

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: P412721

Luminaire Tested: **22PD-30-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412721
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-30-PP3-L950
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

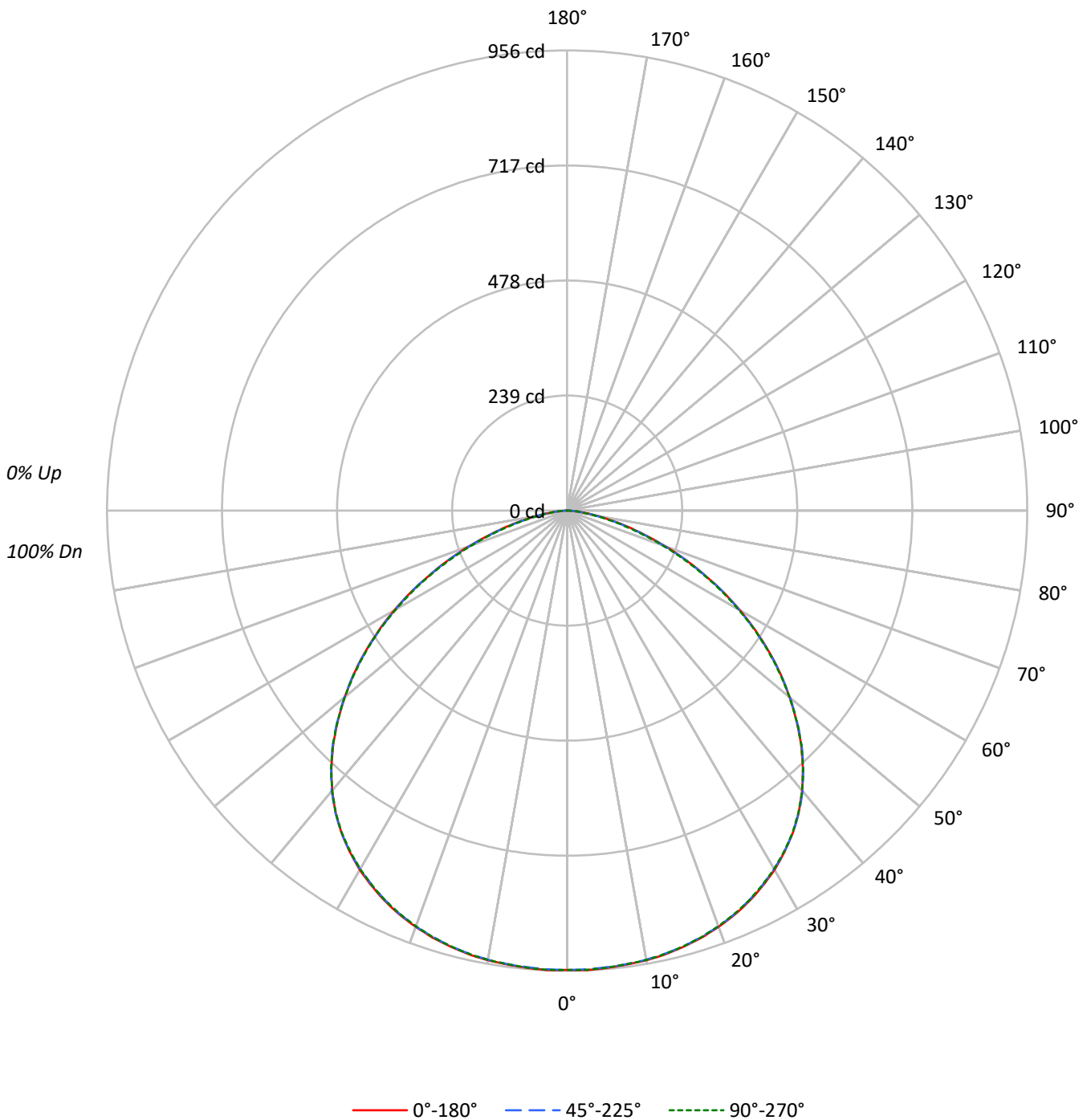
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2738.0 lumens
Efficiency: N/A
Efficacy: 110.0 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): 24.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	2568	2568	2568
5°	2576	2573	2574
10°	2592	2588	2590
15°	2612	2610	2610
20°	2635	2633	2631
25°	2659	2654	2654
30°	2677	2672	2671
35°	2685	2685	2682
40°	2667	2673	2667
45°	2614	2622	2618
50°	2527	2531	2524
55°	2405	2399	2395
60°	2233	2228	2210
65°	1994	1992	1970
70°	1705	1695	1657
75°	1358	1318	1279
80°	969	948	899
85°	630	630	611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	3.3
10°-20°	264.7	9.7
20°-30°	412.2	15.1
30°-40°	510.2	18.6
40°-50°	529.0	19.3
50°-60°	456.0	16.7
60°-70°	310.0	11.3
70°-80°	138.7	5.1
80°-90°	26.4	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°	767.7	28.0
0°-40°	1277.9	46.7
0°-60°	2262.9	82.6
0°-90°	2738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	954	952	952	952	953	91
15°	938	936	937	936	937	265
25°	895	894	894	894	894	413
35°	817	816	817	816	816	511
45°	687	686	689	687	688	529
55°	513	511	511	510	510	457
65°	313	316	313	312	309	311
75°	131	131	127	126	123	141
85°	20	21	20	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.3	954.3	954.3	954.3	954.3
2.5°	955.6	953.7	953.7	954.0	955.0
5°	953.7	951.8	952.4	952.1	953.0
7.5°	951.1	949.5	950.5	949.9	950.5
10°	948.6	947.0	947.3	947.0	947.9
12.5°	944.1	942.2	942.8	942.8	943.2
15°	937.7	936.2	936.8	936.2	936.8
17.5°	930.1	928.2	928.5	928.2	928.8
20°	920.2	918.9	919.3	918.6	918.9
22.5°	909.1	907.5	907.8	907.2	907.2
25°	895.4	894.1	893.8	893.5	893.8
27.5°	879.4	877.8	877.8	877.5	877.5
30°	861.6	860.0	860.0	859.7	859.7
32.5°	840.6	839.9	840.2	839.6	839.3
35°	817.3	816.3	817.3	816.0	816.3
37.5°	790.2	788.9	790.9	789.6	789.9
40°	759.3	758.7	760.9	759.9	759.3
42.5°	724.9	724.9	725.9	726.2	725.5
45°	687.0	686.3	688.9	687.3	687.9
47.5°	646.2	645.2	647.1	646.8	646.5
50°	603.5	602.9	604.5	602.9	602.9
52.5°	559.2	558.9	559.2	557.6	557.3
55°	512.7	510.8	511.4	510.5	510.5
57.5°	464.3	462.0	462.3	462.0	462.3
60°	414.9	414.2	413.9	412.3	410.7
62.5°	364.2	364.8	364.5	362.3	360.7
65°	313.2	315.8	312.9	311.9	309.4
67.5°	265.1	266.1	264.1	261.9	259.1
70°	216.7	218.6	215.4	213.2	210.6
72.5°	170.5	171.7	168.9	167.6	164.4
75°	130.6	131.0	126.8	126.2	123.0
77.5°	93.0	94.3	91.1	91.1	87.9
80°	62.5	64.7	61.2	60.2	58.0
82.5°	39.2	39.5	38.6	37.6	36.6
85°	20.4	21.0	20.4	19.8	19.8
87.5°	7.6	8.0	7.6	7.3	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)