

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: P412449

Luminaire Tested: **22PD-70-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412449
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-L935
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

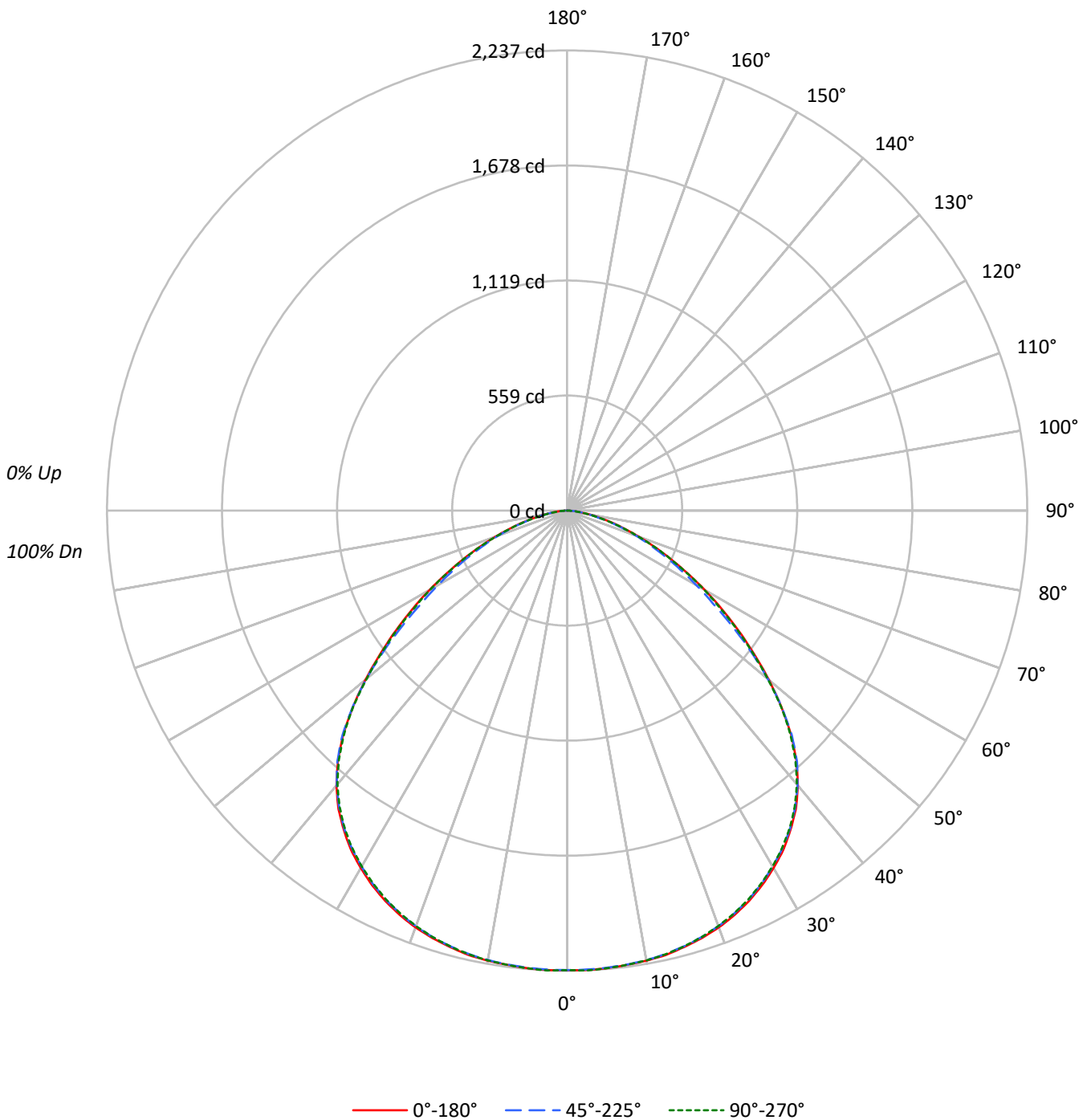
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5865.0 lumens
Efficiency: N/A
Efficacy: 93.1 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°	6012	6012	6012
5°	6031	6025	6033
10°	6070	6063	6067
15°	6120	6110	6110
20°	6176	6158	6154
25°	6215	6196	6190
30°	6235	6210	6205
35°	6222	6204	6193
40°	6130	6122	6103
45°	5860	5878	5833
50°	5364	5336	5330
55°	4767	4599	4735
60°	4156	3904	4131
65°	3523	3334	3505
70°	2913	2794	2886
75°	2356	2205	2262
80°	1702	1649	1638
85°	1108	1108	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	3.6
10°-20°	619.9	10.6
20°-30°	962.0	16.4
30°-40°	1179.7	20.1
40°-50°	1179.2	20.1
50°-60°	893.2	15.2
60°-70°	535.7	9.1
70°-80°	235.9	4.0
80°-90°	46.8	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°	1794.5	30.6
0°-40°	2974.1	50.7
0°-60°	5046.6	86.0
0°-90°	5865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2234	2234	2234	2234	2234	
5°	2233	2230	2230	2230	2233	213
15°	2197	2195	2193	2192	2193	621
25°	2093	2089	2087	2083	2085	965
35°	1894	1893	1889	1887	1885	1183
45°	1540	1542	1545	1540	1533	1179
55°	1016	994	980	993	1009	911
65°	553	534	524	533	550	553
75°	227	222	212	216	218	242
85°	36	37	36	34	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2234.0	2234.0	2234.0	2234.0	2234.0
2.5°	2236.0	2232.6	2233.3	2233.3	2237.4
5°	2232.6	2229.8	2230.5	2229.8	2233.3
7.5°	2227.8	2225.0	2225.7	2225.0	2227.1
10°	2221.5	2218.8	2218.8	2217.4	2220.2
12.5°	2213.2	2209.8	2208.4	2207.7	2209.8
15°	2196.7	2194.6	2193.2	2191.8	2193.2
17.5°	2178.7	2175.3	2173.9	2171.1	2173.9
20°	2156.6	2151.8	2150.4	2148.3	2149.0
22.5°	2127.6	2123.4	2121.4	2117.9	2119.3
25°	2093.1	2088.9	2086.8	2083.4	2084.8
27.5°	2053.0	2050.2	2045.4	2042.6	2043.3
30°	2006.7	2003.9	1998.4	1997.0	1997.0
32.5°	1955.6	1952.1	1947.3	1945.9	1945.2
35°	1894.1	1893.4	1888.6	1887.2	1885.1
37.5°	1827.1	1825.7	1820.2	1818.8	1816.7
40°	1744.9	1743.5	1742.8	1740.1	1737.3
42.5°	1649.6	1651.6	1653.0	1647.5	1642.0
45°	1539.7	1541.8	1544.6	1540.4	1532.8
47.5°	1411.3	1419.5	1415.4	1418.2	1410.6
50°	1281.4	1281.4	1274.5	1277.2	1273.1
52.5°	1145.3	1134.3	1126.0	1131.5	1137.0
55°	1016.1	994.0	980.2	993.3	1009.2
57.5°	892.5	866.2	840.7	861.4	880.7
60°	772.3	741.9	725.3	740.5	767.5
62.5°	658.3	636.2	619.6	631.4	654.2
65°	553.3	534.0	523.6	532.6	550.5
67.5°	457.3	444.2	433.8	441.4	455.2
70°	370.3	366.8	355.1	358.5	366.8
72.5°	290.8	290.1	279.8	282.5	287.4
75°	226.6	221.7	212.1	215.5	217.6
77.5°	160.3	162.3	153.4	155.4	155.4
80°	109.8	113.3	106.4	105.0	105.7
82.5°	69.8	69.8	69.1	68.4	66.3
85°	35.9	37.3	35.9	34.5	34.5
87.5°	13.8	13.8	13.8	13.1	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)