

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: P413108

Luminaire Tested: **22PD-55-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-55-PC3-L950
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

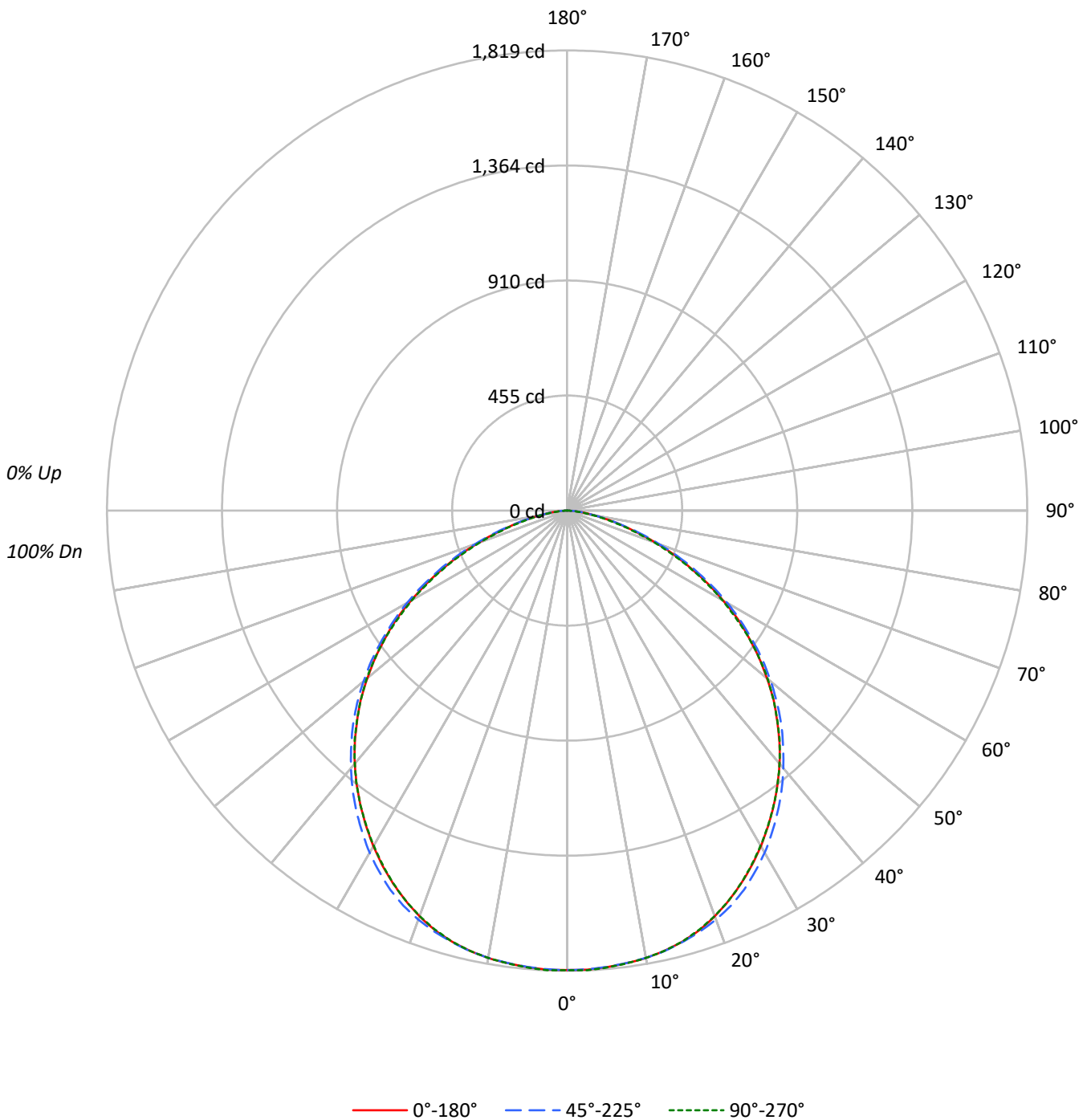
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4880.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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 (A_{in}): 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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4888	4888	4888
5°	4894	4891	4898
10°	4907	4905	4907
15°	4913	4919	4911
20°	4887	4927	4884
25°	4831	4910	4828
30°	4759	4853	4752
35°	4677	4770	4677
40°	4589	4670	4589
45°	4468	4556	4475
50°	4315	4400	4332
55°	4115	4196	4115
60°	3837	3934	3813
65°	3443	3565	3400
70°	2946	3050	2859
75°	2337	2403	2217
80°	1674	1737	1593
85°	1105	1142	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	3.5
10°-20°	497.8	10.2
20°-30°	755.3	15.5
30°-40°	902.0	18.5
40°-50°	917.3	18.8
50°-60°	793.5	16.3
60°-70°	546.0	11.2
70°-80°	247.8	5.1
80°-90°	48.0	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°	1425.5	29.2
0°-40°	2327.5	47.7
0°-60°	4038.2	82.8
0°-90°	4880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1816	1816	1816	1816	1816	
5°	1812	1810	1811	1811	1813	172
15°	1763	1764	1766	1763	1763	497
25°	1627	1642	1654	1639	1626	749
35°	1424	1449	1452	1447	1424	890
45°	1174	1195	1197	1196	1176	905
55°	877	892	894	893	877	784
65°	541	556	560	555	534	537
75°	225	233	231	229	213	242
85°	36	38	37	36	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1816.5	1816.5	1816.5	1816.5	1816.5
2.5°	1816.5	1814.2	1814.8	1815.4	1818.8
5°	1811.9	1810.2	1810.7	1810.7	1813.1
7.5°	1804.4	1803.8	1803.8	1803.2	1805.0
10°	1795.7	1794.6	1795.1	1794.6	1795.7
12.5°	1782.4	1782.4	1783.0	1781.3	1782.4
15°	1763.4	1764.5	1765.7	1762.8	1762.8
17.5°	1739.1	1742.0	1744.9	1739.7	1736.8
20°	1706.7	1713.7	1720.6	1712.5	1705.6
22.5°	1669.2	1680.7	1691.1	1678.4	1669.2
25°	1627.0	1641.5	1653.6	1638.6	1625.9
27.5°	1581.4	1597.5	1609.1	1596.4	1579.1
30°	1531.7	1551.3	1561.7	1549.6	1529.4
32.5°	1478.5	1501.6	1508.0	1500.5	1477.4
35°	1423.6	1449.1	1451.9	1446.7	1423.6
37.5°	1366.4	1390.7	1393.0	1390.1	1366.4
40°	1306.3	1328.9	1329.5	1329.5	1306.3
42.5°	1242.2	1264.2	1264.2	1263.6	1243.9
45°	1174.0	1195.4	1197.1	1196.0	1175.8
47.5°	1106.4	1122.6	1125.5	1123.2	1105.3
50°	1030.8	1047.5	1051.0	1048.7	1034.8
52.5°	955.6	971.2	974.7	973.0	957.4
55°	877.1	892.1	894.4	892.7	877.1
57.5°	801.4	811.2	813.5	810.0	790.4
60°	713.0	726.8	730.9	726.8	708.4
62.5°	627.5	642.5	646.0	640.2	620.5
65°	540.8	555.8	559.9	555.2	533.9
67.5°	458.8	469.7	473.2	468.0	448.4
70°	374.4	388.3	387.7	380.8	363.4
72.5°	291.2	310.3	306.8	302.8	283.7
75°	224.8	233.4	231.1	228.8	213.2
77.5°	160.6	171.0	165.2	165.8	152.5
80°	108.0	117.9	112.1	109.8	102.8
82.5°	68.8	72.8	71.6	70.5	64.1
85°	35.8	38.1	37.0	35.8	33.5
87.5°	13.9	15.0	13.9	13.9	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)