

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: P412791

Luminaire Tested: **22PD-70-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412791
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-70-PP3-L935
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

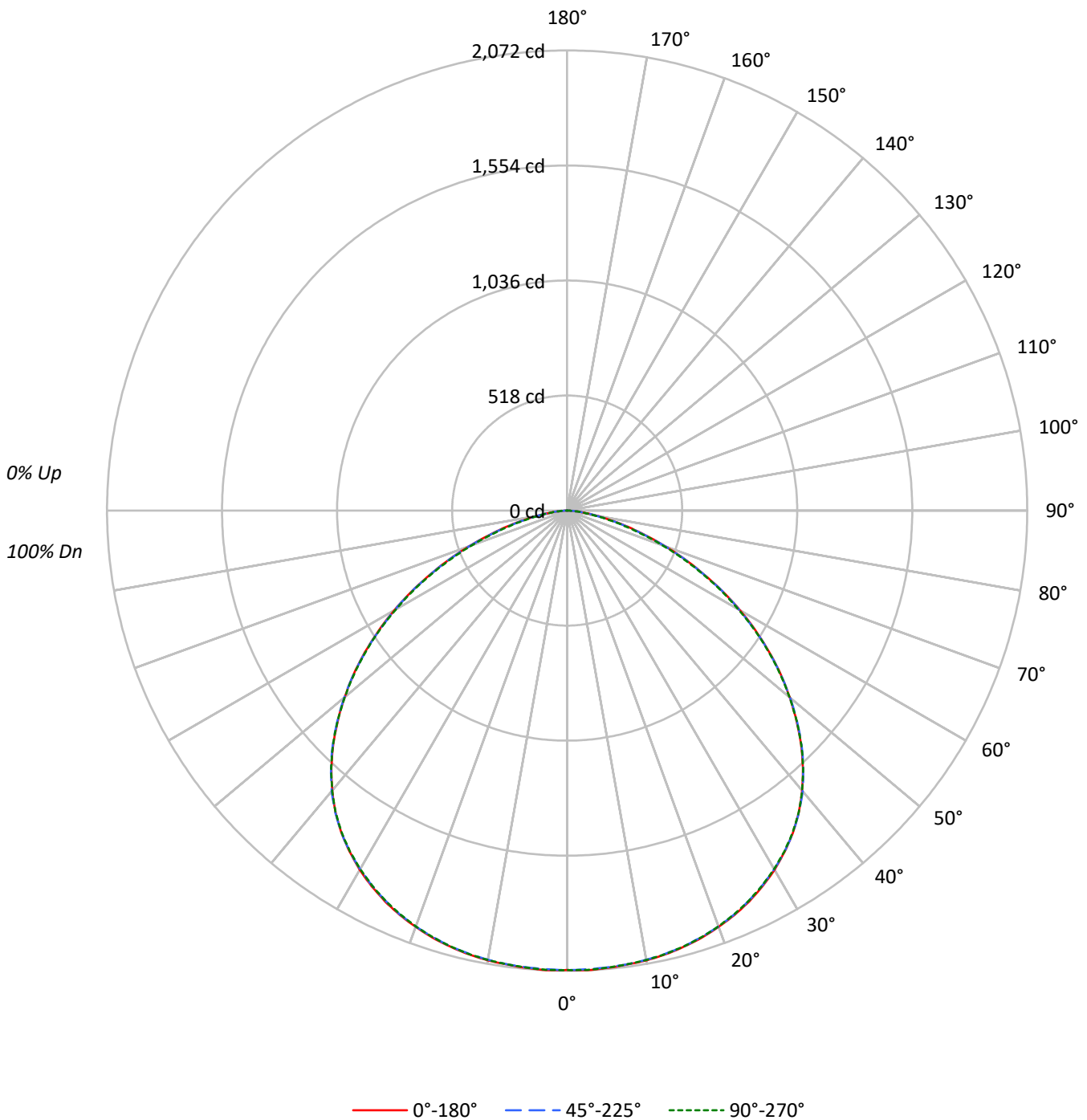
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5936.0 lumens
Efficiency: N/A
Efficacy: 94.2 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): 63
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: P412791
CATALOG NUMBER: 22PD-70-PP3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P412791

CATALOG NUMBER: 22PD-70-PP3-L935

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°	5568	5568	5568
5°	5585	5578	5581
10°	5619	5612	5616
15°	5664	5658	5658
20°	5713	5707	5705
25°	5764	5753	5753
30°	5804	5794	5791
35°	5821	5821	5814
40°	5783	5795	5783
45°	5668	5684	5676
50°	5478	5486	5472
55°	5215	5202	5192
60°	4841	4830	4792
65°	4324	4320	4271
70°	3696	3674	3592
75°	2944	2858	2773
80°	2098	2055	1948
85°	1365	1365	1321



TEST NUMBER: P412791

CATALOG NUMBER: 22PD-70-PP3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	3.3
10°-20°	573.9	9.7
20°-30°	893.7	15.1
30°-40°	1106.1	18.6
40°-50°	1146.9	19.3
50°-60°	988.6	16.7
60°-70°	672.1	11.3
70°-80°	300.7	5.1
80°-90°	57.3	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°	1664.3	28.0
0°-40°	2770.4	46.7
0°-60°	4905.9	82.6
0°-90°	5936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2069	2069	2069	2069	2069	
5°	2068	2063	2065	2064	2066	197
15°	2033	2030	2031	2030	2031	575
25°	1941	1938	1938	1937	1938	895
35°	1772	1770	1772	1769	1770	1107
45°	1489	1488	1494	1490	1491	1146
55°	1112	1107	1109	1107	1107	991
65°	679	685	678	676	671	674
75°	283	284	275	274	267	305
85°	44	46	44	43	43	58
90°	0	0	0	0	0	



TEST NUMBER: P412791

CATALOG NUMBER: 22PD-70-PP3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2069.0	2069.0	2069.0	2069.0	2069.0
2.5°	2071.7	2067.6	2067.6	2068.3	2070.3
5°	2067.6	2063.4	2064.8	2064.1	2066.2
7.5°	2062.1	2058.6	2060.7	2059.3	2060.7
10°	2056.5	2053.1	2053.8	2053.1	2055.1
12.5°	2046.9	2042.7	2044.1	2044.1	2044.8
15°	2033.0	2029.6	2031.0	2029.6	2031.0
17.5°	2016.5	2012.3	2013.0	2012.3	2013.7
20°	1995.0	1992.3	1993.0	1991.6	1992.3
22.5°	1970.9	1967.4	1968.1	1966.7	1966.7
25°	1941.2	1938.4	1937.7	1937.0	1937.7
27.5°	1906.6	1903.2	1903.2	1902.5	1902.5
30°	1867.9	1864.5	1864.5	1863.8	1863.8
32.5°	1822.3	1821.0	1821.7	1820.3	1819.6
35°	1771.9	1769.8	1771.9	1769.2	1769.8
37.5°	1713.2	1710.4	1714.6	1711.8	1712.5
40°	1646.2	1644.8	1649.6	1647.6	1646.2
42.5°	1571.6	1571.6	1573.7	1574.3	1573.0
45°	1489.4	1488.0	1493.5	1490.1	1491.4
47.5°	1401.0	1398.9	1403.0	1402.3	1401.6
50°	1308.4	1307.0	1310.5	1307.0	1307.0
52.5°	1212.4	1211.7	1212.4	1208.9	1208.2
55°	1111.5	1107.4	1108.7	1106.7	1106.7
57.5°	1006.5	1001.7	1002.4	1001.7	1002.4
60°	899.4	898.0	897.4	893.9	890.4
62.5°	789.6	791.0	790.3	785.4	782.0
65°	679.1	684.6	678.4	676.3	670.8
67.5°	574.7	576.8	572.7	567.8	561.6
70°	469.7	473.9	467.0	462.1	456.6
72.5°	369.6	372.3	366.1	363.4	356.5
75°	283.2	283.9	274.9	273.6	266.7
77.5°	201.7	204.5	197.6	197.6	190.7
80°	135.4	140.2	132.6	130.6	125.7
82.5°	85.0	85.7	83.6	81.5	79.4
85°	44.2	45.6	44.2	42.8	42.8
87.5°	16.6	17.3	16.6	15.9	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)