

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: P412790

Luminaire Tested: **22PD-70-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412790
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-L930
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

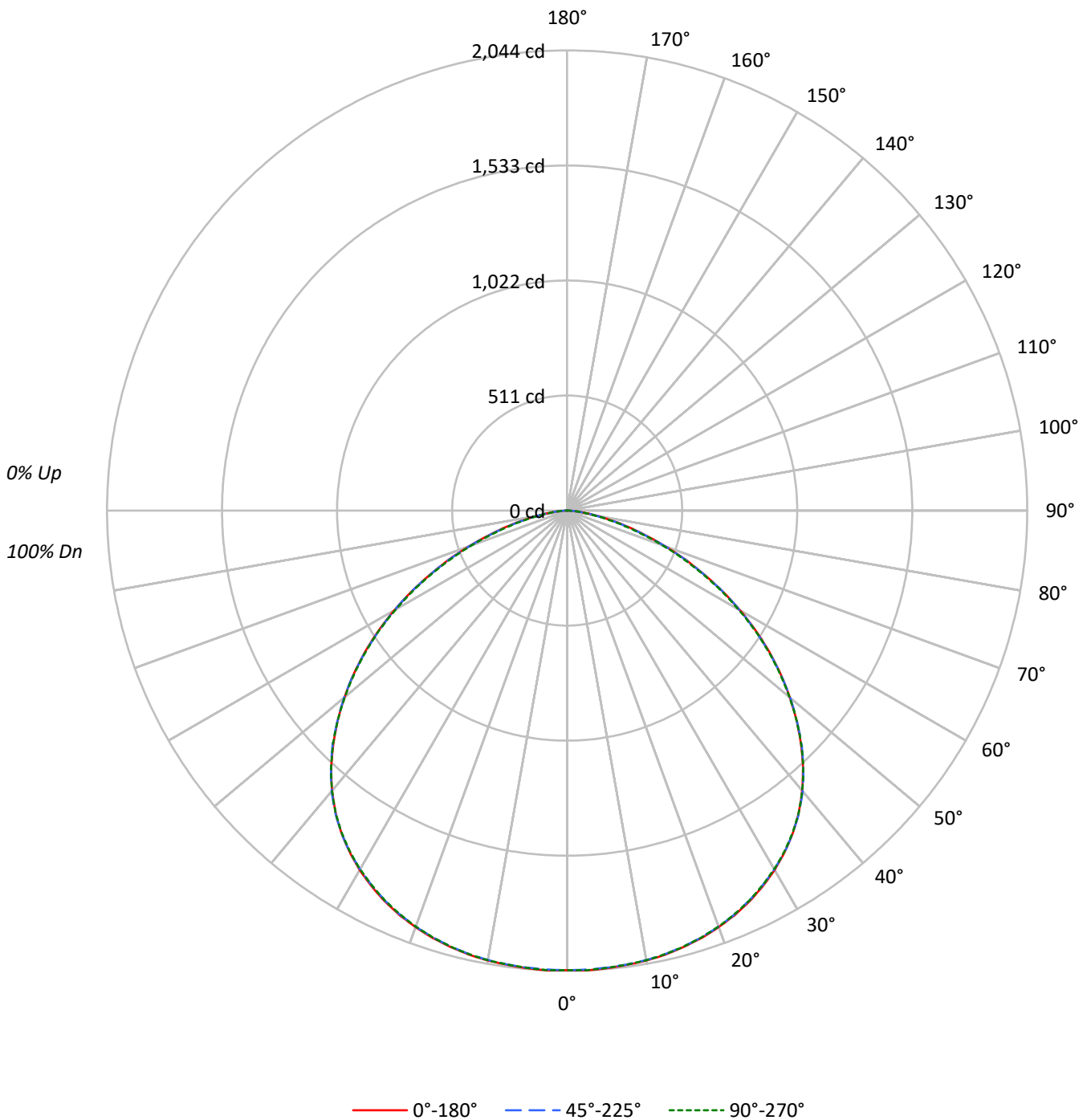
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5858.0 lumens
Efficiency: N/A
Efficacy: 93.0 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): 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

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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°	5494	5494	5494
5°	5512	5504	5508
10°	5546	5538	5542
15°	5589	5584	5584
20°	5638	5632	5630
25°	5688	5678	5678
30°	5728	5717	5715
35°	5744	5744	5738
40°	5707	5719	5707
45°	5593	5609	5601
50°	5406	5414	5400
55°	5146	5134	5124
60°	4777	4766	4729
65°	4267	4263	4215
70°	3648	3626	3545
75°	2906	2821	2735
80°	2070	2029	1923
85°	1346	1346	1306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	3.3
10°-20°	566.4	9.7
20°-30°	881.9	15.1
30°-40°	1091.5	18.6
40°-50°	1131.8	19.3
50°-60°	975.6	16.7
60°-70°	663.3	11.3
70°-80°	296.8	5.1
80°-90°	56.5	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°	1642.5	28.0
0°-40°	2734.0	46.7
0°-60°	4841.4	82.6
0°-90°	5858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2042	2042	2042	2042	2042	
5°	2040	2036	2038	2037	2039	194
15°	2006	2003	2004	2003	2004	567
25°	1916	1913	1912	1912	1912	883
35°	1749	1747	1749	1746	1747	1092
45°	1470	1468	1474	1470	1472	1131
55°	1097	1093	1094	1092	1092	978
65°	670	676	670	667	662	665
75°	280	280	271	270	263	301
85°	44	45	44	42	42	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2041.8	2041.8	2041.8	2041.8	2041.8
2.5°	2044.5	2040.4	2040.4	2041.1	2043.1
5°	2040.4	2036.3	2037.7	2037.0	2039.0
7.5°	2035.0	2031.5	2033.6	2032.2	2033.6
10°	2029.5	2026.1	2026.8	2026.1	2028.1
12.5°	2020.0	2015.9	2017.2	2017.2	2017.9
15°	2006.3	2002.9	2004.3	2002.9	2004.3
17.5°	1990.0	1985.9	1986.6	1985.9	1987.2
20°	1968.8	1966.1	1966.8	1965.4	1966.1
22.5°	1945.0	1941.6	1942.2	1940.9	1940.9
25°	1915.7	1912.9	1912.2	1911.6	1912.2
27.5°	1881.6	1878.2	1878.2	1877.5	1877.5
30°	1843.4	1840.0	1840.0	1839.3	1839.3
32.5°	1798.4	1797.0	1797.7	1796.4	1795.7
35°	1748.6	1746.6	1748.6	1745.9	1746.6
37.5°	1690.7	1688.0	1692.0	1689.3	1690.0
40°	1624.6	1623.2	1628.0	1625.9	1624.6
42.5°	1550.9	1550.9	1553.0	1553.7	1552.3
45°	1469.8	1468.4	1473.9	1470.5	1471.9
47.5°	1382.5	1380.5	1384.6	1383.9	1383.2
50°	1291.2	1289.8	1293.2	1289.8	1289.8
52.5°	1196.4	1195.8	1196.4	1193.0	1192.3
55°	1096.9	1092.8	1094.2	1092.1	1092.1
57.5°	993.3	988.5	989.2	988.5	989.2
60°	887.6	886.2	885.6	882.2	878.7
62.5°	779.2	780.6	779.9	775.1	771.7
65°	670.1	675.6	669.5	667.4	662.0
67.5°	567.2	569.2	565.2	560.4	554.2
70°	463.6	467.7	460.8	456.1	450.6
72.5°	364.7	367.5	361.3	358.6	351.8
75°	279.5	280.2	271.3	270.0	263.1
77.5°	199.1	201.8	195.0	195.0	188.2
80°	133.6	138.4	130.9	128.8	124.1
82.5°	83.9	84.5	82.5	80.4	78.4
85°	43.6	45.0	43.6	42.3	42.3
87.5°	16.4	17.0	16.4	15.7	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)