

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: P412764

Luminaire Tested: **22PD-55-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412764
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-L935
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

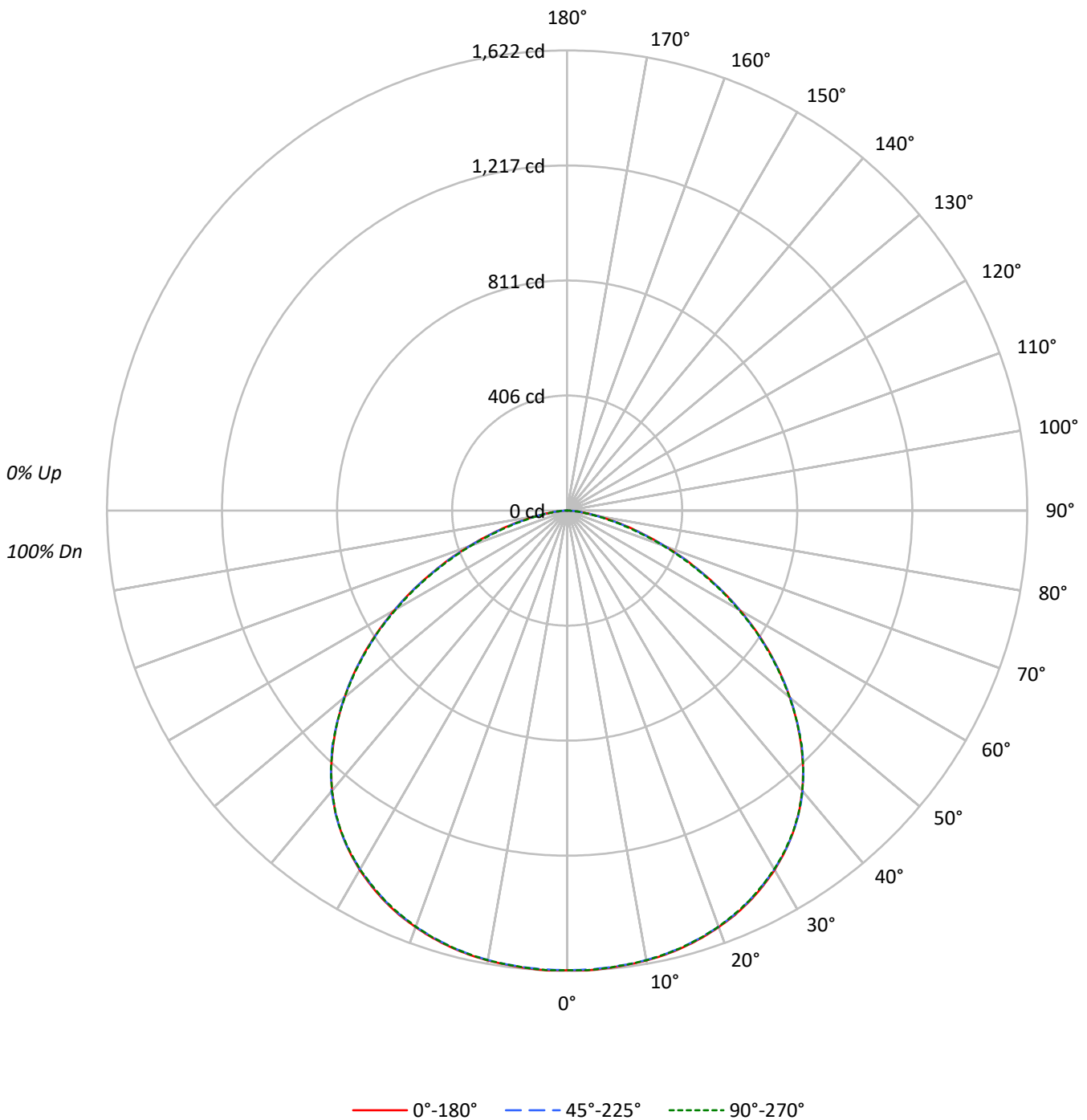
Lumens per Lamp: N/A
Luminaire Lumens: 4649.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4360	4360	4360
5°	4374	4368	4371
10°	4401	4395	4398
15°	4436	4431	4431
20°	4474	4470	4468
25°	4514	4506	4506
30°	4546	4537	4536
35°	4559	4559	4553
40°	4529	4539	4529
45°	4439	4451	4445
50°	4290	4297	4285
55°	4084	4074	4066
60°	3791	3782	3753
65°	3386	3383	3345
70°	2895	2877	2814
75°	2306	2239	2171
80°	1643	1610	1526
85°	1068	1068	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	3.3
10°-20°	449.5	9.7
20°-30°	699.9	15.1
30°-40°	866.3	18.6
40°-50°	898.2	19.3
50°-60°	774.2	16.7
60°-70°	526.4	11.3
70°-80°	235.5	5.1
80°-90°	44.8	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°	1303.5	28.0
0°-40°	2169.7	46.7
0°-60°	3842.2	82.6
0°-90°	4649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1619	1616	1617	1617	1618	154
15°	1592	1590	1591	1590	1591	450
25°	1520	1518	1518	1517	1518	701
35°	1388	1386	1388	1386	1386	867
45°	1166	1165	1170	1167	1168	898
55°	870	867	868	867	867	776
65°	532	536	531	530	525	528
75°	222	222	215	214	209	239
85°	35	36	35	34	34	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1622.5	1619.3	1619.3	1619.8	1621.5
5°	1619.3	1616.1	1617.1	1616.6	1618.2
7.5°	1615.0	1612.3	1613.9	1612.8	1613.9
10°	1610.6	1607.9	1608.5	1607.9	1609.6
12.5°	1603.1	1599.8	1600.9	1600.9	1601.4
15°	1592.3	1589.5	1590.6	1589.5	1590.6
17.5°	1579.3	1576.0	1576.6	1576.0	1577.1
20°	1562.5	1560.3	1560.9	1559.8	1560.3
22.5°	1543.6	1540.9	1541.4	1540.3	1540.3
25°	1520.3	1518.1	1517.6	1517.0	1517.6
27.5°	1493.2	1490.5	1490.5	1490.0	1490.0
30°	1462.9	1460.2	1460.2	1459.7	1459.7
32.5°	1427.2	1426.2	1426.7	1425.6	1425.1
35°	1387.7	1386.1	1387.7	1385.6	1386.1
37.5°	1341.8	1339.6	1342.8	1340.7	1341.2
40°	1289.3	1288.2	1292.0	1290.4	1289.3
42.5°	1230.8	1230.8	1232.5	1233.0	1231.9
45°	1166.5	1165.4	1169.7	1167.0	1168.1
47.5°	1097.2	1095.6	1098.8	1098.3	1097.7
50°	1024.7	1023.6	1026.3	1023.6	1023.6
52.5°	949.5	949.0	949.5	946.8	946.3
55°	870.5	867.3	868.4	866.7	866.7
57.5°	788.3	784.5	785.0	784.5	785.0
60°	704.4	703.3	702.8	700.1	697.4
62.5°	618.4	619.5	618.9	615.2	612.4
65°	531.8	536.2	531.3	529.7	525.3
67.5°	450.1	451.8	448.5	444.7	439.9
70°	367.9	371.1	365.7	361.9	357.6
72.5°	289.5	291.6	286.7	284.6	279.2
75°	221.8	222.4	215.3	214.2	208.8
77.5°	158.0	160.1	154.7	154.7	149.3
80°	106.0	109.8	103.9	102.3	98.5
82.5°	66.5	67.1	65.5	63.8	62.2
85°	34.6	35.7	34.6	33.5	33.5
87.5°	13.0	13.5	13.0	12.4	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)