

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: P413234

Luminaire Tested: **24PD-60-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413234
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-L950
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

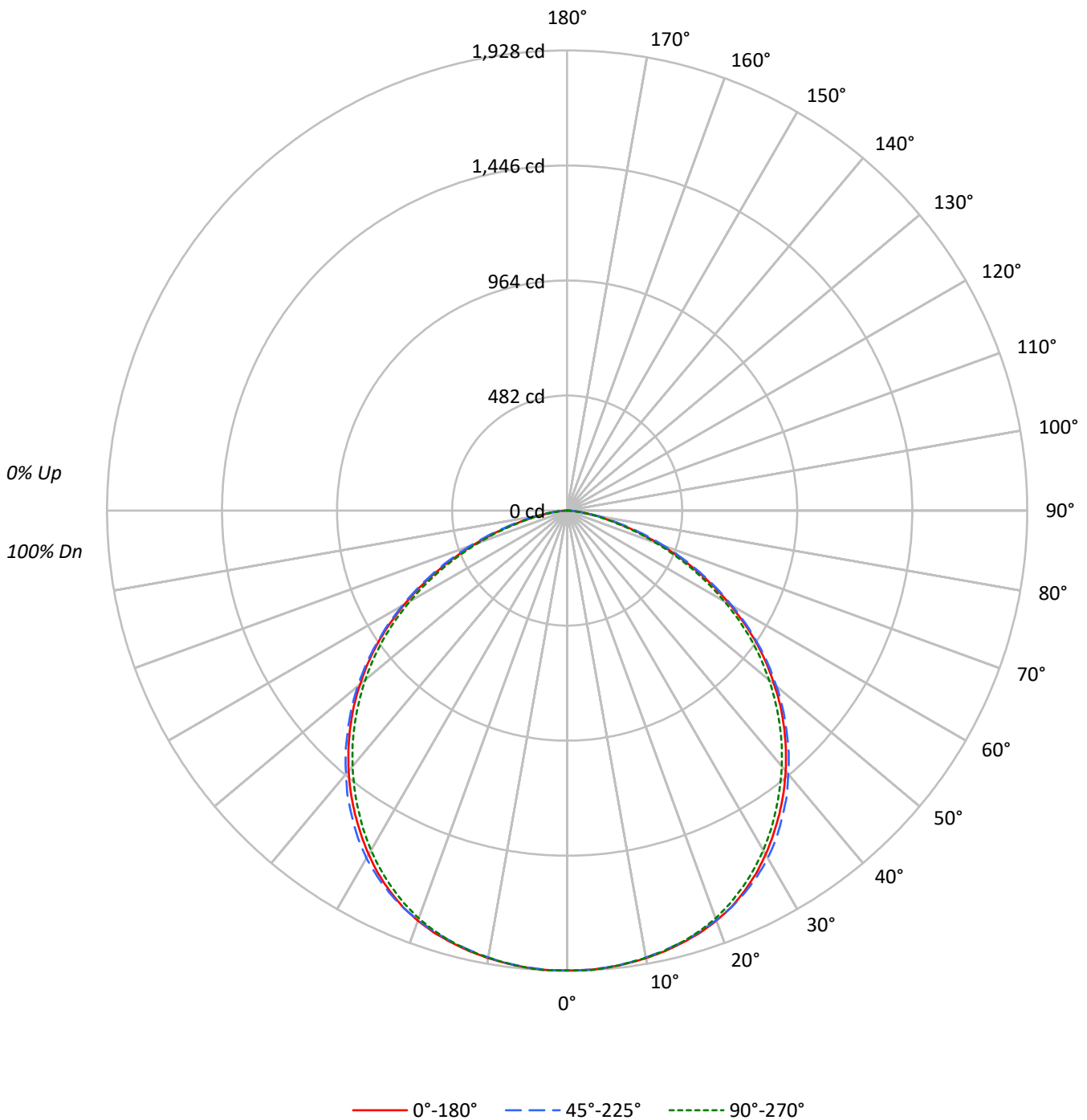
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5267.0 lumens
Efficiency: N/A
Efficacy: 116.0 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 (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°	2593	2593	2593
5°	2596	2595	2597
10°	2601	2598	2600
15°	2610	2605	2605
20°	2618	2615	2603
25°	2611	2621	2584
30°	2585	2612	2553
35°	2547	2579	2508
40°	2502	2532	2457
45°	2446	2472	2395
50°	2370	2397	2312
55°	2273	2293	2205
60°	2122	2146	2048
65°	1912	1959	1837
70°	1623	1695	1558
75°	1257	1349	1199
80°	934	976	848
85°	577	618	536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	3.5
10°-20°	528.4	10.0
20°-30°	809.3	15.4
30°-40°	973.6	18.5
40°-50°	992.7	18.8
50°-60°	860.7	16.3
60°-70°	596.7	11.3
70°-80°	272.5	5.2
80°-90°	50.3	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°	1520.5	28.9
0°-40°	2494.1	47.4
0°-60°	4347.5	82.5
0°-90°	5267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1922	1922	1921	1920	1923	183
15°	1874	1873	1870	1868	1870	529
25°	1759	1764	1765	1750	1741	810
35°	1551	1567	1570	1550	1527	970
45°	1285	1301	1299	1282	1259	991
55°	969	975	977	953	940	863
65°	600	613	615	595	577	594
75°	242	255	259	251	231	264
85°	37	38	40	38	35	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1926.9	1926.9	1926.9	1926.9	1926.9
2.5°	1926.9	1926.9	1925.9	1924.8	1928.0
5°	1922.1	1922.1	1921.1	1920.0	1922.7
7.5°	1914.7	1914.1	1913.1	1912.0	1913.6
10°	1904.0	1903.5	1901.3	1900.8	1902.9
12.5°	1890.6	1890.1	1886.9	1886.9	1888.5
15°	1873.6	1873.0	1869.8	1868.2	1870.4
17.5°	1854.3	1853.8	1850.1	1845.8	1846.9
20°	1828.7	1828.7	1826.1	1819.6	1818.0
22.5°	1797.8	1799.4	1799.4	1787.1	1782.3
25°	1758.8	1763.6	1765.2	1749.7	1740.6
27.5°	1714.5	1722.0	1726.2	1706.5	1694.7
30°	1663.8	1676.1	1681.4	1660.0	1643.0
32.5°	1608.3	1623.8	1630.2	1609.3	1587.5
35°	1550.6	1567.2	1570.4	1550.1	1527.1
37.5°	1489.2	1506.3	1510.6	1492.4	1464.2
40°	1424.7	1441.7	1441.7	1426.8	1399.0
42.5°	1356.3	1374.5	1373.9	1355.8	1330.7
45°	1285.3	1301.4	1299.2	1281.6	1258.6
47.5°	1212.2	1222.4	1225.0	1204.2	1182.3
50°	1132.1	1142.3	1145.0	1121.5	1104.4
52.5°	1053.1	1059.5	1063.3	1036.1	1023.8
55°	968.8	974.7	977.3	953.3	940.0
57.5°	879.7	887.1	890.3	866.3	851.4
60°	788.4	796.4	797.5	775.0	761.2
62.5°	695.5	706.2	708.3	685.9	669.4
65°	600.5	613.3	615.4	594.6	577.0
67.5°	505.5	522.6	523.1	506.0	485.2
70°	412.6	431.3	430.8	416.3	396.1
72.5°	324.0	341.1	344.8	331.5	311.7
75°	241.8	255.1	259.4	250.9	230.6
77.5°	171.9	184.2	187.9	179.9	164.9
80°	120.6	121.2	126.0	119.6	109.4
82.5°	74.7	73.7	75.3	72.6	66.7
85°	37.4	38.4	40.0	37.9	34.7
87.5°	12.8	13.3	14.4	14.4	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)