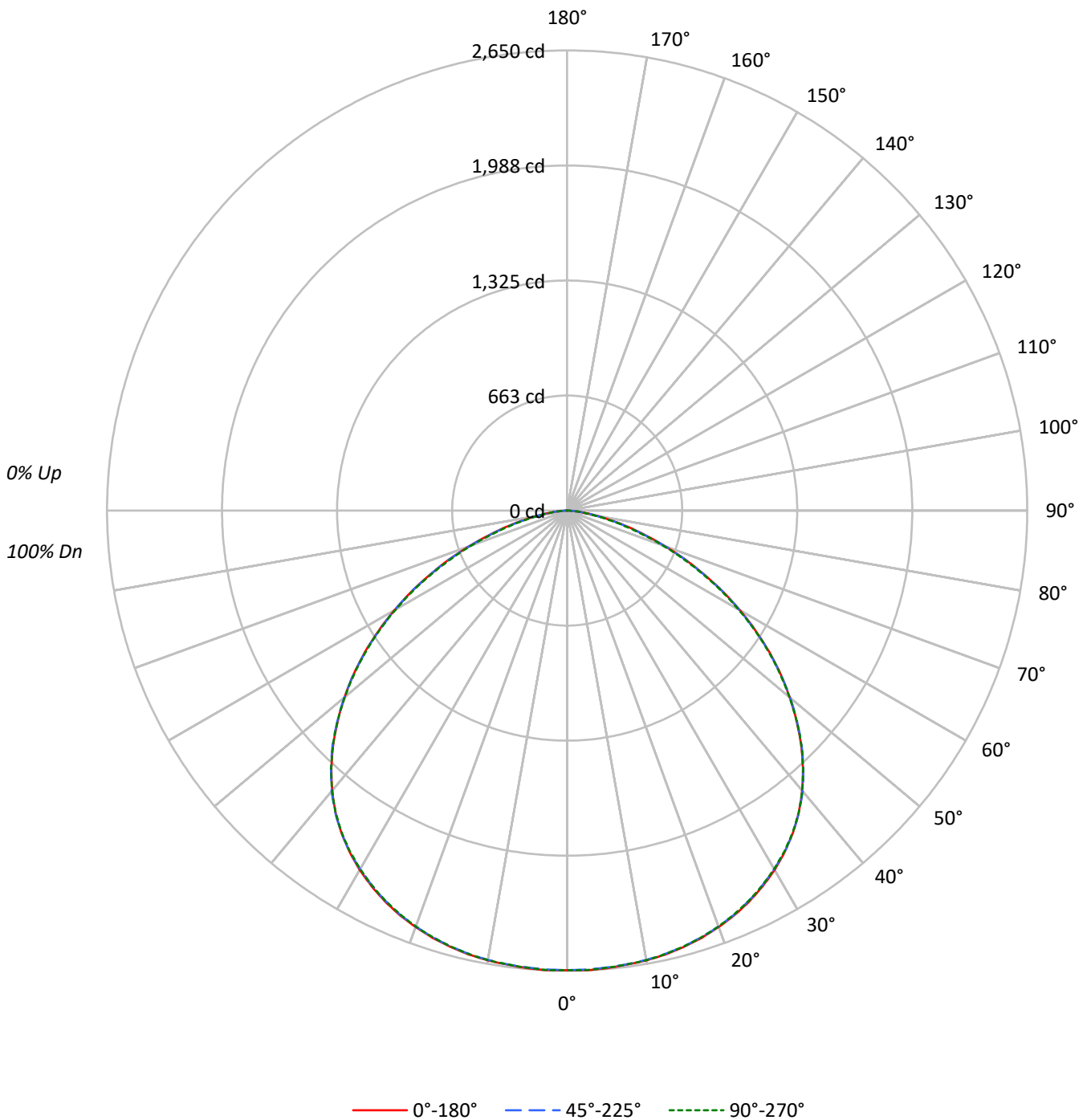
Test Method: LM-79-08  
Report Number: P412795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-75-PP3-L835  
Description: 7500 LUMEN 2X2 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: 7593.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 67.5  
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	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
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°	7122	7122	7122
5°	7144	7135	7139
10°	7188	7179	7183
15°	7245	7238	7238
20°	7308	7300	7298
25°	7372	7359	7359
30°	7425	7411	7408
35°	7446	7446	7437
40°	7397	7412	7397
45°	7250	7270	7260
50°	7006	7018	6999
55°	6670	6654	6641
60°	6192	6177	6130
65°	5531	5525	5463
70°	4728	4699	4596
75°	3767	3657	3546
80°	2684	2630	2492
85°	1748	1748	1692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.7	3.3
10°-20°	734.1	9.7
20°-30°	1143.1	15.1
30°-40°	1414.8	18.6
40°-50°	1467.1	19.3
50°-60°	1264.5	16.7
60°-70°	859.7	11.3
70°-80°	384.7	5.1
80°-90°	73.3	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°	2128.9	28.0
0°-40°	3543.7	46.7
0°-60°	6275.3	82.6
0°-90°	7593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2646	2646	2646	2646	2646	
5°	2645	2639	2641	2640	2643	252
15°	2600	2596	2598	2596	2598	735
25°	2483	2480	2479	2478	2479	1145
35°	2266	2264	2266	2263	2264	1416
45°	1905	1903	1910	1906	1908	1466
55°	1422	1416	1418	1416	1416	1268
65°	869	876	868	865	858	862
75°	362	363	352	350	341	390
85°	57	58	57	55	55	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2646.5	2646.5	2646.5	2646.5	2646.5
2.5°	2650.0	2644.7	2644.7	2645.6	2648.3
5°	2644.7	2639.4	2641.2	2640.3	2643.0
7.5°	2637.7	2633.2	2635.9	2634.1	2635.9
10°	2630.6	2626.2	2627.1	2626.2	2628.8
12.5°	2618.2	2612.9	2614.7	2614.7	2615.6
15°	2600.5	2596.1	2597.9	2596.1	2597.9
17.5°	2579.3	2574.0	2574.9	2574.0	2575.8
20°	2551.9	2548.4	2549.3	2547.5	2548.4
22.5°	2521.0	2516.6	2517.5	2515.7	2515.7
25°	2483.0	2479.5	2478.6	2477.7	2478.6
27.5°	2438.8	2434.4	2434.4	2433.5	2433.5
30°	2389.4	2384.9	2384.9	2384.1	2384.1
32.5°	2331.0	2329.3	2330.2	2328.4	2327.5
35°	2266.5	2263.9	2266.5	2263.0	2263.9
37.5°	2191.4	2187.9	2193.2	2189.7	2190.5
40°	2105.7	2103.9	2110.1	2107.5	2105.7
42.5°	2010.3	2010.3	2012.9	2013.8	2012.0
45°	1905.1	1903.4	1910.4	1906.0	1907.8
47.5°	1792.0	1789.4	1794.7	1793.8	1792.9
50°	1673.6	1671.8	1676.3	1671.8	1671.8
52.5°	1550.8	1549.9	1550.8	1546.4	1545.5
55°	1421.8	1416.5	1418.2	1415.6	1415.6
57.5°	1287.5	1281.3	1282.2	1281.3	1282.2
60°	1150.5	1148.7	1147.8	1143.4	1139.0
62.5°	1010.0	1011.8	1010.9	1004.7	1000.3
65°	868.6	875.7	867.7	865.1	858.0
67.5°	735.2	737.8	732.5	726.4	718.4
70°	600.9	606.2	597.3	591.2	584.1
72.5°	472.7	476.3	468.3	464.8	456.0
75°	362.3	363.2	351.7	349.9	341.1
77.5°	258.0	261.6	252.7	252.7	243.9
80°	173.2	179.4	169.7	167.0	160.8
82.5°	108.7	109.6	106.9	104.3	101.6
85°	56.6	58.3	56.6	54.8	54.8
87.5°	21.2	22.1	21.2	20.3	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)