

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: P413114

Luminaire Tested: **22PD-60-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413114
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-60-PC3-L930
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

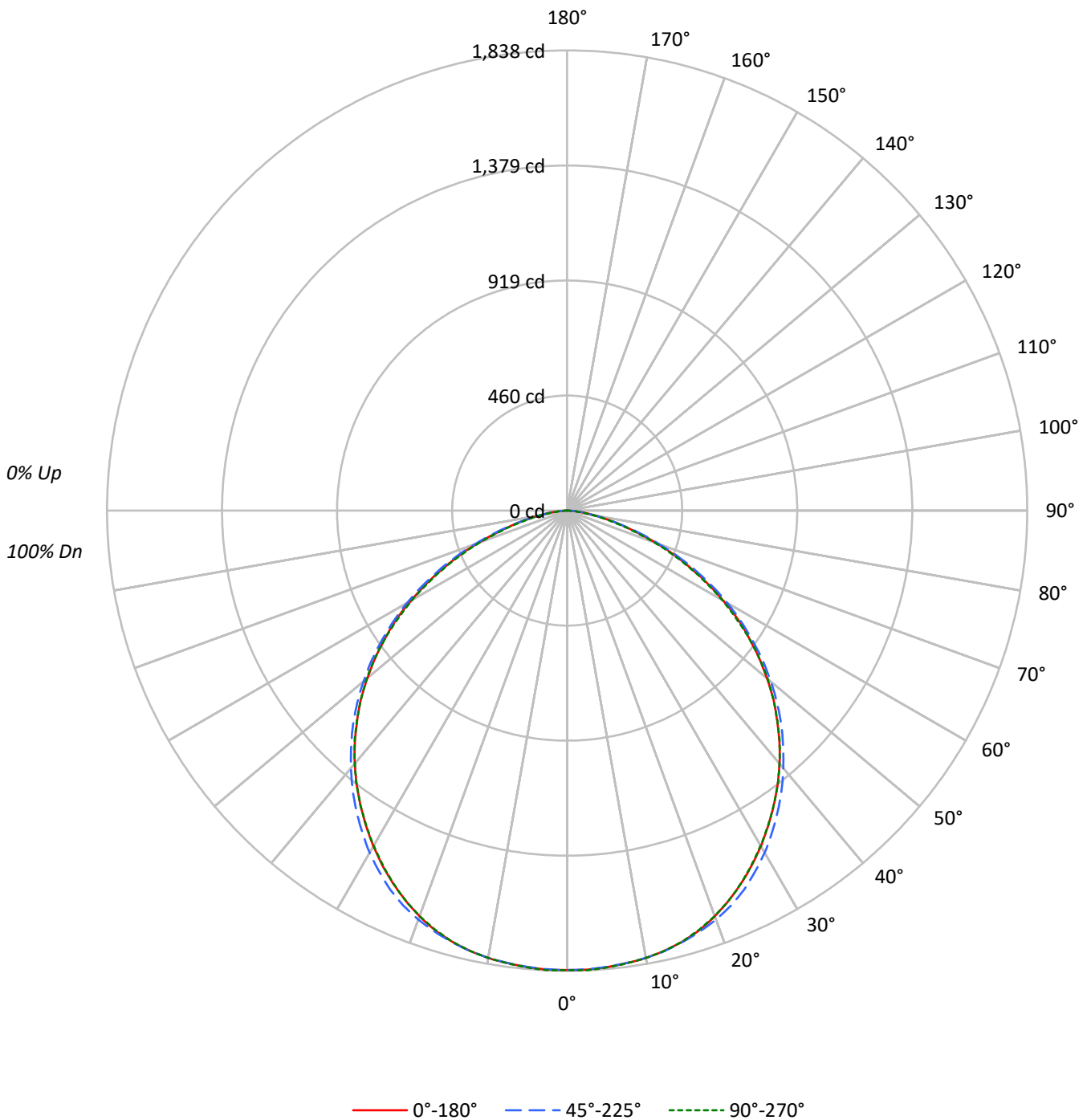
Lumens per Lamp: N/A
Luminaire Lumens: 4931.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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

TEST NUMBER: P413114

CATALOG NUMBER: 22PD-60-PC3-L930

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°	4939	4939	4939
5°	4945	4942	4949
10°	4958	4956	4958
15°	4964	4970	4962
20°	4939	4979	4935
25°	4881	4961	4878
30°	4809	4903	4802
35°	4726	4820	4726
40°	4637	4719	4637
45°	4515	4604	4521
50°	4360	4446	4377
55°	4158	4240	4158
60°	3877	3975	3852
65°	3479	3602	3435
70°	2976	3082	2889
75°	2361	2428	2240
80°	1692	1756	1610
85°	1118	1155	1047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	3.5
10°-20°	503.0	10.2
20°-30°	763.2	15.5
30°-40°	911.4	18.5
40°-50°	926.9	18.8
50°-60°	801.8	16.3
60°-70°	551.7	11.2
70°-80°	250.4	5.1
80°-90°	48.5	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°	1440.4	29.2
0°-40°	2351.8	47.7
0°-60°	4080.5	82.8
0°-90°	4931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1831	1829	1830	1830	1832	174
15°	1782	1783	1784	1781	1781	503
25°	1644	1659	1671	1656	1643	757
35°	1438	1464	1467	1462	1438	900
45°	1186	1208	1210	1208	1188	915
55°	886	901	904	902	886	792
65°	546	562	566	561	539	542
75°	227	236	234	231	215	244
85°	36	38	37	36	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1835.5	1835.5	1835.5	1835.5	1835.5
2.5°	1835.5	1833.2	1833.8	1834.3	1837.8
5°	1830.8	1829.1	1829.7	1829.7	1832.0
7.5°	1823.2	1822.7	1822.7	1822.1	1823.8
10°	1814.5	1813.3	1813.9	1813.3	1814.5
12.5°	1801.1	1801.1	1801.6	1799.9	1801.1
15°	1781.8	1783.0	1784.1	1781.2	1781.2
17.5°	1757.3	1760.2	1763.1	1757.9	1754.9
20°	1724.6	1731.6	1738.6	1730.4	1723.4
22.5°	1686.6	1698.3	1708.8	1696.0	1686.6
25°	1644.0	1658.6	1670.9	1655.7	1642.8
27.5°	1597.9	1614.2	1625.9	1613.1	1595.6
30°	1547.7	1567.5	1578.0	1565.8	1545.4
32.5°	1494.0	1517.3	1523.8	1516.2	1492.8
35°	1438.5	1464.2	1467.1	1461.9	1438.5
37.5°	1380.7	1405.2	1407.6	1404.7	1380.7
40°	1320.0	1342.8	1343.4	1343.4	1320.0
42.5°	1255.2	1277.4	1277.4	1276.8	1256.9
45°	1186.3	1207.9	1209.7	1208.5	1188.1
47.5°	1118.0	1134.3	1137.3	1134.9	1116.8
50°	1041.5	1058.5	1062.0	1059.6	1045.6
52.5°	965.6	981.4	984.9	983.1	967.4
55°	886.2	901.4	903.7	902.0	886.2
57.5°	809.7	819.7	822.0	818.5	798.7
60°	720.4	734.4	738.5	734.4	715.8
62.5°	634.0	649.2	652.7	646.9	627.0
65°	546.4	561.6	565.7	561.0	539.4
67.5°	463.5	474.6	478.1	472.9	453.0
70°	378.3	392.3	391.7	384.7	367.2
72.5°	294.2	313.5	310.0	305.9	286.7
75°	227.1	235.9	233.5	231.2	215.4
77.5°	162.3	172.8	167.0	167.6	154.1
80°	109.2	119.1	113.3	110.9	103.9
82.5°	69.5	73.6	72.4	71.2	64.8
85°	36.2	38.5	37.4	36.2	33.9
87.5°	14.0	15.2	14.0	14.0	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)