

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: P412801

Luminaire Tested: **22PD-75-PP3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412801
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-L940
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

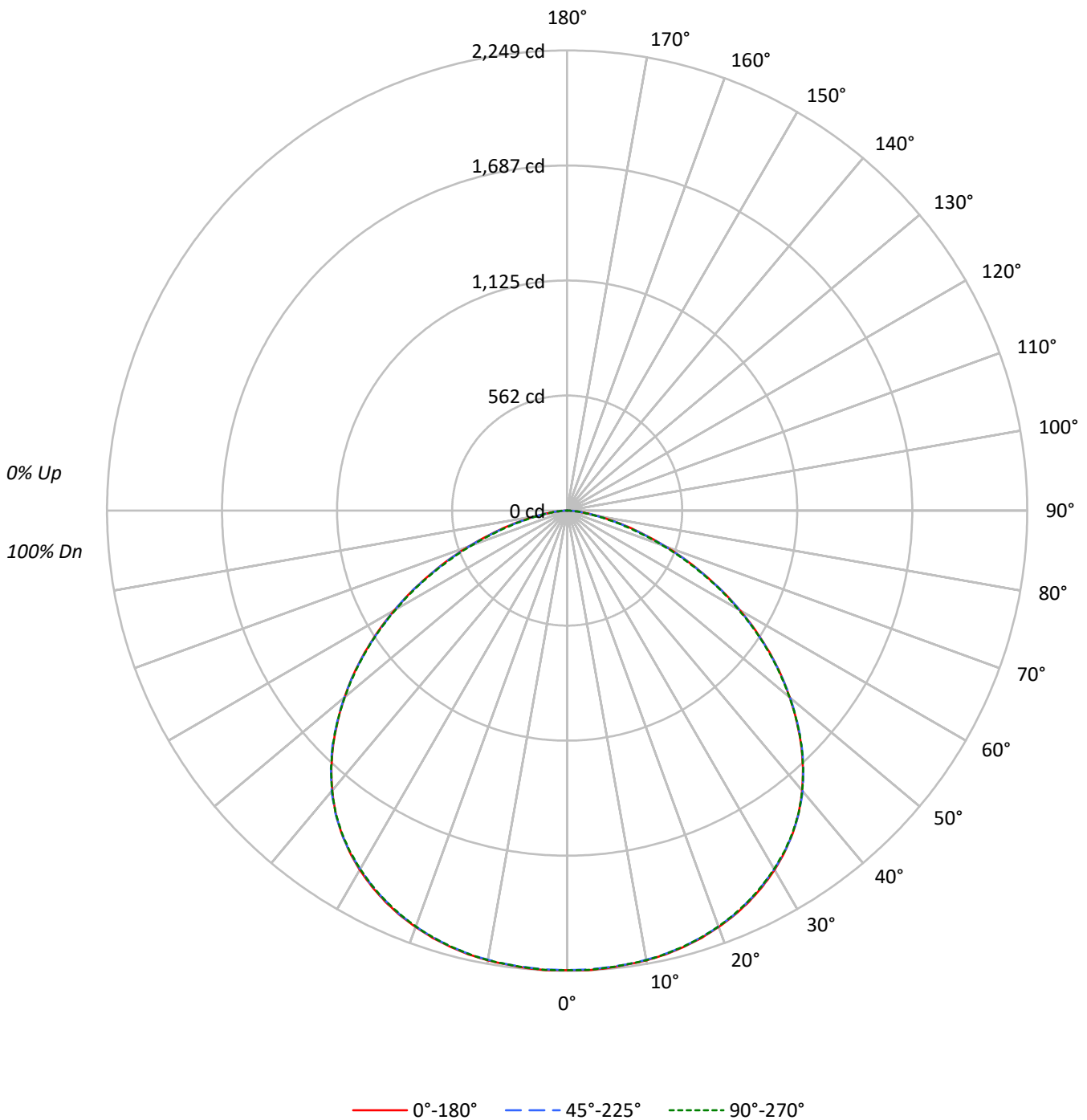
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6444.0 lumens
Efficiency: N/A
Efficacy: 95.5 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°	6044	6044	6044
5°	6063	6055	6059
10°	6100	6092	6096
15°	6148	6142	6142
20°	6202	6196	6194
25°	6257	6246	6246
30°	6301	6289	6287
35°	6319	6319	6312
40°	6278	6291	6278
45°	6153	6170	6162
50°	5946	5956	5940
55°	5661	5647	5636
60°	5255	5243	5203
65°	4694	4689	4637
70°	4012	3988	3900
75°	3197	3104	3010
80°	2278	2232	2115
85°	1482	1482	1436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	3.3
10°-20°	623.0	9.7
20°-30°	970.1	15.1
30°-40°	1200.7	18.6
40°-50°	1245.1	19.3
50°-60°	1073.2	16.7
60°-70°	729.6	11.3
70°-80°	326.5	5.1
80°-90°	62.2	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°	1806.8	28.0
0°-40°	3007.5	46.7
0°-60°	5325.7	82.6
0°-90°	6444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2246	2246	2246	2246	2246	
5°	2244	2240	2242	2241	2243	214
15°	2207	2203	2205	2203	2205	624
25°	2107	2104	2104	2103	2104	972
35°	1924	1921	1924	1921	1921	1202
45°	1617	1615	1621	1618	1619	1244
55°	1207	1202	1204	1201	1201	1076
65°	737	743	736	734	728	732
75°	308	308	298	297	290	331
85°	48	50	48	46	46	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2246.0	2246.0	2246.0	2246.0	2246.0
2.5°	2249.0	2244.5	2244.5	2245.3	2247.5
5°	2244.5	2240.0	2241.5	2240.8	2243.0
7.5°	2238.5	2234.8	2237.0	2235.5	2237.0
10°	2232.5	2228.8	2229.5	2228.8	2231.0
12.5°	2222.0	2217.5	2219.0	2219.0	2219.8
15°	2207.0	2203.3	2204.8	2203.3	2204.8
17.5°	2189.0	2184.5	2185.3	2184.5	2186.0
20°	2165.8	2162.8	2163.5	2162.0	2162.8
22.5°	2139.5	2135.8	2136.5	2135.0	2135.0
25°	2107.3	2104.3	2103.5	2102.8	2103.5
27.5°	2069.8	2066.0	2066.0	2065.3	2065.3
30°	2027.8	2024.0	2024.0	2023.3	2023.3
32.5°	1978.3	1976.8	1977.5	1976.0	1975.3
35°	1923.6	1921.3	1923.6	1920.6	1921.3
37.5°	1859.8	1856.8	1861.3	1858.3	1859.1
40°	1787.1	1785.6	1790.8	1788.6	1787.1
42.5°	1706.1	1706.1	1708.3	1709.1	1707.6
45°	1616.8	1615.3	1621.3	1617.6	1619.1
47.5°	1520.8	1518.6	1523.1	1522.3	1521.6
50°	1420.4	1418.9	1422.6	1418.9	1418.9
52.5°	1316.1	1315.4	1316.1	1312.4	1311.6
55°	1206.6	1202.1	1203.6	1201.4	1201.4
57.5°	1092.6	1087.4	1088.1	1087.4	1088.1
60°	976.4	974.9	974.2	970.4	966.7
62.5°	857.2	858.7	857.9	852.7	848.9
65°	737.2	743.2	736.4	734.2	728.2
67.5°	623.9	626.2	621.7	616.4	609.7
70°	509.9	514.4	506.9	501.7	495.7
72.5°	401.2	404.2	397.5	394.5	387.0
75°	307.5	308.2	298.5	297.0	289.5
77.5°	219.0	222.0	214.5	214.5	207.0
80°	147.0	152.2	144.0	141.7	136.5
82.5°	92.2	93.0	90.7	88.5	86.2
85°	48.0	49.5	48.0	46.5	46.5
87.5°	18.0	18.7	18.0	17.2	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)