

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: P412767

Luminaire Tested: **22PD-60-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412767
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-60-PP3-L830
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

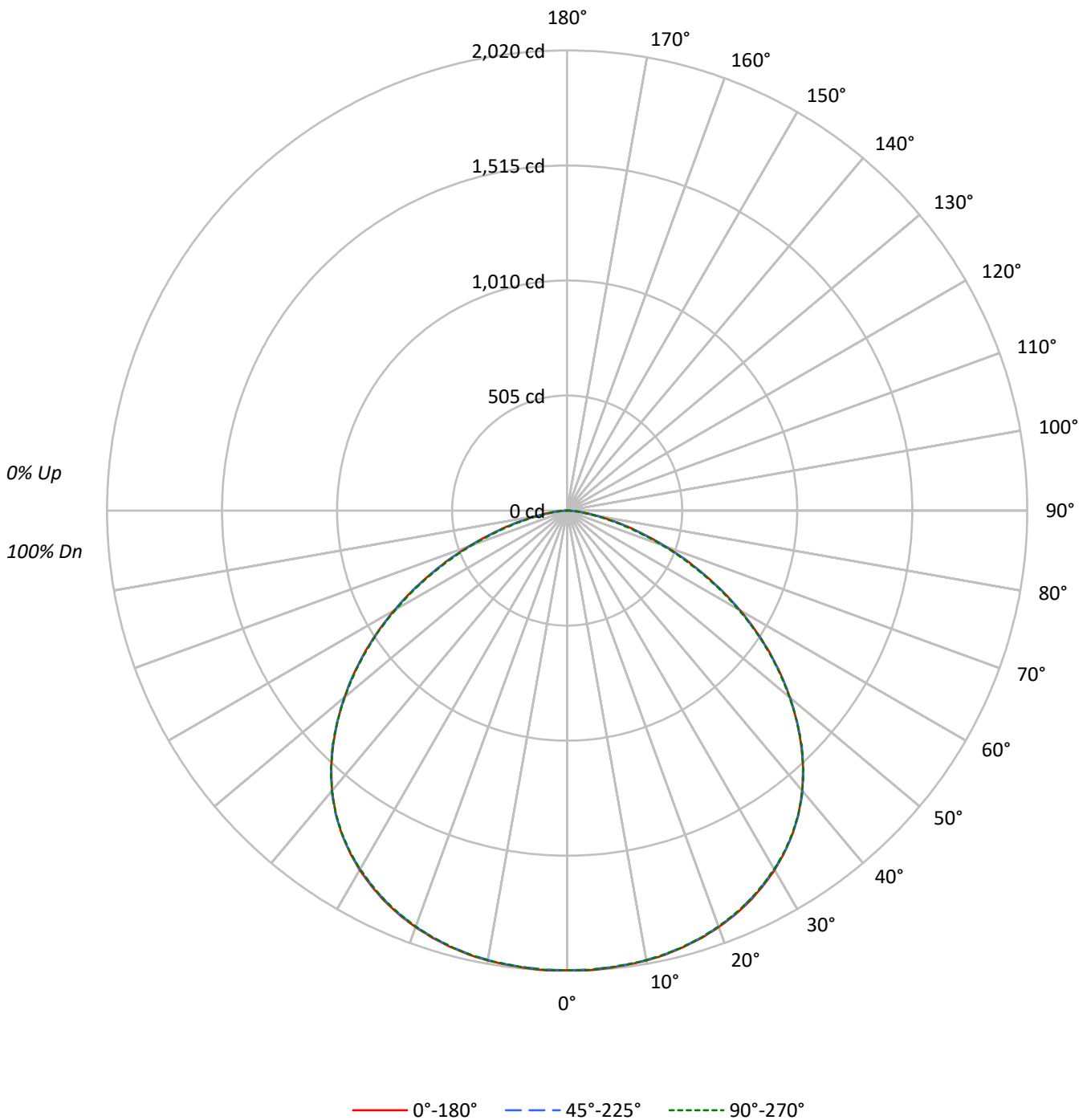
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5789.0 lumens
Efficiency: N/A
Efficacy: 108.0 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): 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: P412767
CATALOG NUMBER: 22PD-60-PP3-L830

Luminous Intensity Polar Plot





TEST NUMBER: P412767

CATALOG NUMBER: 22PD-60-PP3-L830

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°	5430	5430	5430
5°	5447	5440	5443
10°	5480	5473	5477
15°	5524	5518	5518
20°	5572	5566	5564
25°	5621	5611	5611
30°	5661	5650	5648
35°	5677	5677	5670
40°	5639	5651	5639
45°	5528	5543	5535
50°	5342	5350	5336
55°	5086	5073	5064
60°	4721	4710	4674
65°	4216	4213	4166
70°	3604	3583	3504
75°	2872	2787	2703
80°	2046	2004	1900
85°	1331	1331	1291



TEST NUMBER: P412767

CATALOG NUMBER: 22PD-60-PP3-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	3.3
10°-20°	559.7	9.7
20°-30°	871.5	15.1
30°-40°	1078.7	18.6
40°-50°	1118.5	19.3
50°-60°	964.1	16.7
60°-70°	655.5	11.3
70°-80°	293.3	5.1
80°-90°	55.9	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°	1623.1	28.0
0°-40°	2701.8	46.7
0°-60°	4784.4	82.6
0°-90°	5789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2018	2018	2018	2018	2018	
5°	2016	2012	2014	2013	2015	192
15°	1983	1979	1981	1979	1981	560
25°	1893	1890	1890	1889	1890	873
35°	1728	1726	1728	1725	1726	1079
45°	1452	1451	1456	1453	1454	1118
55°	1084	1080	1081	1079	1079	967
65°	662	668	662	660	654	658
75°	276	277	268	267	260	297
85°	43	44	43	42	42	57
90°	0	0	0	0	0	



TEST NUMBER: P412767

CATALOG NUMBER: 22PD-60-PP3-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2017.7	2017.7	2017.7	2017.7	2017.7
2.5°	2020.4	2016.4	2016.4	2017.1	2019.1
5°	2016.4	2012.3	2013.7	2013.0	2015.0
7.5°	2011.0	2007.6	2009.6	2008.3	2009.6
10°	2005.6	2002.2	2002.9	2002.2	2004.3
12.5°	1996.2	1992.1	1993.5	1993.5	1994.1
15°	1982.7	1979.3	1980.7	1979.3	1980.7
17.5°	1966.5	1962.5	1963.2	1962.5	1963.8
20°	1945.6	1942.9	1943.6	1942.3	1942.9
22.5°	1922.1	1918.7	1919.4	1918.0	1918.0
25°	1893.1	1890.4	1889.7	1889.0	1889.7
27.5°	1859.4	1856.0	1856.0	1855.4	1855.4
30°	1821.7	1818.3	1818.3	1817.6	1817.6
32.5°	1777.2	1775.9	1776.5	1775.2	1774.5
35°	1728.0	1726.0	1728.0	1725.3	1726.0
37.5°	1670.8	1668.1	1672.1	1669.4	1670.1
40°	1605.4	1604.1	1608.8	1606.8	1605.4
42.5°	1532.7	1532.7	1534.7	1535.4	1534.0
45°	1452.5	1451.1	1456.5	1453.2	1454.5
47.5°	1366.3	1364.2	1368.3	1367.6	1366.9
50°	1276.0	1274.6	1278.0	1274.6	1274.6
52.5°	1182.3	1181.7	1182.3	1179.0	1178.3
55°	1084.0	1079.9	1081.3	1079.3	1079.3
57.5°	981.6	976.9	977.5	976.9	977.5
60°	877.2	875.8	875.1	871.8	868.4
62.5°	770.0	771.4	770.7	766.0	762.6
65°	662.2	667.6	661.6	659.6	654.2
67.5°	560.5	562.5	558.5	553.8	547.7
70°	458.1	462.2	455.4	450.7	445.3
72.5°	360.4	363.1	357.1	354.4	347.6
75°	276.2	276.9	268.1	266.8	260.0
77.5°	196.7	199.4	192.7	192.7	185.9
80°	132.0	136.8	129.3	127.3	122.6
82.5°	82.9	83.5	81.5	79.5	77.5
85°	43.1	44.5	43.1	41.8	41.8
87.5°	16.2	16.8	16.2	15.5	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)