

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: P412448

Luminaire Tested: **22PD-70-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-70-PB1-L930
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

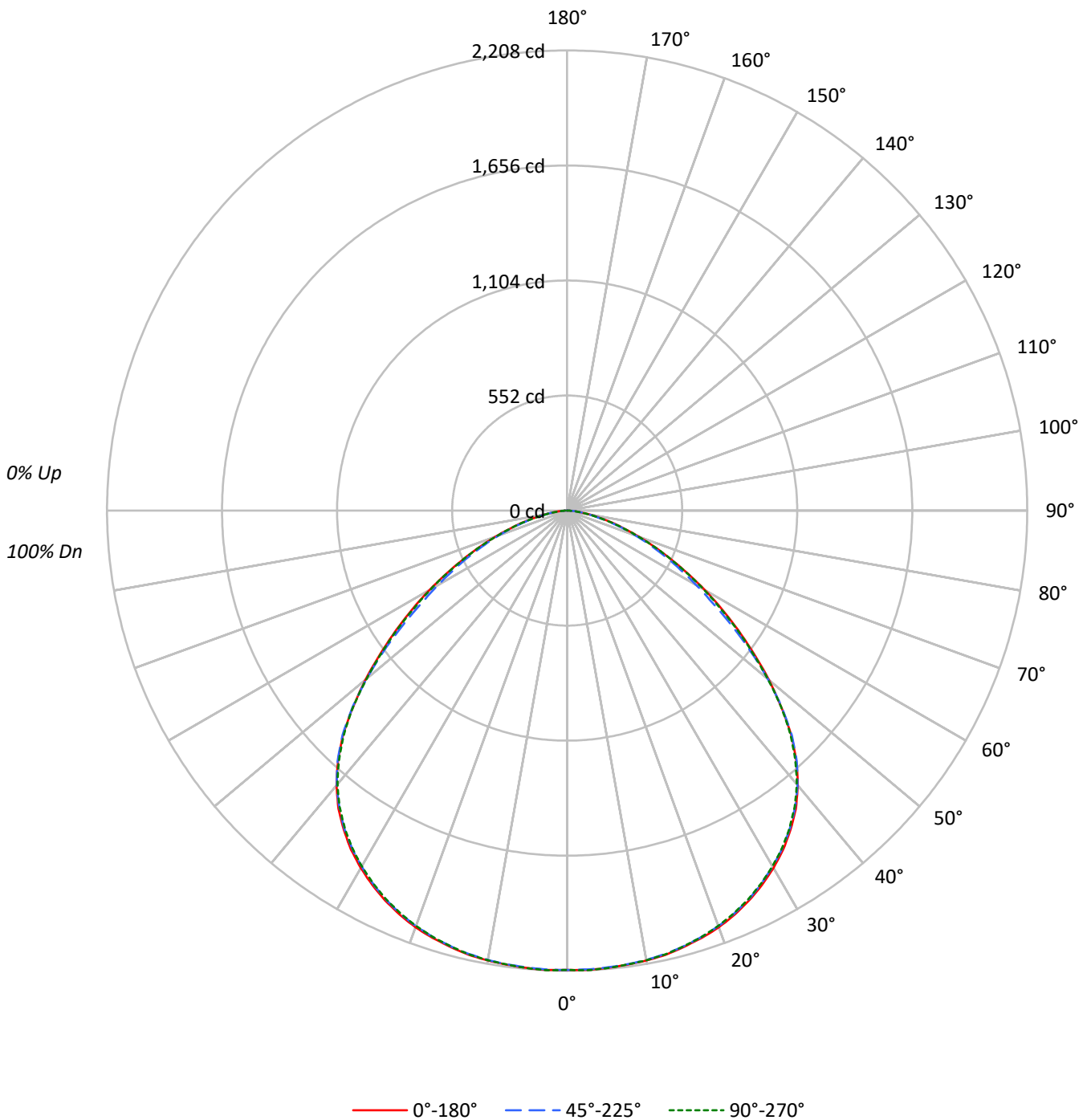
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5932	5932	5932
5°	5951	5945	5952
10°	5990	5982	5986
15°	6038	6029	6029
20°	6094	6076	6072
25°	6132	6114	6108
30°	6152	6127	6123
35°	6139	6122	6111
40°	6048	6041	6022
45°	5782	5800	5756
50°	5293	5264	5259
55°	4704	4538	4672
60°	4101	3852	4075
65°	3477	3289	3459
70°	2874	2756	2847
75°	2325	2175	2232
80°	1680	1627	1616
85°	1093	1093	1053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	3.6
10°-20°	611.7	10.6
20°-30°	949.2	16.4
30°-40°	1164.0	20.1
40°-50°	1163.5	20.1
50°-60°	881.4	15.2
60°-70°	528.6	9.1
70°-80°	232.8	4.0
80°-90°	46.2	0.8
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°	1770.6	30.6
0°-40°	2934.6	50.7
0°-60°	4979.5	86.0
0°-90°	5787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2203	2200	2201	2200	2204	210
15°	2168	2165	2164	2163	2164	613
25°	2065	2061	2059	2056	2057	952
35°	1869	1868	1864	1862	1860	1167
45°	1519	1521	1524	1520	1512	1163
55°	1003	981	967	980	996	899
65°	546	527	517	526	543	546
75°	224	219	209	213	215	238
85°	35	37	35	34	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2204.3	2204.3	2204.3	2204.3	2204.3
2.5°	2206.3	2202.9	2203.6	2203.6	2207.7
5°	2202.9	2200.2	2200.9	2200.2	2203.6
7.5°	2198.1	2195.4	2196.1	2195.4	2197.4
10°	2192.0	2189.3	2189.3	2187.9	2190.6
12.5°	2183.8	2180.4	2179.0	2178.4	2180.4
15°	2167.5	2165.4	2164.0	2162.7	2164.0
17.5°	2149.7	2146.3	2145.0	2142.2	2145.0
20°	2127.9	2123.2	2121.8	2119.7	2120.4
22.5°	2099.3	2095.2	2093.2	2089.8	2091.1
25°	2065.2	2061.1	2059.1	2055.7	2057.0
27.5°	2025.7	2023.0	2018.2	2015.5	2016.1
30°	1980.0	1977.3	1971.8	1970.5	1970.5
32.5°	1929.6	1926.2	1921.4	1920.0	1919.4
35°	1868.9	1868.2	1863.5	1862.1	1860.1
37.5°	1802.8	1801.4	1796.0	1794.6	1792.6
40°	1721.7	1720.3	1719.7	1716.9	1714.2
42.5°	1627.6	1629.7	1631.0	1625.6	1620.1
45°	1519.3	1521.3	1524.0	1519.9	1512.4
47.5°	1392.5	1400.7	1396.6	1399.3	1391.8
50°	1264.3	1264.3	1257.5	1260.3	1256.2
52.5°	1130.1	1119.2	1111.0	1116.4	1121.9
55°	1002.6	980.8	967.2	980.1	995.8
57.5°	880.6	854.7	829.5	849.9	869.0
60°	762.0	732.0	715.7	730.7	757.2
62.5°	649.6	627.7	611.4	623.0	645.5
65°	546.0	526.9	516.6	525.5	543.2
67.5°	451.2	438.3	428.0	435.5	449.2
70°	365.3	361.9	350.3	353.7	361.9
72.5°	286.9	286.3	276.0	278.8	283.5
75°	223.6	218.8	209.2	212.7	214.7
77.5°	158.1	160.2	151.3	153.4	153.4
80°	108.4	111.8	105.0	103.6	104.3
82.5°	68.8	68.8	68.2	67.5	65.4
85°	35.4	36.8	35.4	34.1	34.1
87.5°	13.6	13.6	13.6	13.0	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)