

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: P413222

Luminaire Tested: **24PD-55-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-55-PC3-L930
Description: 5500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

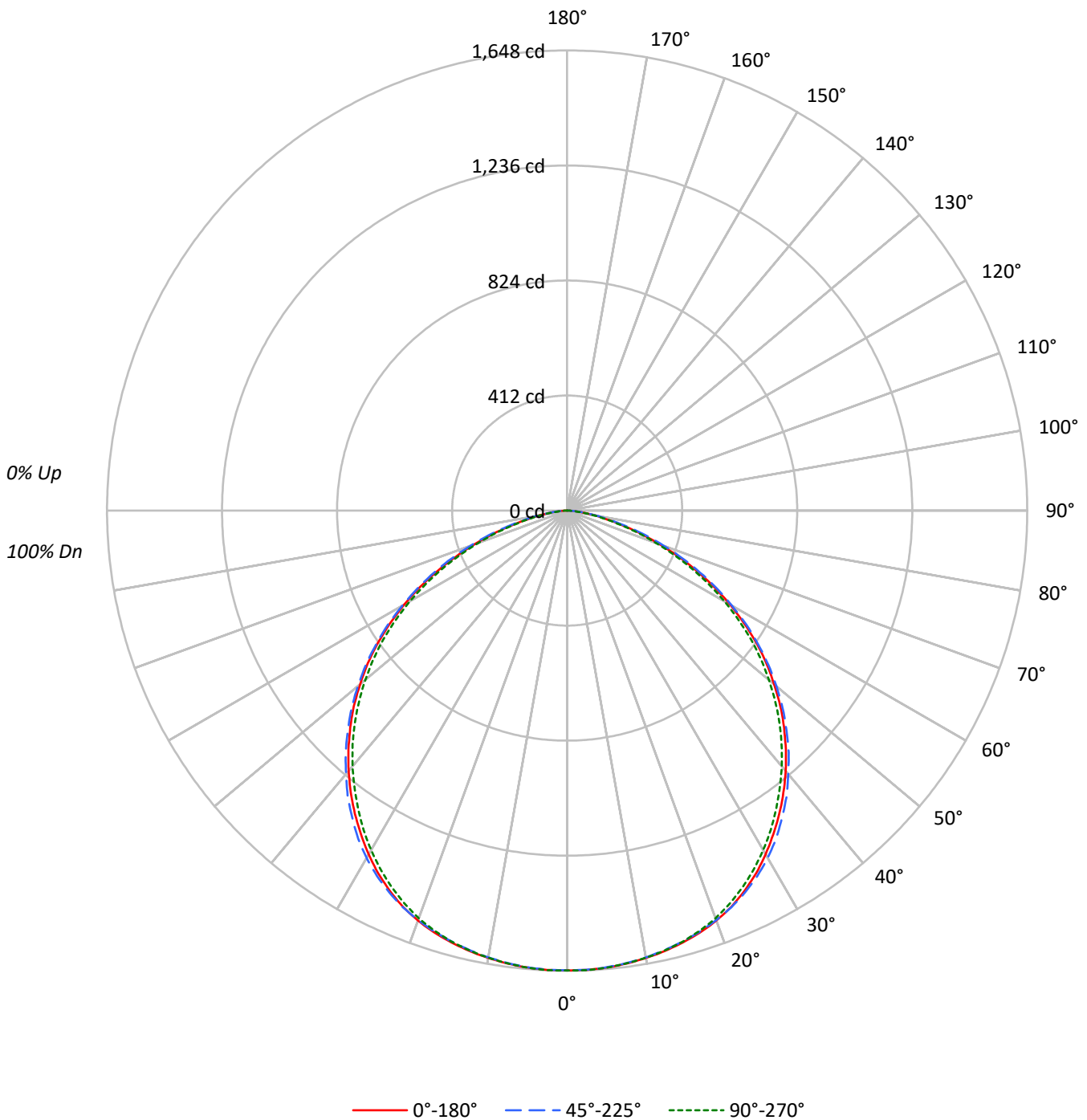
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4501.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (A_{in}): 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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2216	2216	2216
5°	2219	2217	2219
10°	2223	2220	2222
15°	2230	2226	2226
20°	2238	2234	2225
25°	2231	2239	2208
30°	2209	2232	2181
35°	2177	2204	2144
40°	2138	2164	2100
45°	2090	2113	2047
50°	2025	2048	1976
55°	1942	1959	1884
60°	1813	1834	1750
65°	1634	1674	1570
70°	1387	1448	1332
75°	1074	1153	1025
80°	799	834	724
85°	492	528	457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	3.5
10°-20°	451.6	10.0
20°-30°	691.6	15.4
30°-40°	832.0	18.5
40°-50°	848.4	18.8
50°-60°	735.5	16.3
60°-70°	509.9	11.3
70°-80°	232.9	5.2
80°-90°	43.0	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°	1299.4	28.9
0°-40°	2131.4	47.4
0°-60°	3715.2	82.5
0°-90°	4501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1643	1643	1642	1641	1643	156
15°	1601	1601	1598	1596	1598	452
25°	1503	1507	1508	1495	1488	692
35°	1325	1339	1342	1325	1305	829
45°	1098	1112	1110	1095	1076	847
55°	828	833	835	815	803	738
65°	513	524	526	508	493	507
75°	207	218	222	214	197	226
85°	32	33	34	32	30	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1646.7	1646.7	1646.7	1646.7	1646.7
2.5°	1646.7	1646.7	1645.8	1644.9	1647.6
5°	1642.6	1642.6	1641.7	1640.8	1643.0
7.5°	1636.2	1635.7	1634.8	1633.9	1635.3
10°	1627.1	1626.6	1624.8	1624.3	1626.2
12.5°	1615.7	1615.2	1612.5	1612.5	1613.9
15°	1601.1	1600.6	1597.9	1596.5	1598.3
17.5°	1584.7	1584.2	1581.0	1577.4	1578.3
20°	1562.8	1562.8	1560.5	1555.0	1553.6
22.5°	1536.3	1537.7	1537.7	1527.2	1523.1
25°	1503.0	1507.1	1508.5	1495.3	1487.5
27.5°	1465.1	1471.5	1475.2	1458.3	1448.3
30°	1421.8	1432.3	1436.9	1418.6	1404.0
32.5°	1374.4	1387.6	1393.1	1375.3	1356.6
35°	1325.1	1339.3	1342.0	1324.7	1305.0
37.5°	1272.7	1287.3	1290.9	1275.4	1251.2
40°	1217.5	1232.1	1232.1	1219.3	1195.6
42.5°	1159.1	1174.6	1174.1	1158.6	1137.2
45°	1098.4	1112.1	1110.3	1095.2	1075.6
47.5°	1035.9	1044.6	1046.9	1029.1	1010.4
50°	967.5	976.2	978.4	958.4	943.8
52.5°	900.0	905.5	908.6	885.4	874.9
55°	827.9	832.9	835.2	814.7	803.3
57.5°	751.7	758.1	760.9	740.3	727.6
60°	673.7	680.6	681.5	662.3	650.5
62.5°	594.4	603.5	605.3	586.2	572.0
65°	513.2	524.1	525.9	508.1	493.1
67.5°	432.0	446.6	447.0	432.4	414.6
70°	352.6	368.6	368.1	355.8	338.5
72.5°	276.9	291.5	294.7	283.3	266.4
75°	206.6	218.0	221.7	214.4	197.1
77.5°	146.9	157.4	160.6	153.7	140.9
80°	103.1	103.5	107.7	102.2	93.5
82.5°	63.9	62.9	64.3	62.0	57.0
85°	31.9	32.8	34.2	32.4	29.6
87.5°	10.9	11.4	12.3	12.3	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)