

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: P412762

Luminaire Tested: **22PD-55-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412762
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-55-PP3-L927
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

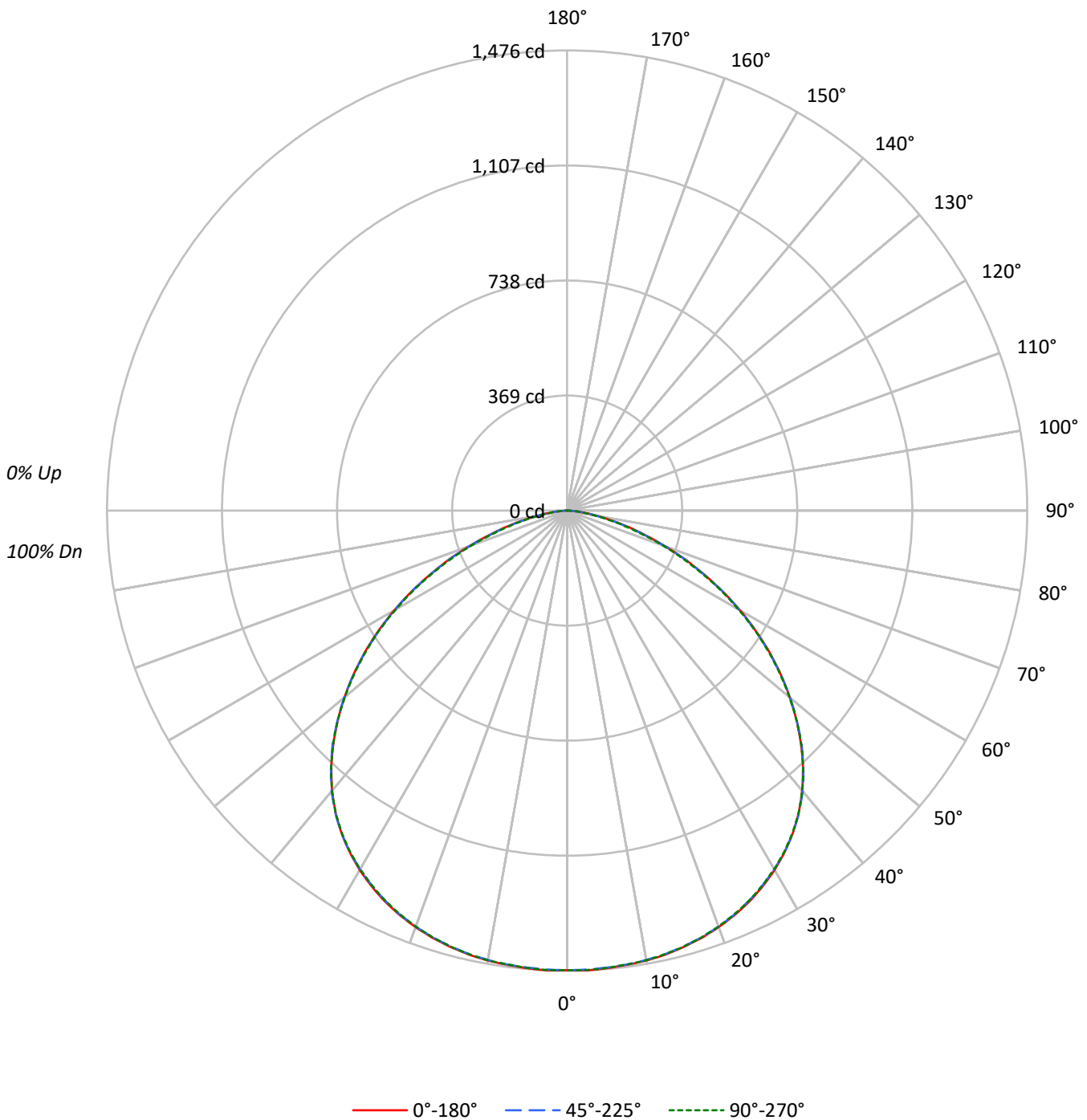
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4230.0 lumens
Efficiency: N/A
Efficacy: 91.6 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): 46.2
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°	3967	3967	3967
5°	3980	3975	3977
10°	4004	3999	4002
15°	4036	4032	4032
20°	4071	4067	4066
25°	4107	4100	4100
30°	4136	4128	4127
35°	4148	4148	4143
40°	4121	4129	4121
45°	4039	4050	4045
50°	3903	3909	3899
55°	3716	3707	3700
60°	3449	3442	3415
65°	3081	3078	3044
70°	2633	2618	2560
75°	2098	2037	1975
80°	1495	1464	1389
85°	973	973	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	3.3
10°-20°	409.0	9.7
20°-30°	636.8	15.1
30°-40°	788.2	18.6
40°-50°	817.3	19.3
50°-60°	704.5	16.7
60°-70°	478.9	11.3
70°-80°	214.3	5.1
80°-90°	40.8	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°	1186.0	28.0
0°-40°	1974.2	46.7
0°-60°	3495.9	82.6
0°-90°	4230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1473	1470	1471	1471	1472	140
15°	1449	1446	1447	1446	1447	410
25°	1383	1381	1381	1380	1381	638
35°	1263	1261	1263	1261	1261	789
45°	1061	1060	1064	1062	1063	817
55°	792	789	790	789	789	706
65°	484	488	483	482	478	480
75°	202	202	196	195	190	217
85°	32	32	32	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.3	1474.3	1474.3	1474.3	1474.3
2.5°	1476.3	1473.4	1473.4	1473.9	1475.3
5°	1473.4	1470.4	1471.4	1470.9	1472.4
7.5°	1469.4	1467.0	1468.4	1467.5	1468.4
10°	1465.5	1463.0	1463.5	1463.0	1464.5
12.5°	1458.6	1455.6	1456.6	1456.6	1457.1
15°	1448.7	1446.3	1447.3	1446.3	1447.3
17.5°	1436.9	1434.0	1434.5	1434.0	1435.0
20°	1421.7	1419.7	1420.2	1419.2	1419.7
22.5°	1404.4	1402.0	1402.5	1401.5	1401.5
25°	1383.3	1381.3	1380.8	1380.3	1380.8
27.5°	1358.7	1356.2	1356.2	1355.7	1355.7
30°	1331.1	1328.6	1328.6	1328.1	1328.1
32.5°	1298.6	1297.6	1298.1	1297.1	1296.6
35°	1262.7	1261.2	1262.7	1260.7	1261.2
37.5°	1220.8	1218.9	1221.8	1219.8	1220.3
40°	1173.1	1172.1	1175.5	1174.1	1173.1
42.5°	1119.9	1119.9	1121.4	1121.9	1120.9
45°	1061.3	1060.3	1064.3	1061.8	1062.8
47.5°	998.3	996.8	999.8	999.3	998.8
50°	932.4	931.4	933.8	931.4	931.4
52.5°	863.9	863.4	863.9	861.5	861.0
55°	792.1	789.1	790.1	788.6	788.6
57.5°	717.2	713.8	714.3	713.8	714.3
60°	640.9	639.9	639.5	637.0	634.5
62.5°	562.7	563.6	563.2	559.7	557.2
65°	483.9	487.8	483.4	481.9	478.0
67.5°	409.6	411.0	408.1	404.6	400.2
70°	334.7	337.7	332.8	329.3	325.4
72.5°	263.4	265.3	260.9	258.9	254.0
75°	201.8	202.3	195.9	194.9	190.0
77.5°	143.7	145.7	140.8	140.8	135.9
80°	96.5	99.9	94.5	93.0	89.6
82.5°	60.5	61.0	59.6	58.1	56.6
85°	31.5	32.5	31.5	30.5	30.5
87.5°	11.8	12.3	11.8	11.3	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)