

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: P413116

Luminaire Tested: **22PD-60-PC3-L940**

Issue Date: 9/15/2020



**Test Information**

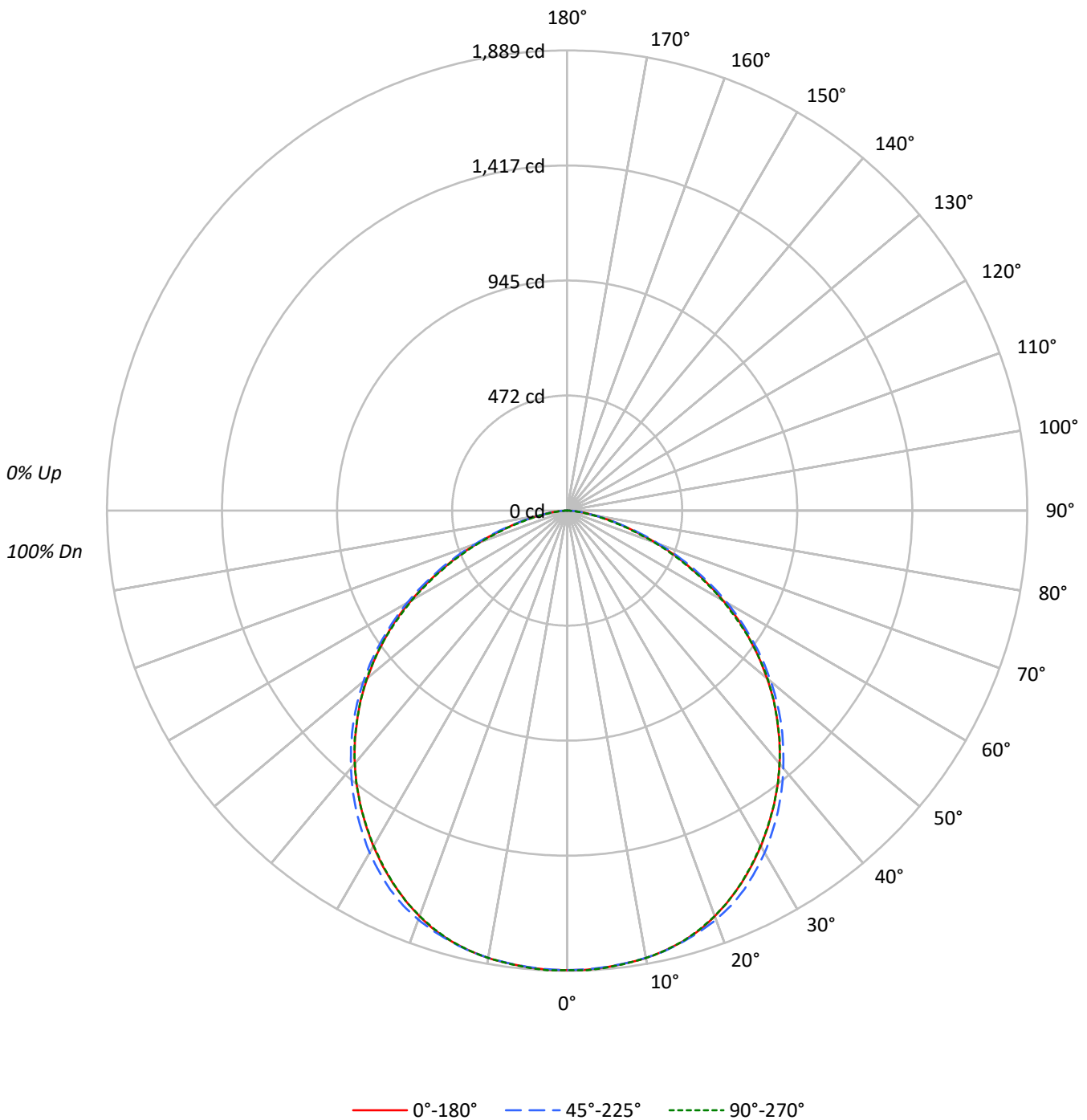
Test Method: LM-79-08  
Report Number: P413116  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PC3-L940  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5068.0 lumens  
Efficiency: N/A  
Efficacy: 94.6 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): 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	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°	5077	5077	5077
5°	5083	5080	5086
10°	5096	5094	5096
15°	5102	5109	5100
20°	5076	5117	5072
25°	5017	5099	5013
30°	4943	5040	4935
35°	4857	4954	4857
40°	4766	4850	4766
45°	4640	4732	4647
50°	4482	4569	4499
55°	4274	4358	4274
60°	3985	4085	3959
65°	3576	3702	3530
70°	3059	3168	2969
75°	2427	2495	2302
80°	1739	1804	1655
85°	1149	1186	1074



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.0	3.5
10°-20°	517.0	10.2
20°-30°	784.4	15.5
30°-40°	936.8	18.5
40°-50°	952.7	18.8
50°-60°	824.0	16.3
60°-70°	567.0	11.2
70°-80°	257.3	5.1
80°-90°	49.8	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°	1480.4	29.2
0°-40°	2417.1	47.7
0°-60°	4193.9	82.8
0°-90°	5068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1886	1886	1886	1886	1886	
5°	1882	1880	1880	1880	1883	179
15°	1831	1832	1834	1831	1831	517
25°	1690	1705	1717	1702	1688	778
35°	1478	1505	1508	1502	1478	925
45°	1219	1242	1243	1242	1221	940
55°	911	926	929	927	911	814
65°	562	577	581	577	554	557
75°	233	242	240	238	221	251
85°	37	40	38	37	35	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1886.5	1886.5	1886.5	1886.5	1886.5
2.5°	1886.5	1884.1	1884.7	1885.3	1888.9
5°	1881.7	1879.9	1880.5	1880.5	1882.9
7.5°	1873.9	1873.3	1873.3	1872.7	1874.5
10°	1864.9	1863.7	1864.3	1863.7	1864.9
12.5°	1851.1	1851.1	1851.7	1849.9	1851.1
15°	1831.3	1832.5	1833.7	1830.7	1830.7
17.5°	1806.1	1809.1	1812.1	1806.7	1803.7
20°	1772.5	1779.7	1786.9	1778.5	1771.3
22.5°	1733.5	1745.5	1756.3	1743.1	1733.5
25°	1689.7	1704.7	1717.3	1701.7	1688.5
27.5°	1642.3	1659.1	1671.1	1657.9	1639.9
30°	1590.7	1611.1	1621.9	1609.3	1588.3
32.5°	1535.5	1559.5	1566.1	1558.3	1534.3
35°	1478.5	1504.9	1507.9	1502.5	1478.5
37.5°	1419.1	1444.3	1446.7	1443.7	1419.1
40°	1356.7	1380.1	1380.7	1380.7	1356.7
42.5°	1290.1	1312.9	1312.9	1312.3	1291.9
45°	1219.3	1241.5	1243.3	1242.1	1221.1
47.5°	1149.1	1165.9	1168.9	1166.5	1147.9
50°	1070.5	1087.9	1091.5	1089.1	1074.7
52.5°	992.5	1008.7	1012.3	1010.5	994.3
55°	910.9	926.5	928.9	927.1	910.9
57.5°	832.2	842.4	844.8	841.2	820.8
60°	740.4	754.8	759.0	754.8	735.6
62.5°	651.6	667.2	670.8	664.8	644.4
65°	561.6	577.2	581.4	576.6	554.4
67.5°	476.4	487.8	491.4	486.0	465.6
70°	388.8	403.2	402.6	395.4	377.4
72.5°	302.4	322.2	318.6	314.4	294.6
75°	233.4	242.4	240.0	237.6	221.4
77.5°	166.8	177.6	171.6	172.2	158.4
80°	112.2	122.4	116.4	114.0	106.8
82.5°	71.4	75.6	74.4	73.2	66.6
85°	37.2	39.6	38.4	37.2	34.8
87.5°	14.4	15.6	14.4	14.4	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)