

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: P412800

Luminaire Tested: **22PD-75-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412800
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-L935
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

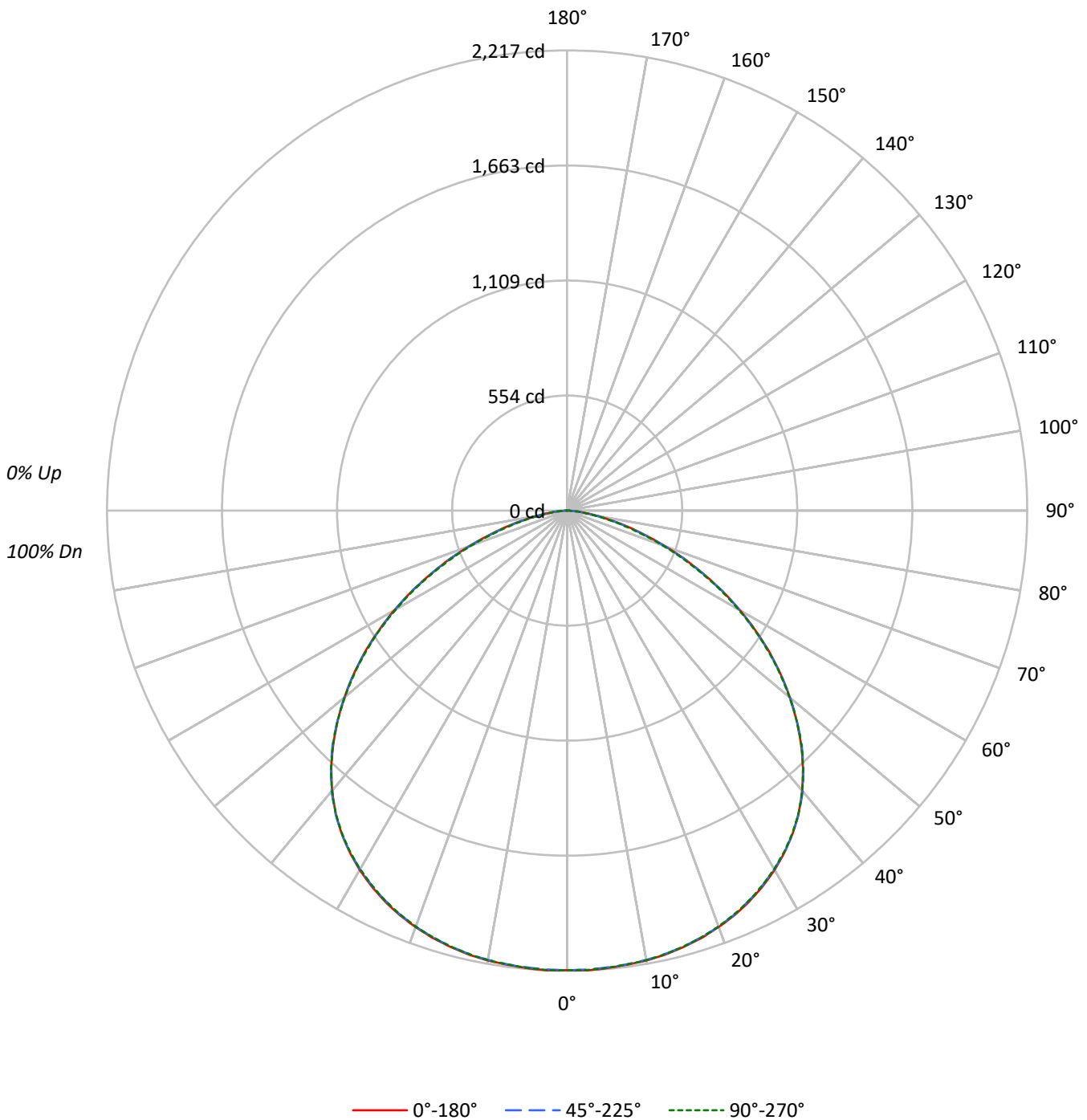
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6353.0 lumens
Efficiency: N/A
Efficacy: 94.1 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 (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°	5959	5959	5959
5°	5977	5970	5973
10°	6014	6006	6010
15°	6062	6055	6055
20°	6115	6108	6106
25°	6168	6157	6157
30°	6212	6201	6198
35°	6230	6230	6223
40°	6189	6202	6189
45°	6066	6083	6075
50°	5862	5871	5856
55°	5581	5567	5557
60°	5181	5169	5129
65°	4628	4623	4571
70°	3955	3932	3845
75°	3151	3060	2967
80°	2245	2201	2086
85°	1460	1460	1414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	3.3
10°-20°	614.2	9.7
20°-30°	956.4	15.1
30°-40°	1183.8	18.6
40°-50°	1227.5	19.3
50°-60°	1058.0	16.7
60°-70°	719.3	11.3
70°-80°	321.9	5.1
80°-90°	61.3	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°	1781.3	28.0
0°-40°	2965.0	46.7
0°-60°	5250.5	82.6
0°-90°	6353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2213	2208	2210	2209	2211	211
15°	2176	2172	2174	2172	2174	615
25°	2078	2075	2074	2073	2074	958
35°	1896	1894	1896	1893	1894	1185
45°	1594	1592	1598	1595	1596	1227
55°	1190	1185	1187	1184	1184	1061
65°	727	733	726	724	718	722
75°	303	304	294	293	285	326
85°	47	49	47	46	46	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.3	2214.3	2214.3	2214.3	2214.3
2.5°	2217.3	2212.8	2212.8	2213.6	2215.8
5°	2212.8	2208.4	2209.9	2209.1	2211.3
7.5°	2206.9	2203.2	2205.4	2204.0	2205.4
10°	2201.0	2197.3	2198.0	2197.3	2199.5
12.5°	2190.6	2186.2	2187.7	2187.7	2188.4
15°	2175.9	2172.2	2173.6	2172.2	2173.6
17.5°	2158.1	2153.7	2154.4	2153.7	2155.2
20°	2135.2	2132.2	2133.0	2131.5	2132.2
22.5°	2109.3	2105.6	2106.4	2104.9	2104.9
25°	2077.5	2074.6	2073.8	2073.1	2073.8
27.5°	2040.6	2036.9	2036.9	2036.1	2036.1
30°	1999.2	1995.5	1995.5	1994.7	1994.7
32.5°	1950.4	1948.9	1949.6	1948.1	1947.4
35°	1896.4	1894.2	1896.4	1893.4	1894.2
37.5°	1833.5	1830.6	1835.0	1832.1	1832.8
40°	1761.8	1760.4	1765.5	1763.3	1761.8
42.5°	1682.0	1682.0	1684.2	1684.9	1683.5
45°	1594.0	1592.5	1598.4	1594.7	1596.2
47.5°	1499.4	1497.2	1501.6	1500.8	1500.1
50°	1400.3	1398.8	1402.5	1398.8	1398.8
52.5°	1297.5	1296.8	1297.5	1293.8	1293.1
55°	1189.6	1185.2	1186.6	1184.4	1184.4
57.5°	1077.2	1072.0	1072.8	1072.0	1072.8
60°	962.6	961.1	960.4	956.7	953.0
62.5°	845.1	846.5	845.8	840.6	836.9
65°	726.8	732.7	726.0	723.8	717.9
67.5°	615.1	617.3	612.9	607.7	601.1
70°	502.7	507.2	499.8	494.6	488.7
72.5°	395.5	398.5	391.8	388.9	381.5
75°	303.1	303.9	294.3	292.8	285.4
77.5°	215.9	218.8	211.4	211.4	204.1
80°	144.9	150.1	142.0	139.7	134.6
82.5°	90.9	91.7	89.5	87.2	85.0
85°	47.3	48.8	47.3	45.8	45.8
87.5°	17.7	18.5	17.7	17.0	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)