

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: P412773

Luminaire Tested: **22PD-60-PP3-L935**

Issue Date: 9/15/2020



**Test Information**

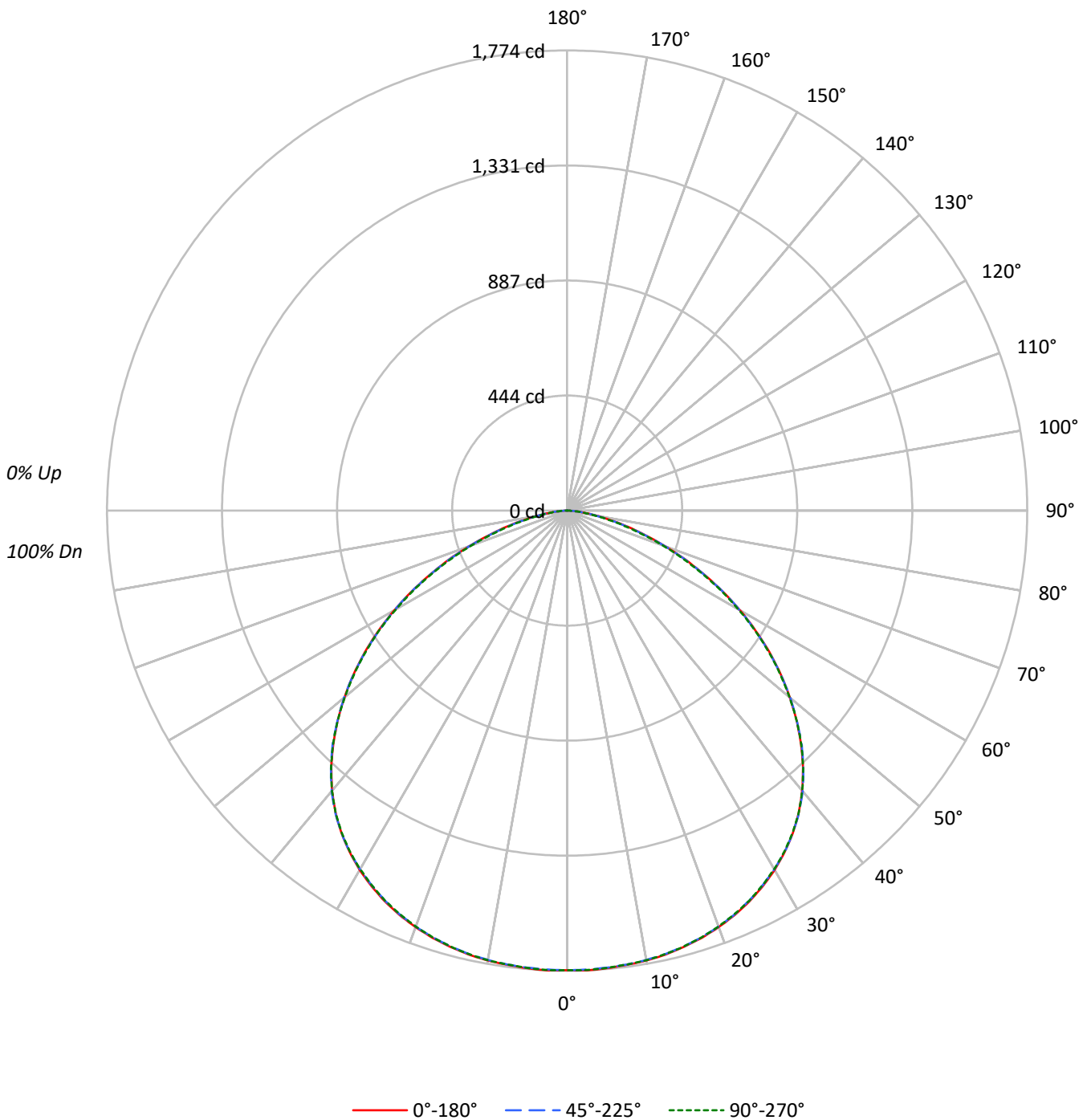
Test Method: LM-79-08  
Report Number: P412773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PP3-L935  
Description: 6000 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: 5084.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45					45			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39					39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4768	4768	4768
5°	4783	4777	4780
10°	4813	4806	4810
15°	4851	4846	4846
20°	4893	4888	4886
25°	4936	4928	4928
30°	4971	4962	4960
35°	4985	4985	4980
40°	4953	4963	4953
45°	4854	4868	4861
50°	4691	4699	4686
55°	4466	4455	4447
60°	4146	4137	4104
65°	3703	3699	3658
70°	3165	3147	3077
75°	2522	2449	2375
80°	1798	1760	1669
85°	1170	1170	1133



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.5	3.3
10°-20°	491.5	9.7
20°-30°	765.4	15.1
30°-40°	947.3	18.6
40°-50°	982.3	19.3
50°-60°	846.7	16.7
60°-70°	575.6	11.3
70°-80°	257.6	5.1
80°-90°	49.1	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	28.0
0°-40°	2372.8	46.7
0°-60°	4201.8	82.6
0°-90°	5084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5084.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1771	1767	1768	1768	1770	169
15°	1741	1738	1740	1738	1740	492
25°	1662	1660	1660	1659	1660	767
35°	1518	1516	1518	1515	1516	948
45°	1276	1274	1279	1276	1277	982
55°	952	948	950	948	948	849
65°	582	586	581	579	574	577
75°	243	243	236	234	228	261
85°	38	39	38	37	37	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1772.0	1772.0	1772.0	1772.0	1772.0
2.5°	1774.4	1770.8	1770.8	1771.4	1773.2
5°	1770.8	1767.3	1768.5	1767.9	1769.6
7.5°	1766.1	1763.1	1764.9	1763.7	1764.9
10°	1761.4	1758.4	1759.0	1758.4	1760.2
12.5°	1753.1	1749.5	1750.7	1750.7	1751.3
15°	1741.2	1738.3	1739.5	1738.3	1739.5
17.5°	1727.0	1723.5	1724.1	1723.5	1724.7
20°	1708.7	1706.3	1706.9	1705.7	1706.3
22.5°	1688.0	1685.0	1685.6	1684.4	1684.4
25°	1662.5	1660.2	1659.6	1659.0	1659.6
27.5°	1633.0	1630.0	1630.0	1629.4	1629.4
30°	1599.8	1596.9	1596.9	1596.3	1596.3
32.5°	1560.8	1559.6	1560.2	1559.0	1558.4
35°	1517.6	1515.8	1517.6	1515.2	1515.8
37.5°	1467.3	1464.9	1468.5	1466.1	1466.7
40°	1409.9	1408.7	1412.9	1411.1	1409.9
42.5°	1346.0	1346.0	1347.8	1348.4	1347.2
45°	1275.6	1274.4	1279.2	1276.2	1277.4
47.5°	1199.9	1198.1	1201.6	1201.1	1200.5
50°	1120.6	1119.4	1122.4	1119.4	1119.4
52.5°	1038.4	1037.8	1038.4	1035.4	1034.8
55°	952.0	948.4	949.6	947.8	947.8
57.5°	862.0	857.9	858.5	857.9	858.5
60°	770.3	769.1	768.6	765.6	762.6
62.5°	676.3	677.4	676.9	672.7	669.8
65°	581.6	586.3	581.0	579.2	574.5
67.5°	492.3	494.0	490.5	486.3	481.0
70°	402.3	405.9	400.0	395.8	391.1
72.5°	316.5	318.9	313.6	311.2	305.3
75°	242.6	243.2	235.5	234.3	228.4
77.5°	172.8	175.1	169.2	169.2	163.3
80°	116.0	120.1	113.6	111.8	107.7
82.5°	72.8	73.4	71.6	69.8	68.0
85°	37.9	39.0	37.9	36.7	36.7
87.5°	14.2	14.8	14.2	13.6	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)