

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: P413142

Luminaire Tested: **22PD-75-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-75-PC3-L935
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

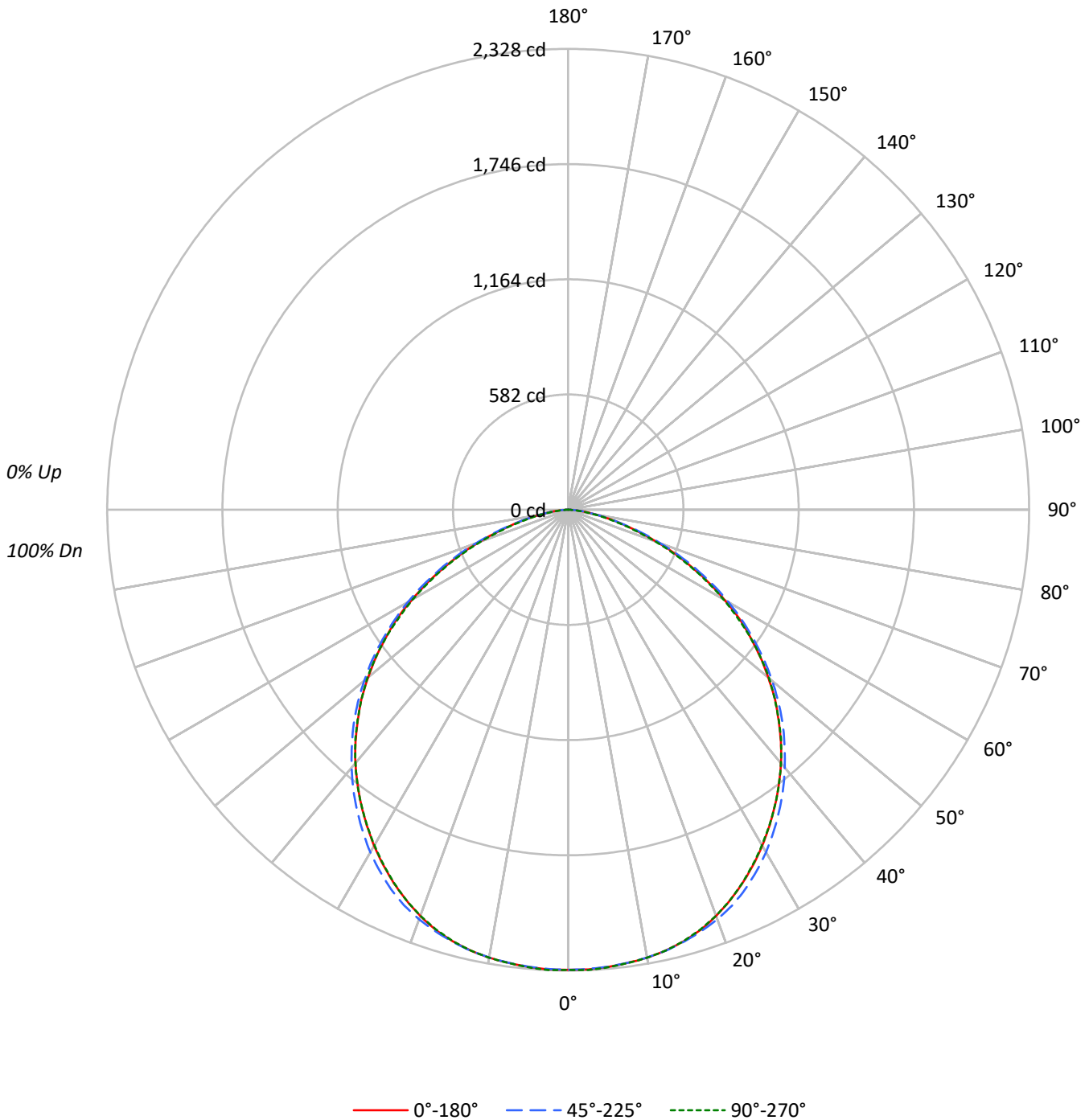
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6245.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6255	6255	6255
5°	6263	6259	6267
10°	6279	6277	6279
15°	6287	6295	6285
20°	6255	6306	6251
25°	6182	6283	6178
30°	6091	6210	6082
35°	5985	6104	5985
40°	5873	5976	5873
45°	5718	5830	5726
50°	5522	5630	5544
55°	5266	5370	5266
60°	4910	5034	4879
65°	4407	4562	4350
70°	3770	3903	3659
75°	2990	3075	2836
80°	2143	2222	2039
85°	1414	1460	1325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	3.5
10°-20°	637.1	10.2
20°-30°	966.5	15.5
30°-40°	1154.3	18.5
40°-50°	1173.9	18.8
50°-60°	1015.4	16.3
60°-70°	698.7	11.2
70°-80°	317.1	5.1
80°-90°	61.4	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°	1824.2	29.2
0°-40°	2978.5	47.7
0°-60°	5167.8	82.8
0°-90°	6245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2325	2325	2325	2325	2325	
5°	2319	2316	2317	2317	2320	221
15°	2257	2258	2260	2256	2256	636
25°	2082	2101	2116	2097	2081	959
35°	1822	1854	1858	1851	1822	1140
45°	1502	1530	1532	1530	1505	1159
55°	1122	1142	1145	1142	1122	1003
65°	692	711	716	710	683	687
75°	288	299	296	293	273	309
85°	46	49	47	46	43	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2324.6	2324.6	2324.6	2324.6	2324.6
2.5°	2324.6	2321.7	2322.4	2323.2	2327.6
5°	2318.7	2316.5	2317.2	2317.2	2320.2
7.5°	2309.1	2308.4	2308.4	2307.6	2309.8
10°	2298.0	2296.5	2297.3	2296.5	2298.0
12.5°	2281.0	2281.0	2281.7	2279.5	2281.0
15°	2256.6	2258.1	2259.6	2255.9	2255.9
17.5°	2225.6	2229.2	2232.9	2226.3	2222.6
20°	2184.1	2193.0	2201.9	2191.5	2182.7
22.5°	2136.1	2150.9	2164.2	2147.9	2136.1
25°	2082.1	2100.6	2116.1	2096.9	2080.6
27.5°	2023.7	2044.4	2059.2	2042.9	2020.7
30°	1960.1	1985.3	1998.6	1983.0	1957.2
32.5°	1892.1	1921.7	1929.8	1920.2	1890.6
35°	1821.8	1854.4	1858.1	1851.4	1821.8
37.5°	1748.6	1779.7	1782.7	1779.0	1748.6
40°	1671.8	1700.6	1701.3	1701.3	1671.8
42.5°	1589.7	1617.8	1617.8	1617.0	1591.9
45°	1502.4	1529.8	1532.0	1530.5	1504.7
47.5°	1415.9	1436.6	1440.3	1437.4	1414.4
50°	1319.1	1340.5	1344.9	1342.0	1324.2
52.5°	1222.9	1242.9	1247.3	1245.1	1225.2
55°	1122.4	1141.6	1144.6	1142.4	1122.4
57.5°	1025.5	1038.1	1041.1	1036.6	1011.5
60°	912.4	930.1	935.3	930.1	906.5
62.5°	803.0	822.2	826.6	819.2	794.1
65°	692.1	711.3	716.5	710.5	683.2
67.5°	587.1	601.1	605.6	598.9	573.8
70°	479.1	496.9	496.1	487.3	465.1
72.5°	372.7	397.1	392.6	387.4	363.0
75°	287.6	298.7	295.8	292.8	272.8
77.5°	205.5	218.9	211.5	212.2	195.2
80°	138.3	150.8	143.4	140.5	131.6
82.5°	88.0	93.2	91.7	90.2	82.1
85°	45.8	48.8	47.3	45.8	42.9
87.5°	17.7	19.2	17.7	17.7	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)