

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: P412555

Luminaire Tested: **24PD-65-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-65-PB1-L927
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

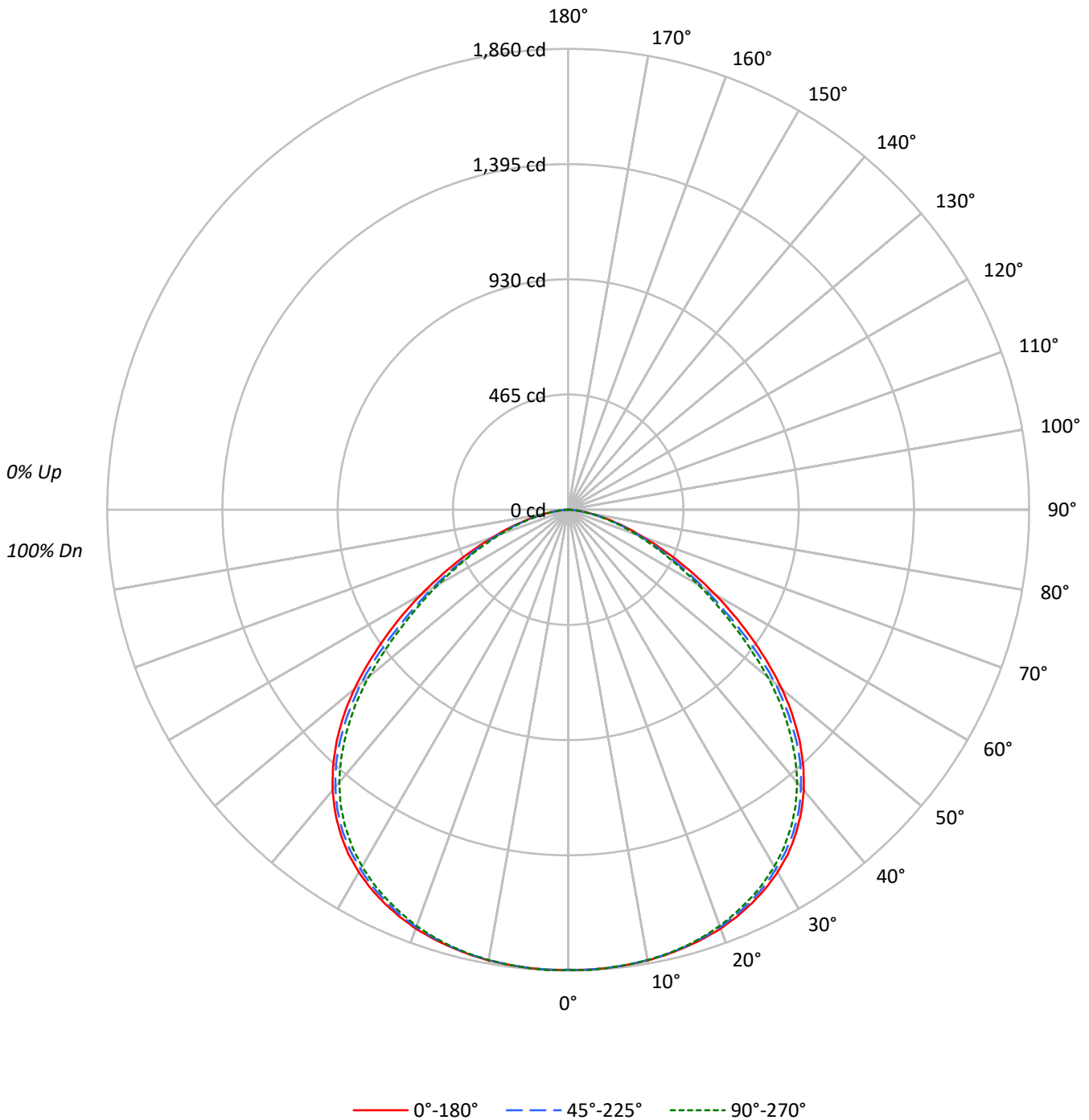
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4942.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.7
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

TEST NUMBER: P412555
CATALOG NUMBER: 24PD-65-PB1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P412555

CATALOG NUMBER: 24PD-65-PB1-L927

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2499	2499	2499
5°	2507	2507	2507
10°	2524	2521	2522
15°	2547	2543	2541
20°	2575	2567	2560
25°	2602	2589	2575
30°	2625	2603	2583
35°	2628	2605	2573
40°	2597	2567	2524
45°	2513	2467	2403
50°	2357	2283	2200
55°	2118	1992	1910
60°	1844	1697	1632
65°	1551	1436	1373
70°	1264	1201	1152
75°	1013	977	937
80°	778	717	698
85°	486	471	471



TEST NUMBER: P412555

CATALOG NUMBER: 24PD-65-PB1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	3.6
10°-20°	516.1	10.4
20°-30°	804.1	16.3
30°-40°	989.1	20.0
40°-50°	993.6	20.1
50°-60°	765.8	15.5
60°-70°	454.6	9.2
70°-80°	202.4	4.1
80°-90°	39.5	0.8
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°	1497.0	30.3
0°-40°	2486.2	50.3
0°-60°	4245.5	85.9
0°-90°	4942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1857	1857	1857	1857	1857	
5°	1856	1857	1856	1854	1856	177
15°	1828	1828	1826	1823	1824	517
25°	1753	1752	1744	1736	1734	808
35°	1600	1597	1586	1573	1566	999
45°	1321	1317	1297	1275	1263	1014
55°	903	886	849	824	814	807
65°	487	466	451	434	431	487
75°	195	191	188	182	180	211
85°	32	30	30	29	30	42
90°	0	0	0	0	0	



TEST NUMBER: P412555

CATALOG NUMBER: 24PD-65-PB1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1857.3	1857.3	1857.3	1857.3	1857.3
2.5°	1858.3	1857.8	1857.8	1855.8	1859.7
5°	1856.3	1856.8	1856.3	1854.3	1856.3
7.5°	1852.3	1852.8	1851.9	1849.9	1851.9
10°	1847.4	1847.4	1845.5	1844.5	1845.9
12.5°	1839.1	1839.1	1837.1	1835.6	1837.1
15°	1828.2	1828.2	1825.8	1822.8	1824.3
17.5°	1814.9	1814.9	1811.0	1807.1	1808.0
20°	1798.7	1798.2	1792.8	1787.4	1787.9
22.5°	1778.0	1777.5	1770.6	1764.2	1762.3
25°	1752.9	1752.4	1744.0	1736.2	1734.2
27.5°	1723.9	1721.9	1712.5	1703.7	1701.7
30°	1689.4	1687.9	1675.6	1666.8	1662.8
32.5°	1649.5	1645.6	1634.3	1623.4	1618.0
35°	1599.8	1597.4	1586.0	1572.7	1566.3
37.5°	1543.7	1541.2	1528.9	1514.2	1506.8
40°	1478.7	1476.8	1461.5	1446.2	1436.9
42.5°	1403.9	1402.4	1386.2	1365.0	1355.2
45°	1320.7	1317.3	1296.6	1274.9	1263.1
47.5°	1228.2	1222.3	1197.2	1176.5	1163.7
50°	1125.8	1117.9	1090.8	1064.2	1051.0
52.5°	1015.0	1001.2	973.2	942.7	929.9
55°	902.8	885.6	849.1	823.5	814.2
57.5°	793.0	767.9	733.5	715.2	705.9
60°	685.2	657.6	630.6	612.9	606.5
62.5°	582.3	559.2	536.1	518.3	514.4
65°	487.3	466.2	450.9	433.7	431.2
67.5°	398.7	388.9	375.1	360.3	358.4
70°	321.4	317.5	305.2	296.3	292.9
72.5°	256.5	252.5	243.7	237.3	236.3
75°	194.9	191.0	188.0	181.6	180.2
77.5°	138.8	139.3	136.8	133.4	134.4
80°	100.4	94.5	92.5	90.6	90.1
82.5°	61.5	58.1	56.6	56.1	57.1
85°	31.5	30.0	30.5	29.0	30.5
87.5°	10.8	10.8	11.3	10.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)