

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: P412892

Luminaire Tested: **24PD-60-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PP3-L950
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

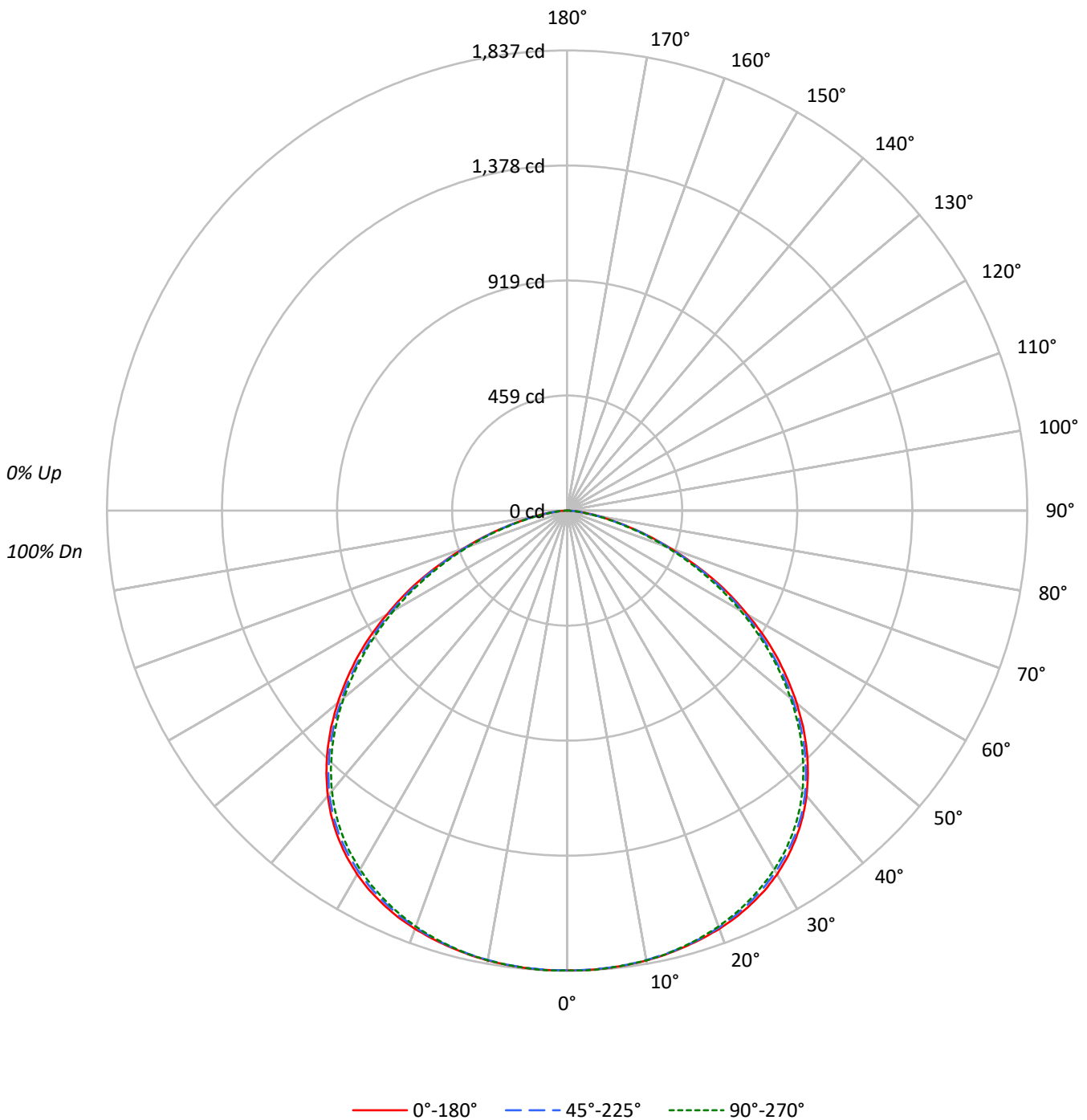
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5341.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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

TEST NUMBER: P412892
CATALOG NUMBER: 24PD-60-PP3-L950

Luminous Intensity Polar Plot





TEST NUMBER: P412892

CATALOG NUMBER: 24PD-60-PP3-L950

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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60					60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52					52			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39					39			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31					31			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2470	2470	2470
5°	2476	2476	2477
10°	2492	2489	2491
15°	2514	2510	2509
20°	2544	2536	2530
25°	2576	2563	2551
30°	2605	2586	2570
35°	2619	2603	2579
40°	2612	2596	2567
45°	2575	2549	2521
50°	2504	2463	2438
55°	2400	2343	2312
60°	2236	2197	2153
65°	2027	1986	1929
70°	1730	1699	1644
75°	1351	1338	1274
80°	996	955	902
85°	602	602	560



TEST NUMBER: P412892

CATALOG NUMBER: 24PD-60-PP3-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	3.3
10°-20°	509.6	9.5
20°-30°	796.5	14.9
30°-40°	989.9	18.5
40°-50°	1031.4	19.3
50°-60°	895.0	16.8
60°-70°	615.4	11.5
70°-80°	277.7	5.2
80°-90°	50.9	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°	1480.7	27.7
0°-40°	2470.6	46.3
0°-60°	4397.0	82.3
0°-90°	5341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1833	1834	1833	1831	1834	175
15°	1805	1805	1802	1800	1801	510
25°	1735	1735	1726	1719	1718	800
35°	1594	1594	1585	1576	1570	996
45°	1353	1354	1340	1330	1325	1041
55°	1023	1017	999	987	986	912
65°	637	634	624	609	606	628
75°	260	261	257	250	245	283
85°	39	38	39	38	36	53
90°	0	0	0	0	0	



TEST NUMBER: P412892

CATALOG NUMBER: 24PD-60-PP3-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1835.5	1835.5	1835.5	1835.5	1835.5
2.5°	1836.1	1836.1	1835.0	1833.4	1837.1
5°	1833.4	1833.9	1832.9	1831.3	1833.9
7.5°	1829.7	1830.2	1828.6	1827.0	1829.1
10°	1823.8	1823.3	1821.7	1820.6	1823.3
12.5°	1815.3	1814.7	1813.1	1812.1	1814.2
15°	1804.6	1804.6	1801.9	1800.3	1800.9
17.5°	1791.8	1791.8	1788.0	1784.3	1785.4
20°	1776.8	1776.3	1771.0	1767.2	1766.7
22.5°	1758.2	1758.2	1750.7	1745.9	1744.3
25°	1735.2	1734.7	1726.1	1719.2	1718.1
27.5°	1709.0	1708.0	1697.8	1690.9	1688.2
30°	1676.5	1675.4	1664.7	1657.3	1654.1
32.5°	1638.1	1639.7	1627.4	1618.8	1615.6
35°	1594.3	1594.3	1584.7	1575.6	1570.3
37.5°	1544.1	1544.1	1535.0	1526.0	1519.6
40°	1487.0	1487.5	1477.9	1466.7	1461.4
42.5°	1423.0	1424.0	1411.2	1402.1	1396.3
45°	1353.0	1353.6	1339.7	1329.6	1324.8
47.5°	1277.2	1276.2	1260.7	1252.2	1247.4
50°	1196.1	1194.0	1176.9	1168.9	1164.6
52.5°	1111.3	1107.0	1092.0	1080.3	1076.6
55°	1023.2	1017.3	998.6	986.9	985.8
57.5°	931.4	924.4	909.0	897.8	893.5
60°	831.0	829.4	816.6	803.3	800.1
62.5°	737.1	732.3	721.1	705.1	703.5
65°	636.8	634.1	623.9	609.0	605.8
67.5°	533.2	535.9	527.3	514.0	509.7
70°	439.8	441.4	431.8	419.5	417.9
72.5°	345.9	348.5	340.5	332.5	330.9
75°	259.9	261.0	257.3	250.3	245.0
77.5°	184.7	188.4	184.1	179.3	175.1
80°	128.6	122.8	123.3	121.2	116.4
82.5°	77.4	74.7	74.2	72.1	69.9
85°	39.0	38.4	39.0	38.4	36.3
87.5°	12.8	13.9	14.4	14.4	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)