

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: P412808

Luminaire Tested: **22PD-80-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412808
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-80-PP3-L930
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

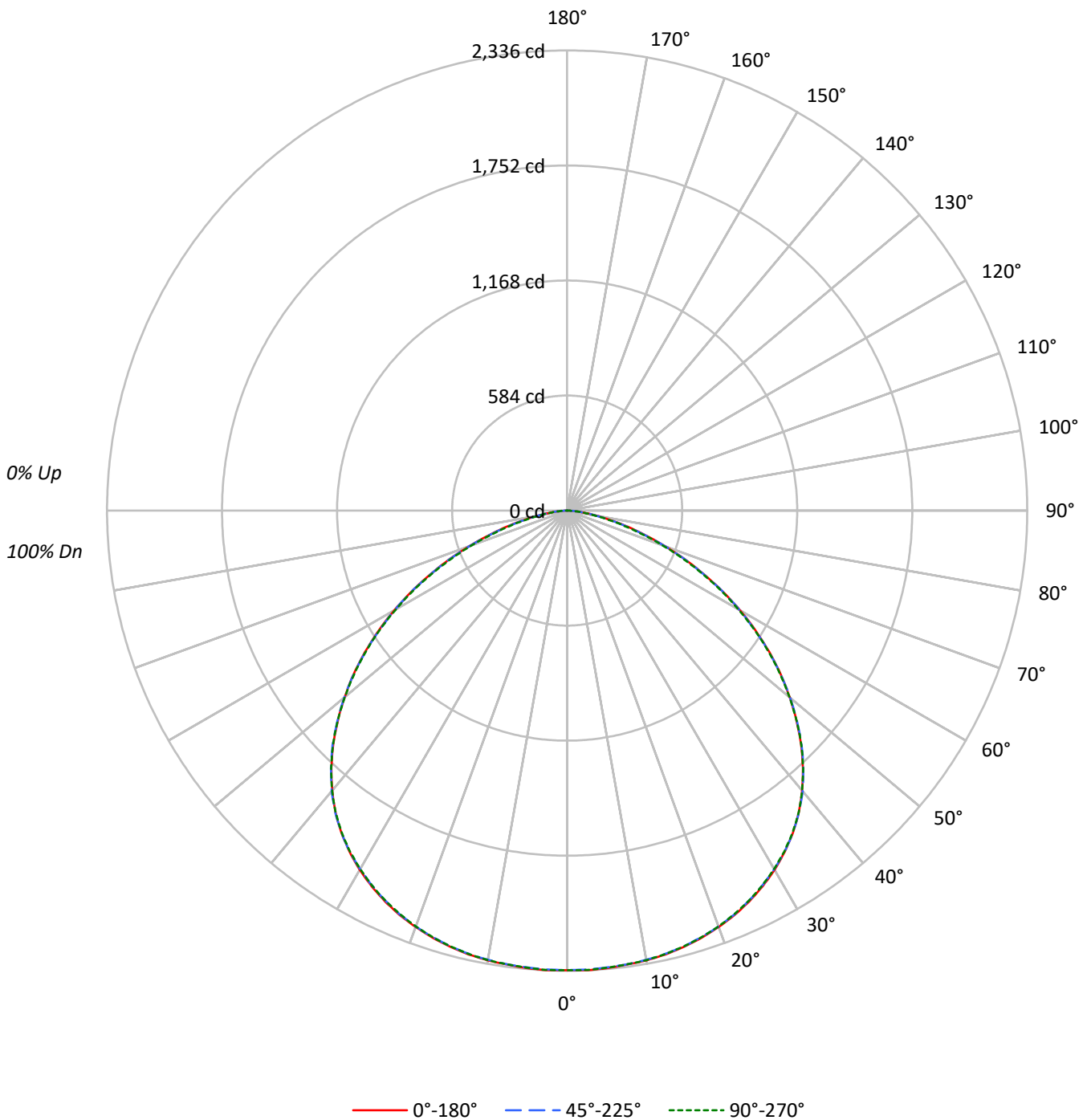
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6693.0 lumens
Efficiency: N/A
Efficacy: 92.2 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): 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	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°	6278	6278	6278
5°	6297	6289	6293
10°	6336	6328	6332
15°	6386	6380	6380
20°	6442	6435	6433
25°	6499	6487	6487
30°	6544	6532	6530
35°	6563	6563	6555
40°	6520	6534	6520
45°	6391	6409	6400
50°	6176	6186	6170
55°	5880	5865	5854
60°	5458	5445	5403
65°	4876	4870	4816
70°	4168	4142	4051
75°	3320	3223	3126
80°	2366	2317	2197
85°	1538	1538	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	3.3
10°-20°	647.1	9.7
20°-30°	1007.6	15.1
30°-40°	1247.1	18.6
40°-50°	1293.2	19.3
50°-60°	1114.6	16.7
60°-70°	757.8	11.3
70°-80°	339.1	5.1
80°-90°	64.6	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°	1876.6	28.0
0°-40°	3123.7	46.7
0°-60°	5531.5	82.6
0°-90°	6693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2333	2333	2333	2333	2333	
5°	2331	2327	2328	2327	2330	222
15°	2292	2288	2290	2288	2290	648
25°	2189	2186	2185	2184	2185	1009
35°	1998	1996	1998	1995	1996	1248
45°	1679	1678	1684	1680	1682	1292
55°	1253	1249	1250	1248	1248	1117
65°	766	772	765	762	756	760
75°	319	320	310	308	301	344
85°	50	51	50	48	48	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2332.8	2332.8	2332.8	2332.8	2332.8
2.5°	2335.9	2331.3	2331.3	2332.0	2334.4
5°	2331.3	2326.6	2328.1	2327.4	2329.7
7.5°	2325.0	2321.1	2323.5	2321.9	2323.5
10°	2318.8	2314.9	2315.7	2314.9	2317.2
12.5°	2307.9	2303.2	2304.8	2304.8	2305.5
15°	2292.3	2288.4	2290.0	2288.4	2290.0
17.5°	2273.6	2268.9	2269.7	2268.9	2270.5
20°	2249.5	2246.4	2247.1	2245.6	2246.4
22.5°	2222.2	2218.3	2219.1	2217.5	2217.5
25°	2188.7	2185.6	2184.8	2184.0	2184.8
27.5°	2149.8	2145.9	2145.9	2145.1	2145.1
30°	2106.1	2102.3	2102.3	2101.5	2101.5
32.5°	2054.7	2053.2	2054.0	2052.4	2051.6
35°	1997.9	1995.5	1997.9	1994.8	1995.5
37.5°	1931.7	1928.6	1933.2	1930.1	1930.9
40°	1856.1	1854.6	1860.0	1857.7	1856.1
42.5°	1772.0	1772.0	1774.3	1775.1	1773.6
45°	1679.3	1677.8	1684.0	1680.1	1681.6
47.5°	1579.6	1577.3	1581.9	1581.2	1580.4
50°	1475.2	1473.7	1477.6	1473.7	1473.7
52.5°	1367.0	1366.2	1367.0	1363.1	1362.3
55°	1253.3	1248.6	1250.1	1247.8	1247.8
57.5°	1134.9	1129.4	1130.2	1129.4	1130.2
60°	1014.1	1012.6	1011.8	1007.9	1004.0
62.5°	890.3	891.8	891.1	885.6	881.7
65°	765.7	771.9	764.9	762.5	756.3
67.5°	648.0	650.4	645.7	640.3	633.2
70°	529.7	534.3	526.5	521.1	514.9
72.5°	416.7	419.8	412.8	409.7	401.9
75°	319.3	320.1	310.0	308.4	300.7
77.5°	227.4	230.6	222.8	222.8	215.0
80°	152.7	158.1	149.5	147.2	141.8
82.5°	95.8	96.6	94.2	91.9	89.6
85°	49.8	51.4	49.8	48.3	48.3
87.5°	18.7	19.5	18.7	17.9	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)