

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: P412775

Luminaire Tested: **22PD-60-PP3-L950**

Issue Date: 9/15/2020



**Test Information**

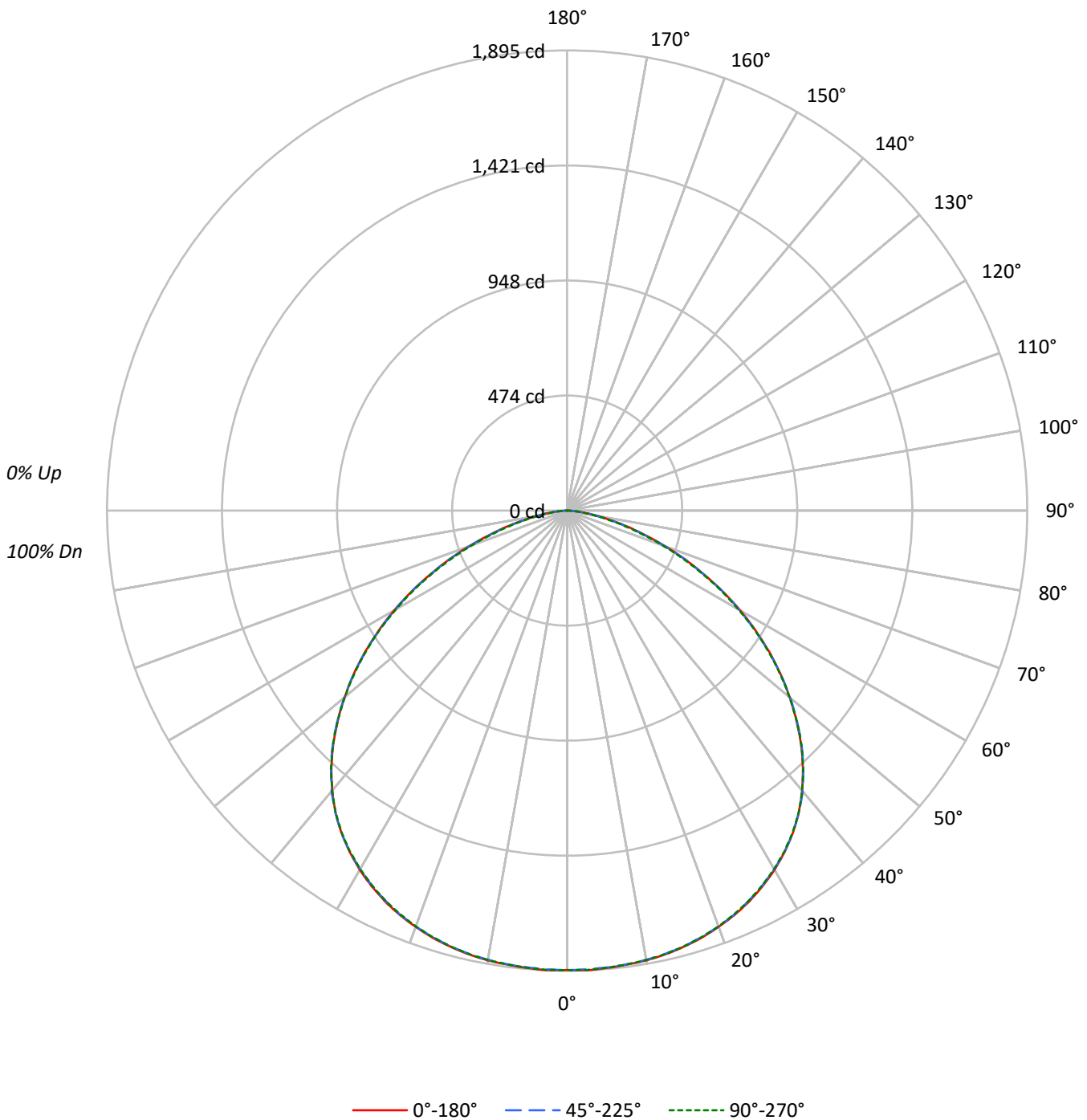
Test Method: LM-79-08  
Report Number: P412775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PP3-L950  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5429.0 lumens  
Efficiency: N/A  
Efficacy: 101.3 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°	5092	5092	5092
5°	5108	5101	5105
10°	5140	5132	5136
15°	5180	5175	5175
20°	5225	5220	5218
25°	5271	5262	5262
30°	5308	5299	5297
35°	5324	5324	5318
40°	5289	5300	5289
45°	5184	5198	5191
50°	5009	5017	5004
55°	4769	4757	4748
60°	4427	4417	4383
65°	3955	3950	3906
70°	3380	3360	3286
75°	2693	2615	2536
80°	1918	1880	1782
85°	1247	1247	1210



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.0	3.3
10°-20°	524.9	9.7
20°-30°	817.3	15.1
30°-40°	1011.6	18.6
40°-50°	1049.0	19.3
50°-60°	904.1	16.7
60°-70°	614.7	11.3
70°-80°	275.1	5.1
80°-90°	52.4	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°	1522.2	28.0
0°-40°	2533.8	46.7
0°-60°	4486.9	82.6
0°-90°	5429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1891	1887	1888	1888	1890	180
15°	1859	1856	1858	1856	1858	526
25°	1775	1773	1772	1772	1772	819
35°	1621	1619	1621	1618	1619	1012
45°	1362	1361	1366	1363	1364	1048
55°	1017	1013	1014	1012	1012	906
65°	621	626	620	618	614	617
75°	259	260	252	250	244	279
85°	40	42	40	39	39	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1892.2	1892.2	1892.2	1892.2	1892.2
2.5°	1894.8	1891.0	1891.0	1891.6	1893.5
5°	1891.0	1887.2	1888.5	1887.8	1889.7
7.5°	1885.9	1882.8	1884.7	1883.4	1884.7
10°	1880.9	1877.7	1878.3	1877.7	1879.6
12.5°	1872.0	1868.2	1869.5	1869.5	1870.1
15°	1859.4	1856.2	1857.5	1856.2	1857.5
17.5°	1844.2	1840.4	1841.1	1840.4	1841.7
20°	1824.6	1822.1	1822.8	1821.5	1822.1
22.5°	1802.5	1799.4	1800.0	1798.7	1798.7
25°	1775.4	1772.8	1772.2	1771.6	1772.2
27.5°	1743.8	1740.6	1740.6	1740.0	1740.0
30°	1708.4	1705.2	1705.2	1704.6	1704.6
32.5°	1666.7	1665.4	1666.1	1664.8	1664.2
35°	1620.6	1618.7	1620.6	1618.0	1618.7
37.5°	1566.9	1564.3	1568.1	1565.6	1566.2
40°	1505.6	1504.3	1508.7	1506.8	1505.6
42.5°	1437.4	1437.4	1439.2	1439.9	1438.6
45°	1362.2	1360.9	1366.0	1362.8	1364.1
47.5°	1281.3	1279.4	1283.2	1282.6	1281.9
50°	1196.6	1195.4	1198.5	1195.4	1195.4
52.5°	1108.8	1108.2	1108.8	1105.7	1105.0
55°	1016.6	1012.8	1014.0	1012.1	1012.1
57.5°	920.5	916.1	916.7	916.1	916.7
60°	822.6	821.3	820.7	817.6	814.4
62.5°	722.2	723.4	722.8	718.4	715.2
65°	621.1	626.1	620.4	618.5	613.5
67.5°	525.7	527.6	523.8	519.3	513.7
70°	429.6	433.4	427.1	422.7	417.6
72.5°	338.0	340.5	334.9	332.3	326.0
75°	259.0	259.7	251.5	250.2	243.9
77.5°	184.5	187.0	180.7	180.7	174.4
80°	123.8	128.3	121.3	119.4	115.0
82.5°	77.7	78.3	76.4	74.6	72.7
85°	40.4	41.7	40.4	39.2	39.2
87.5°	15.2	15.8	15.2	14.5	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)