

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: P413153

Luminaire Tested: **22PD-80-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-80-PC3-L950
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

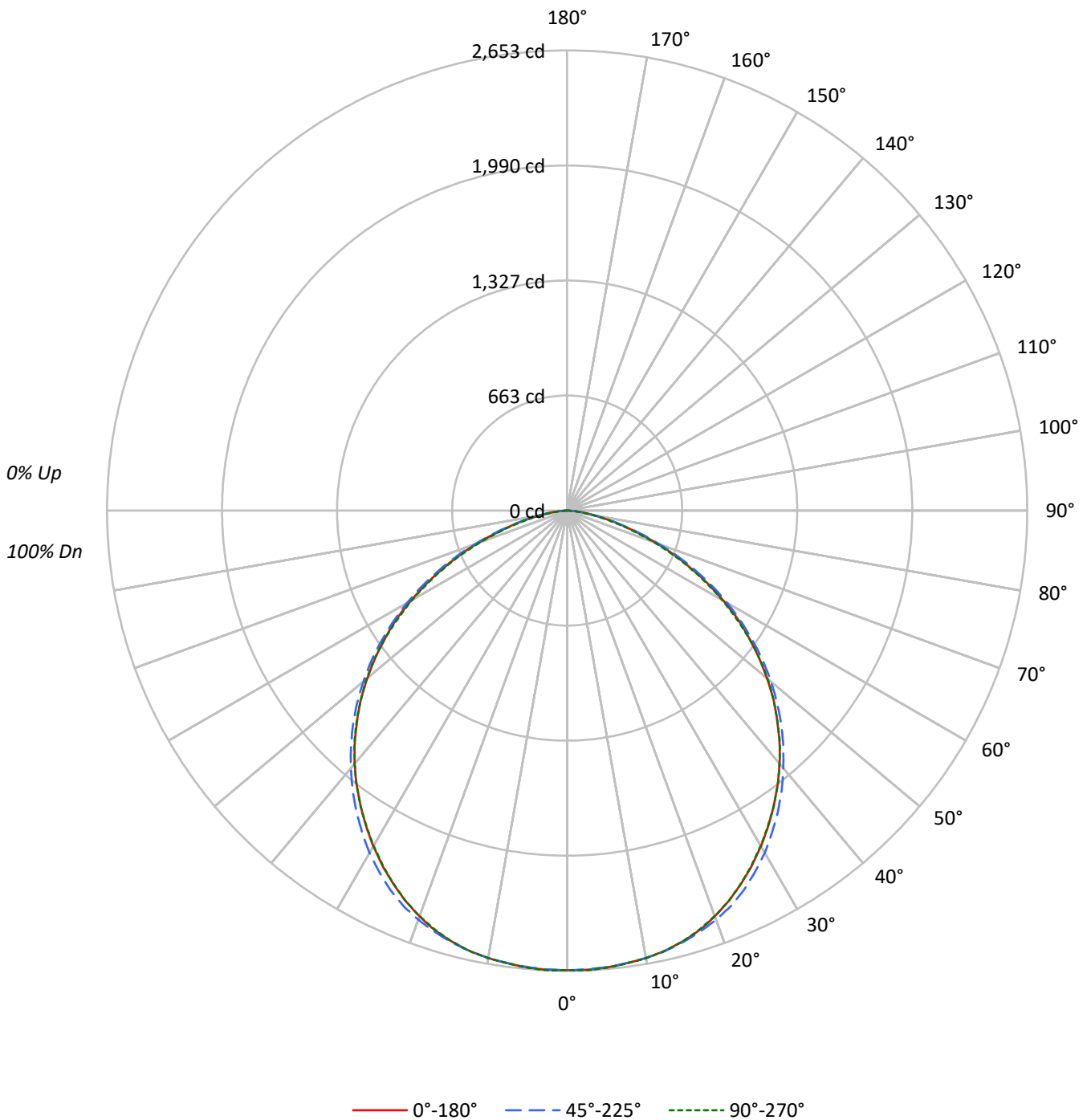
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7119.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 72.6
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	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7131	7131	7131
5°	7140	7135	7145
10°	7158	7156	7158
15°	7166	7176	7164
20°	7130	7188	7125
25°	7047	7163	7042
30°	6943	7079	6933
35°	6822	6958	6822
40°	6694	6813	6694
45°	6518	6646	6527
50°	6295	6419	6320
55°	6003	6122	6003
60°	5598	5738	5562
65°	5023	5200	4959
70°	4297	4450	4172
75°	3409	3505	3234
80°	2442	2534	2325
85°	1615	1664	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	3.5
10°-20°	726.2	10.2
20°-30°	1101.8	15.5
30°-40°	1315.8	18.5
40°-50°	1338.2	18.8
50°-60°	1157.5	16.3
60°-70°	796.5	11.2
70°-80°	361.5	5.1
80°-90°	70.0	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°	2079.5	29.2
0°-40°	3395.3	47.7
0°-60°	5891.1	82.8
0°-90°	7119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2643	2641	2642	2642	2645	252
15°	2572	2574	2576	2572	2572	726
25°	2374	2395	2412	2390	2372	1093
35°	2077	2114	2118	2110	2077	1299
45°	1713	1744	1746	1745	1715	1321
55°	1280	1301	1305	1302	1280	1143
65°	789	811	817	810	779	783
75°	328	340	337	334	311	353
85°	52	56	54	52	49	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2650.0	2650.0	2650.0	2650.0	2650.0
2.5°	2650.0	2646.6	2647.4	2648.3	2653.3
5°	2643.2	2640.7	2641.5	2641.5	2644.9
7.5°	2632.3	2631.4	2631.4	2630.6	2633.1
10°	2619.6	2617.9	2618.8	2617.9	2619.6
12.5°	2600.2	2600.2	2601.1	2598.6	2600.2
15°	2572.4	2574.1	2575.8	2571.6	2571.6
17.5°	2537.0	2541.2	2545.5	2537.9	2533.7
20°	2489.8	2499.9	2510.1	2498.3	2488.1
22.5°	2435.0	2451.9	2467.1	2448.5	2435.0
25°	2373.5	2394.6	2412.3	2390.4	2371.8
27.5°	2306.9	2330.5	2347.4	2328.8	2303.5
30°	2234.4	2263.1	2278.3	2260.6	2231.1
32.5°	2156.9	2190.6	2199.9	2188.9	2155.2
35°	2076.8	2113.9	2118.1	2110.5	2076.8
37.5°	1993.4	2028.8	2032.1	2027.9	1993.4
40°	1905.7	1938.6	1939.4	1939.4	1905.7
42.5°	1812.2	1844.2	1844.2	1843.3	1814.7
45°	1712.7	1743.9	1746.4	1744.7	1715.2
47.5°	1614.1	1637.7	1641.9	1638.5	1612.4
50°	1503.7	1528.1	1533.2	1529.8	1509.6
52.5°	1394.1	1416.9	1421.9	1419.4	1396.6
55°	1279.5	1301.4	1304.8	1302.2	1279.5
57.5°	1169.1	1183.4	1186.8	1181.7	1153.0
60°	1040.1	1060.3	1066.2	1060.3	1033.4
62.5°	915.4	937.3	942.3	933.9	905.2
65°	788.9	810.8	816.7	810.0	778.8
67.5°	669.2	685.2	690.3	682.7	654.1
70°	546.2	566.4	565.6	555.4	530.2
72.5°	424.8	452.6	447.6	441.7	413.8
75°	327.9	340.5	337.1	333.8	311.0
77.5°	234.3	249.5	241.1	241.9	222.5
80°	157.6	171.9	163.5	160.1	150.0
82.5°	100.3	106.2	104.5	102.8	93.6
85°	52.3	55.6	53.9	52.3	48.9
87.5°	20.2	21.9	20.2	20.2	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)