

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: P412796

Luminaire Tested: **22PD-75-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412796
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-L840
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

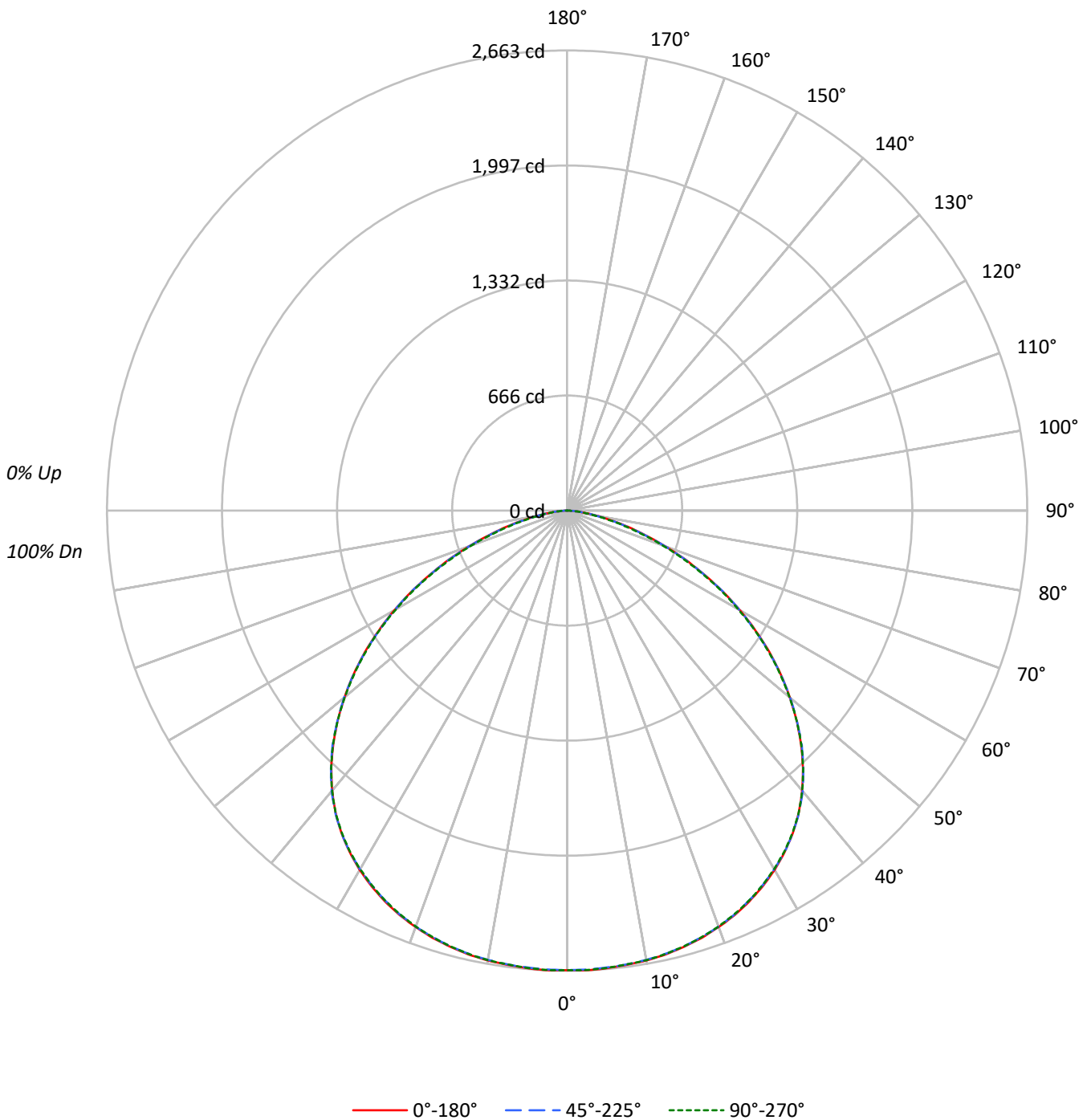
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7631.0 lumens
Efficiency: N/A
Efficacy: 113.1 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	52	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°	7157	7157	7157
5°	7180	7170	7175
10°	7224	7214	7219
15°	7281	7274	7274
20°	7344	7337	7334
25°	7410	7396	7396
30°	7461	7448	7445
35°	7483	7483	7474
40°	7434	7450	7434
45°	7287	7307	7297
50°	7042	7053	7034
55°	6704	6687	6675
60°	6223	6209	6161
65°	5559	5553	5491
70°	4751	4723	4618
75°	3786	3674	3564
80°	2698	2642	2504
85°	1754	1754	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	3.3
10°-20°	737.8	9.7
20°-30°	1148.8	15.1
30°-40°	1421.9	18.6
40°-50°	1474.4	19.3
50°-60°	1270.9	16.7
60°-70°	864.0	11.3
70°-80°	386.6	5.1
80°-90°	73.6	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°	2139.6	28.0
0°-40°	3561.5	46.7
0°-60°	6306.8	82.6
0°-90°	7631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2658	2653	2654	2654	2656	253
15°	2614	2609	2611	2609	2611	739
25°	2496	2492	2491	2490	2491	1151
35°	2278	2275	2278	2274	2275	1423
45°	1915	1913	1920	1916	1917	1474
55°	1429	1424	1425	1423	1423	1274
65°	873	880	872	869	862	867
75°	364	365	353	352	343	392
85°	57	59	57	55	55	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2659.7	2659.7	2659.7	2659.7	2659.7
2.5°	2663.3	2658.0	2658.0	2658.9	2661.5
5°	2658.0	2652.6	2654.4	2653.5	2656.2
7.5°	2650.9	2646.4	2649.1	2647.3	2649.1
10°	2643.8	2639.3	2640.2	2639.3	2642.0
12.5°	2631.3	2626.0	2627.8	2627.8	2628.7
15°	2613.6	2609.1	2610.9	2609.1	2610.9
17.5°	2592.3	2586.9	2587.8	2586.9	2588.7
20°	2564.7	2561.2	2562.1	2560.3	2561.2
22.5°	2533.6	2529.2	2530.1	2528.3	2528.3
25°	2495.5	2491.9	2491.0	2490.1	2491.0
27.5°	2451.0	2446.6	2446.6	2445.7	2445.7
30°	2401.3	2396.9	2396.9	2396.0	2396.0
32.5°	2342.7	2340.9	2341.8	2340.0	2339.2
35°	2277.9	2275.2	2277.9	2274.3	2275.2
37.5°	2202.4	2198.8	2204.2	2200.6	2201.5
40°	2116.3	2114.5	2120.7	2118.0	2116.3
42.5°	2020.3	2020.3	2023.0	2023.9	2022.1
45°	1914.7	1912.9	1920.0	1915.5	1917.3
47.5°	1801.0	1798.3	1803.7	1802.8	1801.9
50°	1682.0	1680.2	1684.7	1680.2	1680.2
52.5°	1558.5	1557.7	1558.5	1554.1	1553.2
55°	1428.9	1423.6	1425.3	1422.7	1422.7
57.5°	1293.9	1287.7	1288.6	1287.7	1288.6
60°	1156.3	1154.5	1153.6	1149.2	1144.7
62.5°	1015.1	1016.8	1015.9	1009.7	1005.3
65°	873.0	880.1	872.1	869.4	862.3
67.5°	738.9	741.5	736.2	730.0	722.0
70°	603.9	609.2	600.3	594.1	587.0
72.5°	475.1	478.7	470.7	467.1	458.2
75°	364.1	365.0	353.4	351.7	342.8
77.5°	259.3	262.9	254.0	254.0	245.1
80°	174.1	180.3	170.5	167.8	161.6
82.5°	109.2	110.1	107.5	104.8	102.1
85°	56.8	58.6	56.8	55.1	55.1
87.5°	21.3	22.2	21.3	20.4	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)