

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: P412703

Luminaire Tested: **22PD-20-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412703
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-20-PP3-L950
Description: 2000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

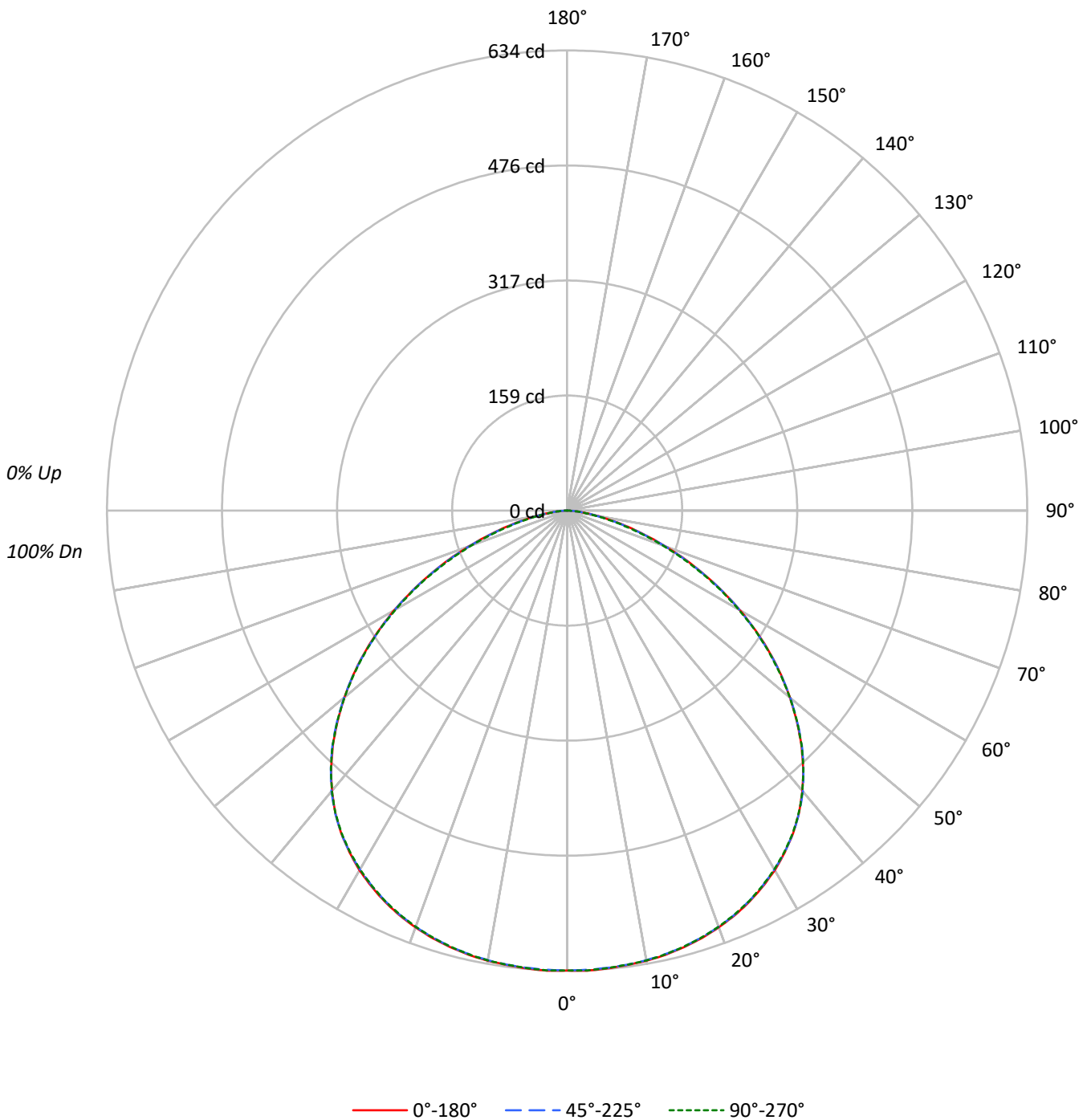
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1818.0 lumens
Efficiency: N/A
Efficacy: 107.6 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): 16.9
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°	1705	1705	1705
5°	1710	1708	1709
10°	1721	1719	1720
15°	1735	1733	1733
20°	1750	1748	1747
25°	1765	1762	1762
30°	1778	1774	1774
35°	1783	1783	1781
40°	1771	1775	1771
45°	1736	1741	1738
50°	1677	1680	1676
55°	1597	1593	1590
60°	1483	1479	1468
65°	1324	1323	1308
70°	1132	1125	1100
75°	901	875	849
80°	643	629	597
85°	417	417	404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.3
10°-20°	175.8	9.7
20°-30°	273.7	15.1
30°-40°	338.7	18.6
40°-50°	351.3	19.3
50°-60°	302.8	16.7
60°-70°	205.8	11.3
70°-80°	92.1	5.1
80°-90°	17.5	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°	509.7	28.0
0°-40°	848.5	46.7
0°-60°	1502.5	82.6
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	633	632	632	632	633	60
15°	623	622	622	622	622	176
25°	594	594	594	593	594	274
35°	543	542	543	542	542	339
45°	456	456	457	456	457	351
55°	340	339	340	339	339	304
65°	208	210	208	207	205	207
75°	87	87	84	84	82	93
85°	14	14	14	13	13	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	633.7	633.7	633.7	633.7	633.7
2.5°	634.5	633.2	633.2	633.4	634.1
5°	633.2	632.0	632.4	632.2	632.8
7.5°	631.5	630.5	631.1	630.7	631.1
10°	629.8	628.8	629.0	628.8	629.4
12.5°	626.9	625.6	626.0	626.0	626.2
15°	622.7	621.6	622.0	621.6	622.0
17.5°	617.6	616.3	616.5	616.3	616.7
20°	611.0	610.2	610.4	610.0	610.2
22.5°	603.6	602.6	602.8	602.3	602.3
25°	594.5	593.7	593.5	593.2	593.5
27.5°	583.9	582.9	582.9	582.7	582.7
30°	572.1	571.0	571.0	570.8	570.8
32.5°	558.1	557.7	557.9	557.5	557.3
35°	542.7	542.0	542.7	541.8	542.0
37.5°	524.7	523.8	525.1	524.3	524.5
40°	504.2	503.7	505.2	504.6	504.2
42.5°	481.3	481.3	482.0	482.2	481.7
45°	456.1	455.7	457.4	456.4	456.8
47.5°	429.1	428.4	429.7	429.5	429.3
50°	400.7	400.3	401.3	400.3	400.3
52.5°	371.3	371.1	371.3	370.2	370.0
55°	340.4	339.1	339.6	338.9	338.9
57.5°	308.3	306.8	307.0	306.8	307.0
60°	275.5	275.0	274.8	273.8	272.7
62.5°	241.8	242.2	242.0	240.6	239.5
65°	208.0	209.7	207.8	207.1	205.4
67.5°	176.0	176.7	175.4	173.9	172.0
70°	143.9	145.1	143.0	141.5	139.8
72.5°	113.2	114.0	112.1	111.3	109.2
75°	86.7	87.0	84.2	83.8	81.7
77.5°	61.8	62.6	60.5	60.5	58.4
80°	41.5	42.9	40.6	40.0	38.5
82.5°	26.0	26.2	25.6	25.0	24.3
85°	13.5	14.0	13.5	13.1	13.1
87.5°	5.1	5.3	5.1	4.9	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)