

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: P412798

Luminaire Tested: **22PD-75-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412798
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-75-PP3-L927
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

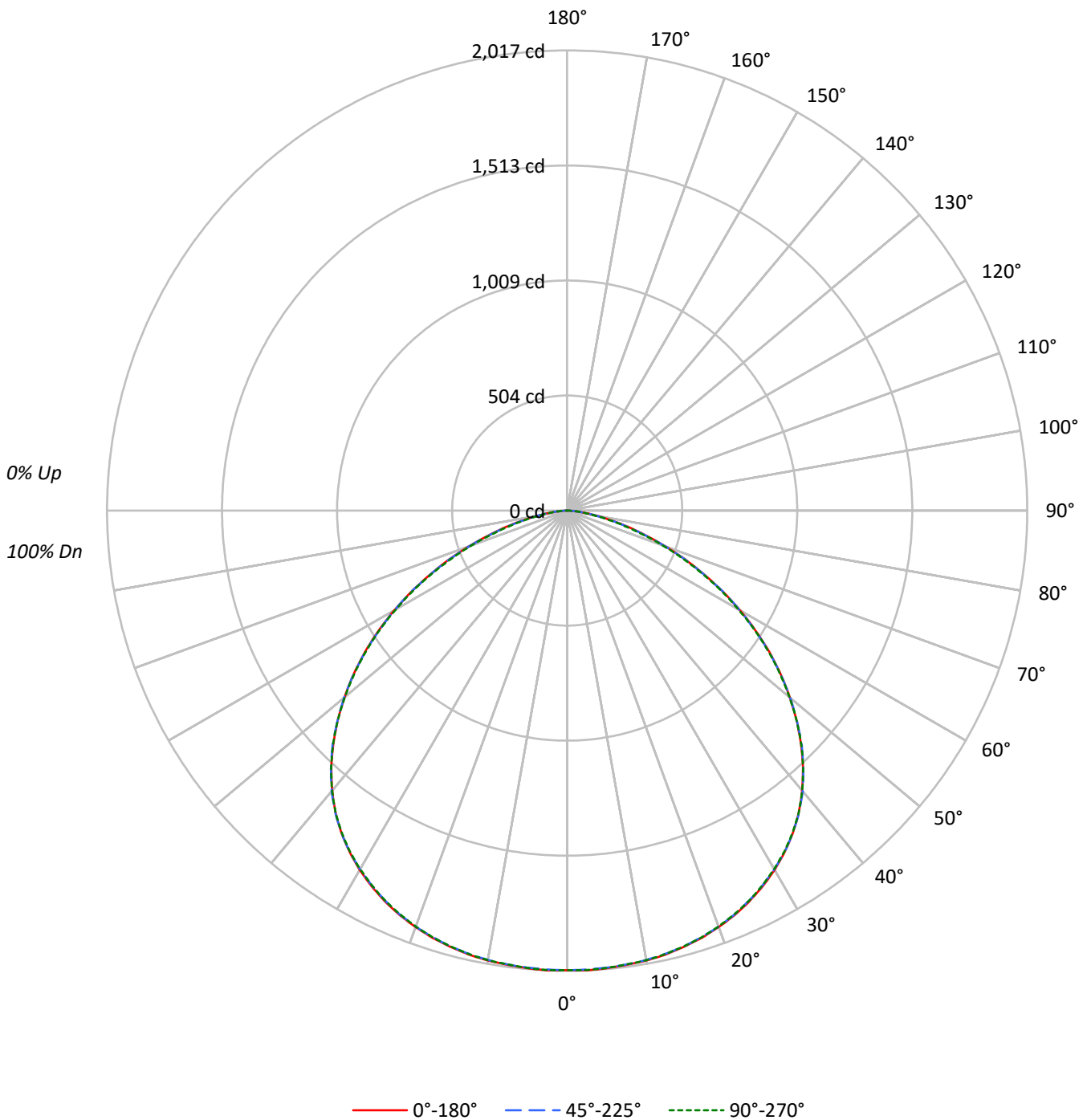
Lumens per Lamp: N/A
Luminaire Lumens: 5780.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 67.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P412798

CATALOG NUMBER: 22PD-75-PP3-L927

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°	5421	5421	5421
5°	5438	5431	5435
10°	5472	5464	5468
15°	5515	5509	5509
20°	5563	5557	5555
25°	5612	5602	5602
30°	5652	5641	5639
35°	5668	5668	5661
40°	5631	5643	5631
45°	5519	5535	5527
50°	5333	5342	5328
55°	5078	5065	5056
60°	4714	4703	4666
65°	4210	4206	4159
70°	3599	3578	3498
75°	2868	2783	2699
80°	2042	2001	1897
85°	1328	1328	1288



TEST NUMBER: P412798

CATALOG NUMBER: 22PD-75-PP3-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	3.3
10°-20°	558.8	9.7
20°-30°	870.2	15.1
30°-40°	1077.0	18.6
40°-50°	1116.8	19.3
50°-60°	962.6	16.7
60°-70°	654.4	11.3
70°-80°	292.8	5.1
80°-90°	55.7	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°	1620.6	28.0
0°-40°	2697.6	46.7
0°-60°	4777.0	82.6
0°-90°	5780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2015	2015	2015	2015	2015	
5°	2013	2009	2011	2010	2012	192
15°	1980	1976	1978	1976	1978	560
25°	1890	1888	1887	1886	1887	872
35°	1725	1723	1725	1723	1723	1078
45°	1450	1449	1454	1451	1452	1116
55°	1082	1078	1080	1078	1078	965
65°	661	667	660	658	653	657
75°	276	276	268	266	260	297
85°	43	44	43	42	42	56
90°	0	0	0	0	0	



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CATALOG NUMBER: 22PD-75-PP3-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.6	2014.6	2014.6	2014.6	2014.6
2.5°	2017.3	2013.2	2013.2	2013.9	2015.9
5°	2013.2	2009.2	2010.6	2009.9	2011.9
7.5°	2007.9	2004.5	2006.5	2005.2	2006.5
10°	2002.5	1999.1	1999.8	1999.1	2001.1
12.5°	1993.1	1989.0	1990.4	1990.4	1991.0
15°	1979.6	1976.2	1977.6	1976.2	1977.6
17.5°	1963.5	1959.4	1960.1	1959.4	1960.8
20°	1942.6	1939.9	1940.6	1939.3	1939.9
22.5°	1919.1	1915.7	1916.4	1915.0	1915.0
25°	1890.1	1887.5	1886.8	1886.1	1886.8
27.5°	1856.5	1853.2	1853.2	1852.5	1852.5
30°	1818.8	1815.5	1815.5	1814.8	1814.8
32.5°	1774.5	1773.1	1773.8	1772.4	1771.8
35°	1725.3	1723.3	1725.3	1722.7	1723.3
37.5°	1668.2	1665.5	1669.5	1666.8	1667.5
40°	1602.9	1601.6	1606.3	1604.3	1602.9
42.5°	1530.3	1530.3	1532.3	1533.0	1531.6
45°	1450.2	1448.9	1454.3	1450.9	1452.3
47.5°	1364.1	1362.1	1366.2	1365.5	1364.8
50°	1274.0	1272.7	1276.0	1272.7	1272.7
52.5°	1180.5	1179.8	1180.5	1177.1	1176.5
55°	1082.3	1078.3	1079.6	1077.6	1077.6
57.5°	980.1	975.3	976.0	975.3	976.0
60°	875.8	874.4	873.8	870.4	867.0
62.5°	768.8	770.2	769.5	764.8	761.4
65°	661.2	666.6	660.5	658.5	653.1
67.5°	559.6	561.7	557.6	552.9	546.9
70°	457.4	461.4	454.7	450.0	444.6
72.5°	359.9	362.6	356.5	353.8	347.1
75°	275.8	276.5	267.7	266.4	259.6
77.5°	196.4	199.1	192.4	192.4	185.7
80°	131.8	136.5	129.1	127.1	122.4
82.5°	82.7	83.4	81.4	79.4	77.4
85°	43.0	44.4	43.0	41.7	41.7
87.5°	16.1	16.8	16.1	15.5	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)