

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: P413232

Luminaire Tested: **24PD-60-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413232
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-60-PC3-L935
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

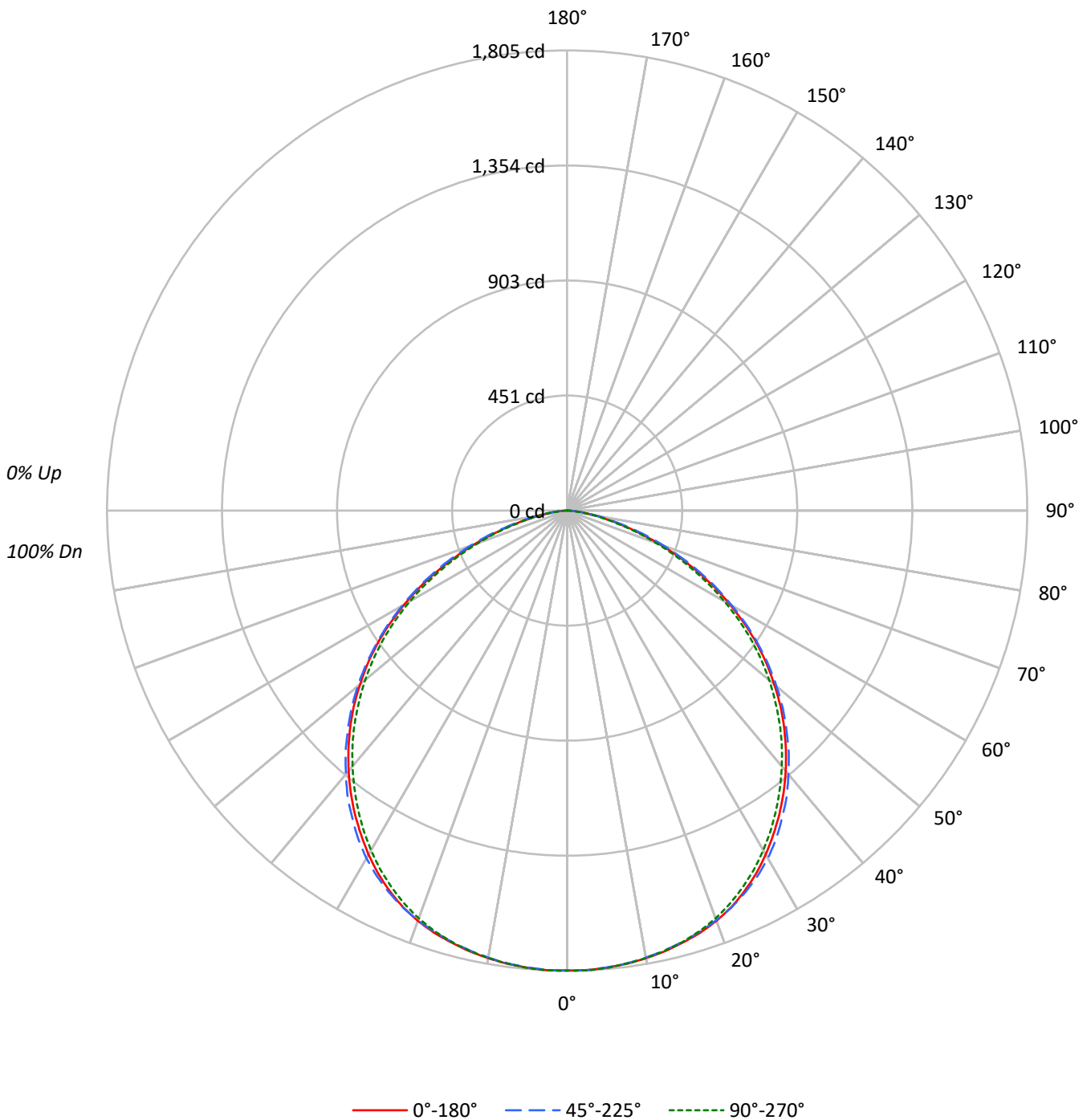
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4932.0 lumens
Efficiency: N/A
Efficacy: 108.6 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): 45.4
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	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°	2428	2428	2428
5°	2431	2430	2432
10°	2436	2432	2435
15°	2444	2439	2440
20°	2452	2448	2438
25°	2445	2454	2420
30°	2421	2446	2390
35°	2385	2415	2349
40°	2343	2371	2301
45°	2290	2315	2243
50°	2219	2244	2165
55°	2128	2147	2065
60°	1986	2009	1918
65°	1790	1835	1720
70°	1520	1587	1459
75°	1177	1263	1122
80°	876	914	794
85°	540	579	502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	3.5
10°-20°	494.8	10.0
20°-30°	757.8	15.4
30°-40°	911.6	18.5
40°-50°	929.6	18.8
50°-60°	805.9	16.3
60°-70°	558.7	11.3
70°-80°	255.2	5.2
80°-90°	47.1	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°	1423.8	28.9
0°-40°	2335.4	47.4
0°-60°	4070.9	82.5
0°-90°	4932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1804	1804	1804	1804	1804	
5°	1800	1800	1799	1798	1800	171
15°	1754	1754	1751	1749	1751	496
25°	1647	1651	1653	1638	1630	758
35°	1452	1468	1470	1452	1430	908
45°	1204	1219	1217	1200	1179	928
55°	907	913	915	893	880	808
65°	562	574	576	557	540	556
75°	226	239	243	235	216	248
85°	35	36	38	36	32	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1804.4	1804.4	1804.4	1804.4	1804.4
2.5°	1804.4	1804.4	1803.4	1802.4	1805.4
5°	1799.9	1799.9	1798.9	1797.9	1800.4
7.5°	1792.9	1792.4	1791.4	1790.4	1791.9
10°	1782.9	1782.4	1780.4	1779.9	1781.9
12.5°	1770.4	1769.9	1766.9	1766.9	1768.4
15°	1754.4	1753.9	1750.9	1749.4	1751.4
17.5°	1736.4	1735.9	1732.4	1728.4	1729.4
20°	1712.4	1712.4	1709.9	1703.9	1702.4
22.5°	1683.4	1684.9	1684.9	1673.4	1668.9
25°	1646.9	1651.4	1652.9	1638.4	1629.9
27.5°	1605.4	1612.4	1616.4	1597.9	1587.0
30°	1558.0	1569.5	1574.5	1554.5	1538.5
32.5°	1506.0	1520.5	1526.5	1507.0	1486.5
35°	1452.0	1467.5	1470.5	1451.5	1430.0
37.5°	1394.5	1410.5	1414.5	1397.5	1371.0
40°	1334.0	1350.0	1350.0	1336.0	1310.0
42.5°	1270.1	1287.1	1286.6	1269.6	1246.1
45°	1203.6	1218.6	1216.6	1200.1	1178.6
47.5°	1135.1	1144.6	1147.1	1127.6	1107.1
50°	1060.1	1069.6	1072.1	1050.1	1034.1
52.5°	986.2	992.2	995.7	970.2	958.7
55°	907.2	912.7	915.2	892.7	880.2
57.5°	823.7	830.7	833.7	811.2	797.2
60°	738.2	745.7	746.7	725.7	712.8
62.5°	651.3	661.3	663.3	642.3	626.8
65°	562.3	574.3	576.3	556.8	540.3
67.5°	473.3	489.3	489.8	473.8	454.3
70°	386.4	403.9	403.4	389.9	370.9
72.5°	303.4	319.4	322.9	310.4	291.9
75°	226.4	238.9	242.9	234.9	215.9
77.5°	160.9	172.4	175.9	168.4	154.4
80°	113.0	113.5	118.0	112.0	102.5
82.5°	70.0	69.0	70.5	68.0	62.5
85°	35.0	36.0	37.5	35.5	32.5
87.5°	12.0	12.5	13.5	13.5	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)