

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: P412774

Luminaire Tested: **22PD-60-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

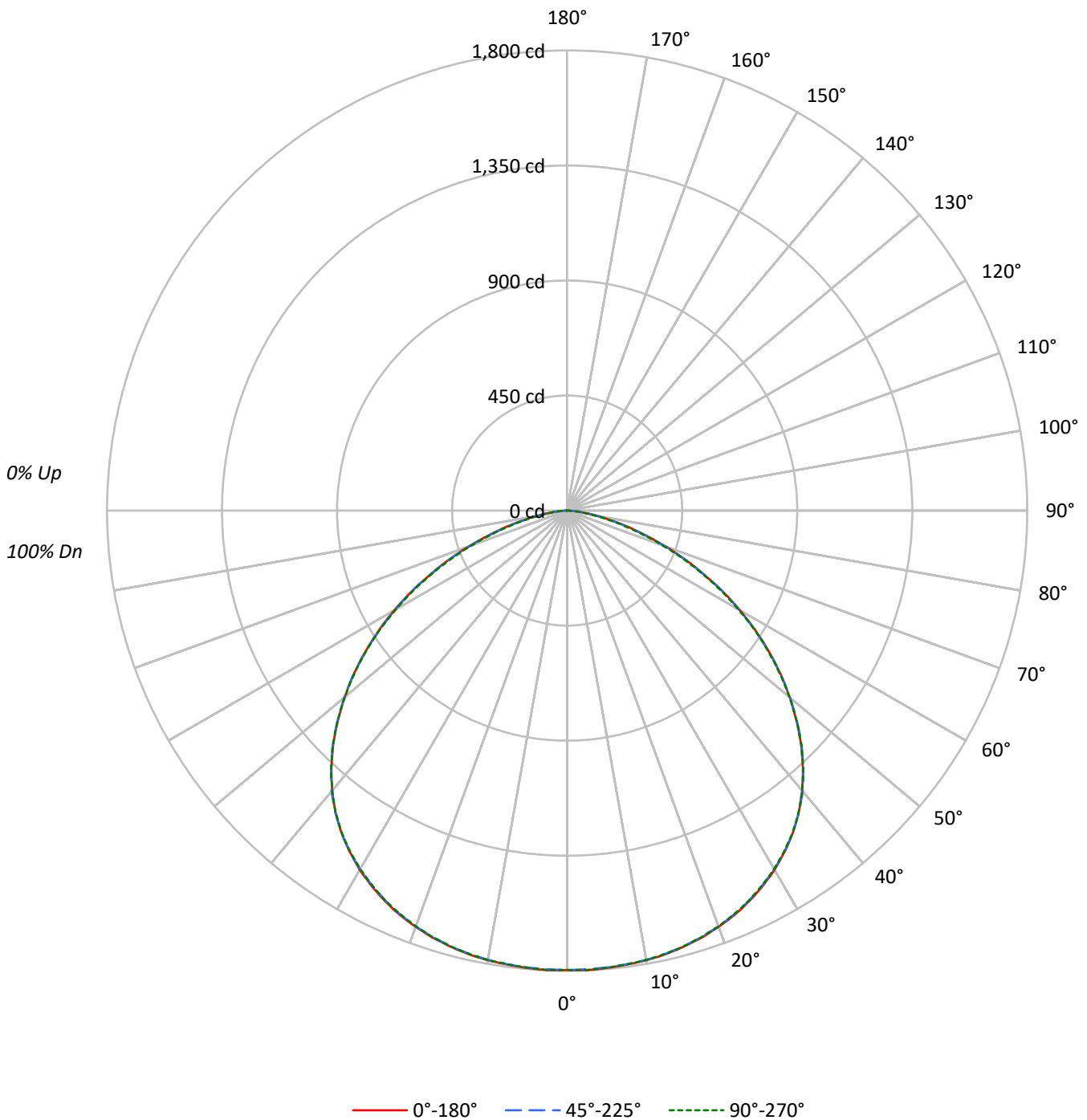
Test Method: LM-79-08  
Report Number: P412774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PP3-L940  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5156.0 lumens  
Efficiency: N/A  
Efficacy: 96.2 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°	4836	4836	4836
5°	4851	4845	4848
10°	4881	4874	4878
15°	4920	4915	4915
20°	4962	4957	4956
25°	5006	4997	4997
30°	5042	5032	5030
35°	5056	5056	5050
40°	5023	5034	5023
45°	4923	4937	4930
50°	4758	4765	4753
55°	4530	4518	4510
60°	4204	4195	4162
65°	3755	3752	3710
70°	3210	3191	3120
75°	2558	2483	2408
80°	1822	1785	1692
85°	1186	1186	1149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.9	3.3
10°-20°	498.5	9.7
20°-30°	776.2	15.1
30°-40°	960.7	18.6
40°-50°	996.2	19.3
50°-60°	858.7	16.7
60°-70°	583.8	11.3
70°-80°	261.2	5.1
80°-90°	49.7	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°	1445.7	28.0
0°-40°	2406.4	46.7
0°-60°	4261.3	82.6
0°-90°	5156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1797	1797	1797	1797	1797	
5°	1796	1792	1794	1793	1795	171
15°	1766	1763	1764	1763	1764	499
25°	1686	1684	1683	1682	1683	777
35°	1539	1537	1539	1537	1537	961
45°	1294	1292	1297	1294	1296	996
55°	966	962	963	961	961	861
65°	590	595	589	587	583	586
75°	246	247	239	238	232	265
85°	38	40	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°	1797.1	1797.1	1797.1	1797.1	1797.1
2.5°	1799.5	1795.9	1795.9	1796.5	1798.3
5°	1795.9	1792.3	1793.5	1792.9	1794.7
7.5°	1791.1	1788.1	1789.9	1788.7	1789.9
10°	1786.3	1783.3	1783.9	1783.3	1785.1
12.5°	1777.9	1774.3	1775.5	1775.5	1776.1
15°	1765.9	1762.9	1764.1	1762.9	1764.1
17.5°	1751.5	1747.9	1748.5	1747.9	1749.1
20°	1732.9	1730.5	1731.1	1729.9	1730.5
22.5°	1711.9	1708.9	1709.5	1708.3	1708.3
25°	1686.1	1683.7	1683.1	1682.5	1683.1
27.5°	1656.1	1653.1	1653.1	1652.5	1652.5
30°	1622.5	1619.5	1619.5	1618.9	1618.9
32.5°	1582.9	1581.7	1582.3	1581.1	1580.5
35°	1539.1	1537.3	1539.1	1536.7	1537.3
37.5°	1488.1	1485.7	1489.3	1486.9	1487.5
40°	1429.9	1428.7	1432.9	1431.1	1429.9
42.5°	1365.1	1365.1	1366.9	1367.5	1366.3
45°	1293.7	1292.5	1297.3	1294.3	1295.5
47.5°	1216.9	1215.1	1218.7	1218.1	1217.5
50°	1136.5	1135.3	1138.3	1135.3	1135.3
52.5°	1053.1	1052.5	1053.1	1050.1	1049.5
55°	965.5	961.9	963.1	961.3	961.3
57.5°	874.2	870.0	870.6	870.0	870.6
60°	781.2	780.0	779.4	776.4	773.4
62.5°	685.8	687.0	686.4	682.2	679.2
65°	589.8	594.6	589.2	587.4	582.6
67.5°	499.2	501.0	497.4	493.2	487.8
70°	408.0	411.6	405.6	401.4	396.6
72.5°	321.0	323.4	318.0	315.6	309.6
75°	246.0	246.6	238.8	237.6	231.6
77.5°	175.2	177.6	171.6	171.6	165.6
80°	117.6	121.8	115.2	113.4	109.2
82.5°	73.8	74.4	72.6	70.8	69.0
85°	38.4	39.6	38.4	37.2	37.2
87.5°	14.4	15.0	14.4	13.8	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)