

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: P412429

Luminaire Tested: **22PD-60-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-60-PB1-L927
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

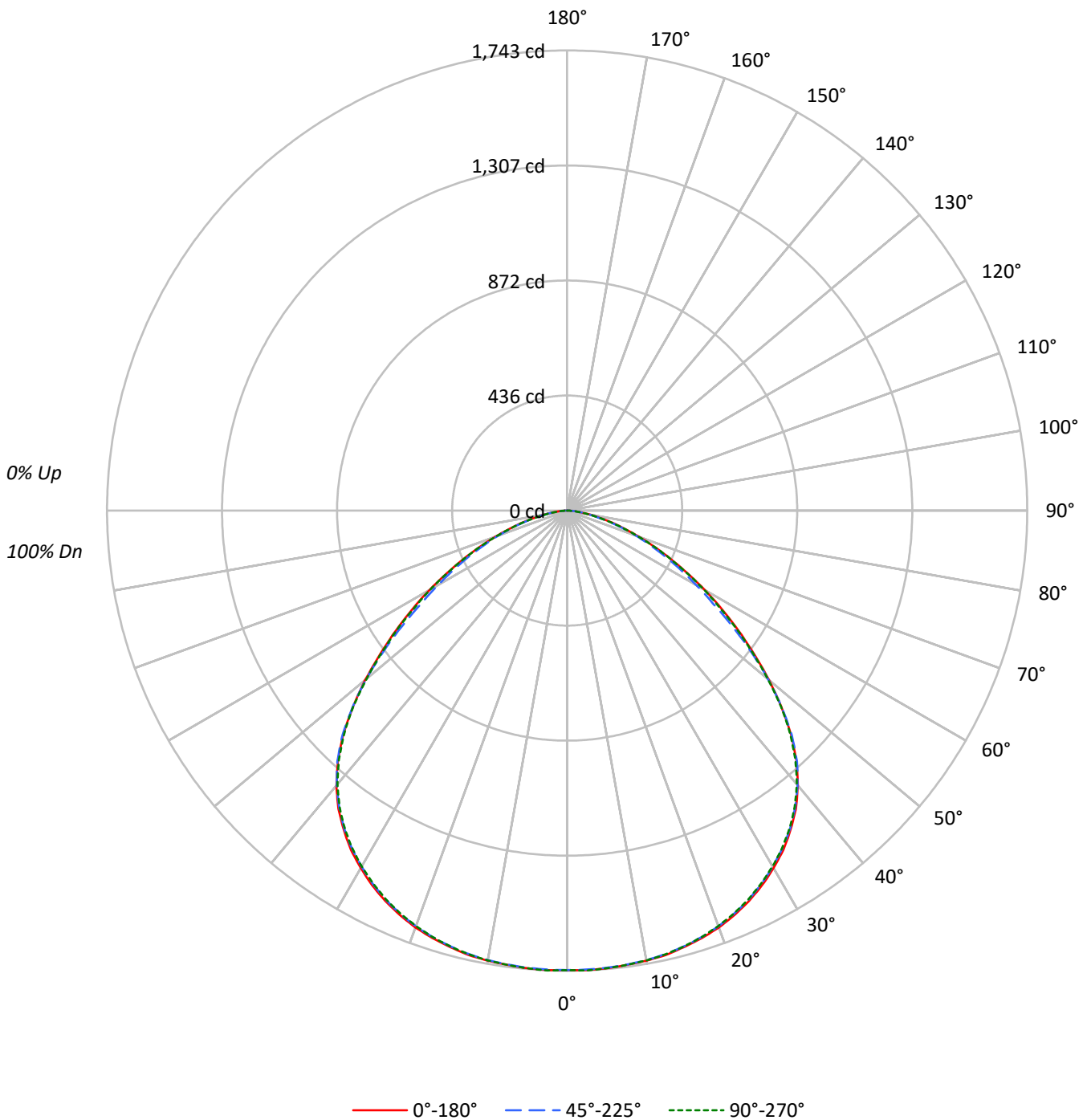
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4570.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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: P412429
CATALOG NUMBER: 22PD-60-PB1-L927

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	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	76	73
3	92	83	75	69	90	81	74	68	78	72	67		76	70	66		73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39		51	44	39		49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35		46	40	35		45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4684	4684	4684
5°	4699	4695	4701
10°	4730	4724	4727
15°	4768	4761	4761
20°	4812	4798	4795
25°	4842	4828	4823
30°	4859	4839	4835
35°	4848	4834	4825
40°	4776	4770	4755
45°	4566	4580	4545
50°	4180	4158	4153
55°	3715	3583	3689
60°	3239	3042	3218
65°	2745	2598	2732
70°	2270	2177	2249
75°	1835	1718	1762
80°	1327	1285	1277
85°	865	865	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	3.6
10°-20°	483.1	10.6
20°-30°	749.6	16.4
30°-40°	919.2	20.1
40°-50°	918.8	20.1
50°-60°	696.0	15.2
60°-70°	417.4	9.1
70°-80°	183.8	4.0
80°-90°	36.5	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°	1398.3	30.6
0°-40°	2317.5	50.7
0°-60°	3932.3	86.0
0°-90°	4570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1740	1738	1738	1738	1740	166
15°	1712	1710	1709	1708	1709	484
25°	1631	1628	1626	1623	1624	752
35°	1476	1475	1472	1470	1469	922
45°	1200	1201	1204	1200	1194	918
55°	792	774	764	774	786	710
65°	431	416	408	415	429	431
75°	176	173	165	168	170	188
85°	28	29	28	27	27	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1740.7	1740.7	1740.7	1740.7	1740.7
2.5°	1742.3	1739.6	1740.2	1740.2	1743.4
5°	1739.6	1737.5	1738.0	1737.5	1740.2
7.5°	1735.9	1733.7	1734.2	1733.7	1735.3
10°	1731.0	1728.9	1728.9	1727.8	1729.9
12.5°	1724.6	1721.9	1720.8	1720.3	1721.9
15°	1711.6	1710.0	1709.0	1707.9	1709.0
17.5°	1697.6	1695.0	1693.9	1691.7	1693.9
20°	1680.4	1676.7	1675.6	1674.0	1674.5
22.5°	1657.8	1654.6	1653.0	1650.3	1651.4
25°	1630.9	1627.7	1626.1	1623.4	1624.4
27.5°	1599.7	1597.5	1593.8	1591.6	1592.2
30°	1563.6	1561.5	1557.2	1556.1	1556.1
32.5°	1523.8	1521.1	1517.3	1516.3	1515.7
35°	1475.9	1475.3	1471.6	1470.5	1468.9
37.5°	1423.7	1422.6	1418.3	1417.2	1415.6
40°	1359.6	1358.5	1358.0	1355.9	1353.7
42.5°	1285.3	1287.0	1288.0	1283.7	1279.4
45°	1199.8	1201.4	1203.5	1200.3	1194.4
47.5°	1099.6	1106.1	1102.9	1105.0	1099.1
50°	998.5	998.5	993.1	995.2	992.0
52.5°	892.4	883.8	877.4	881.7	886.0
55°	791.8	774.5	763.8	774.0	786.4
57.5°	695.4	675.0	655.1	671.2	686.3
60°	601.8	578.1	565.2	577.0	598.0
62.5°	513.0	495.7	482.8	492.0	509.7
65°	431.1	416.1	408.0	415.0	429.0
67.5°	356.3	346.1	338.0	343.9	354.7
70°	288.5	285.8	276.7	279.4	285.8
72.5°	226.6	226.1	218.0	220.1	223.9
75°	176.5	172.8	165.2	167.9	169.5
77.5°	124.9	126.5	119.5	121.1	121.1
80°	85.6	88.3	82.9	81.8	82.4
82.5°	54.4	54.4	53.8	53.3	51.7
85°	28.0	29.1	28.0	26.9	26.9
87.5°	10.8	10.8	10.8	10.2	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)