

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: P412771

Luminaire Tested: **22PD-60-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-60-PP3-L927
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

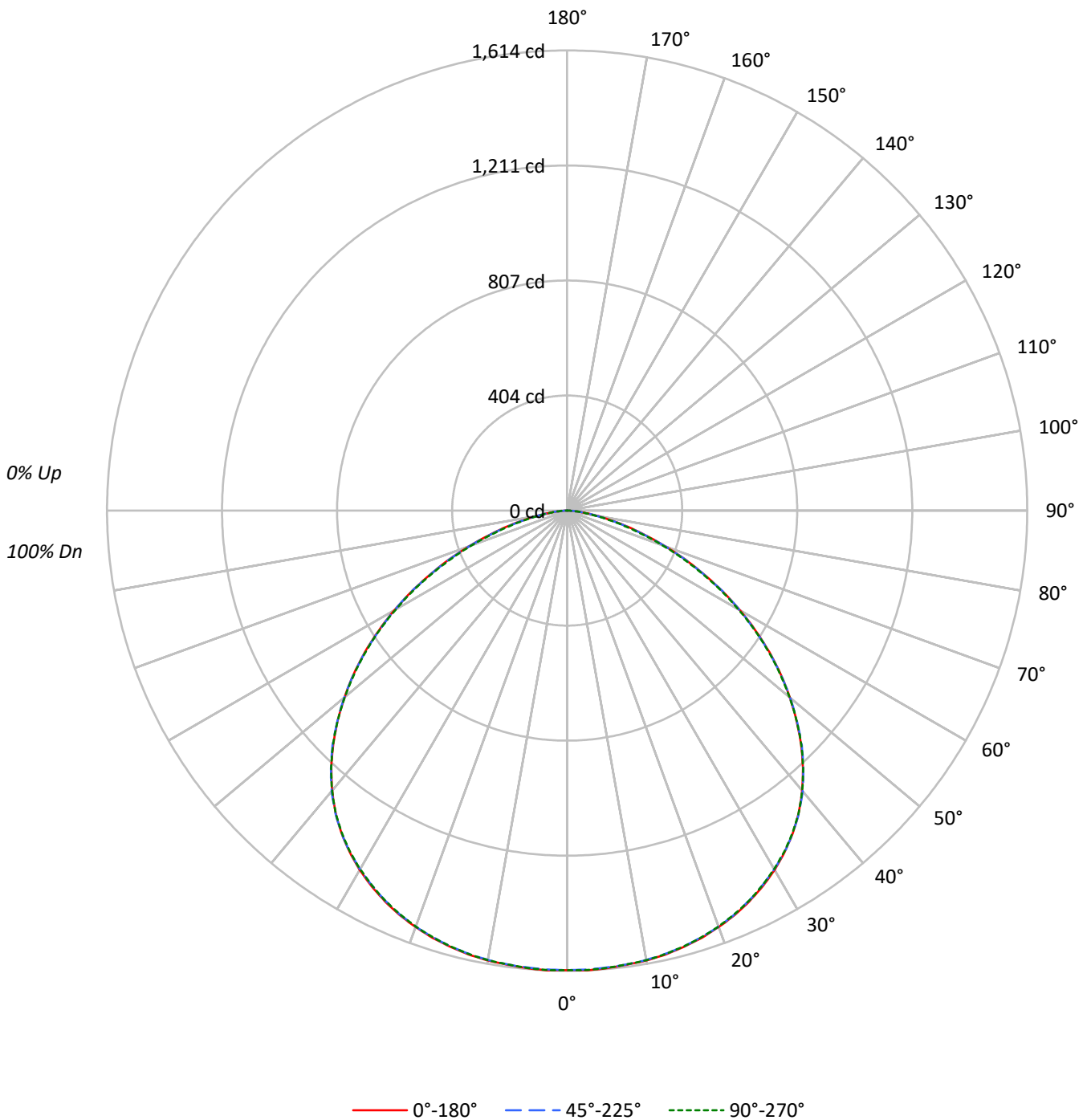
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4625.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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

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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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4338	4338	4338
5°	4351	4346	4349
10°	4378	4373	4376
15°	4413	4408	4408
20°	4451	4447	4445
25°	4491	4483	4483
30°	4522	4514	4512
35°	4535	4535	4530
40°	4506	4515	4506
45°	4416	4429	4423
50°	4268	4274	4263
55°	4063	4053	4046
60°	3772	3763	3734
65°	3369	3365	3328
70°	2880	2862	2799
75°	2295	2227	2161
80°	1635	1601	1519
85°	1062	1062	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	3.3
10°-20°	447.2	9.7
20°-30°	696.3	15.1
30°-40°	861.8	18.6
40°-50°	893.6	19.3
50°-60°	770.2	16.7
60°-70°	523.7	11.3
70°-80°	234.3	5.1
80°-90°	44.6	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°	1296.8	28.0
0°-40°	2158.5	46.7
0°-60°	3822.4	82.6
0°-90°	4625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1612	1612	1612	1612	1612	
5°	1611	1608	1609	1608	1610	153
15°	1584	1581	1582	1581	1582	448
25°	1512	1510	1510	1509	1510	697
35°	1381	1379	1381	1378	1379	862
45°	1160	1159	1164	1161	1162	893
55°	866	863	864	862	862	772
65°	529	533	528	527	523	525
75°	221	221	214	213	208	237
85°	34	36	34	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1612.0	1612.0	1612.0	1612.0	1612.0
2.5°	1614.2	1610.9	1610.9	1611.5	1613.1
5°	1610.9	1607.7	1608.8	1608.3	1609.9
7.5°	1606.6	1603.9	1605.6	1604.5	1605.6
10°	1602.3	1599.6	1600.2	1599.6	1601.3
12.5°	1594.8	1591.6	1592.6	1592.6	1593.2
15°	1584.0	1581.3	1582.4	1581.3	1582.4
17.5°	1571.1	1567.9	1568.4	1567.9	1569.0
20°	1554.4	1552.3	1552.8	1551.7	1552.3
22.5°	1535.6	1532.9	1533.4	1532.4	1532.4
25°	1512.4	1510.3	1509.8	1509.2	1509.8
27.5°	1485.5	1482.8	1482.8	1482.3	1482.3
30°	1455.4	1452.7	1452.7	1452.2	1452.2
32.5°	1419.9	1418.8	1419.3	1418.3	1417.7
35°	1380.6	1379.0	1380.6	1378.4	1379.0
37.5°	1334.8	1332.7	1335.9	1333.8	1334.3
40°	1282.6	1281.5	1285.3	1283.7	1282.6
42.5°	1224.5	1224.5	1226.1	1226.6	1225.6
45°	1160.4	1159.4	1163.7	1161.0	1162.1
47.5°	1091.5	1089.9	1093.2	1092.6	1092.1
50°	1019.4	1018.3	1021.0	1018.3	1018.3
52.5°	944.6	944.1	944.6	941.9	941.4
55°	866.0	862.8	863.9	862.3	862.3
57.5°	784.2	780.4	781.0	780.4	781.0
60°	700.8	699.7	699.2	696.5	693.8
62.5°	615.2	616.3	615.7	612.0	609.3
65°	529.1	533.4	528.5	526.9	522.6
67.5°	447.8	449.4	446.2	442.4	437.6
70°	366.0	369.2	363.8	360.1	355.8
72.5°	288.0	290.1	285.3	283.1	277.7
75°	220.7	221.2	214.2	213.1	207.8
77.5°	157.2	159.3	153.9	153.9	148.6
80°	105.5	109.3	103.3	101.7	98.0
82.5°	66.2	66.7	65.1	63.5	61.9
85°	34.4	35.5	34.4	33.4	33.4
87.5°	12.9	13.5	12.9	12.4	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)