

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: P413113

Luminaire Tested: **22PD-60-PC3-L927**

Issue Date: 9/15/2020



**Test Information**

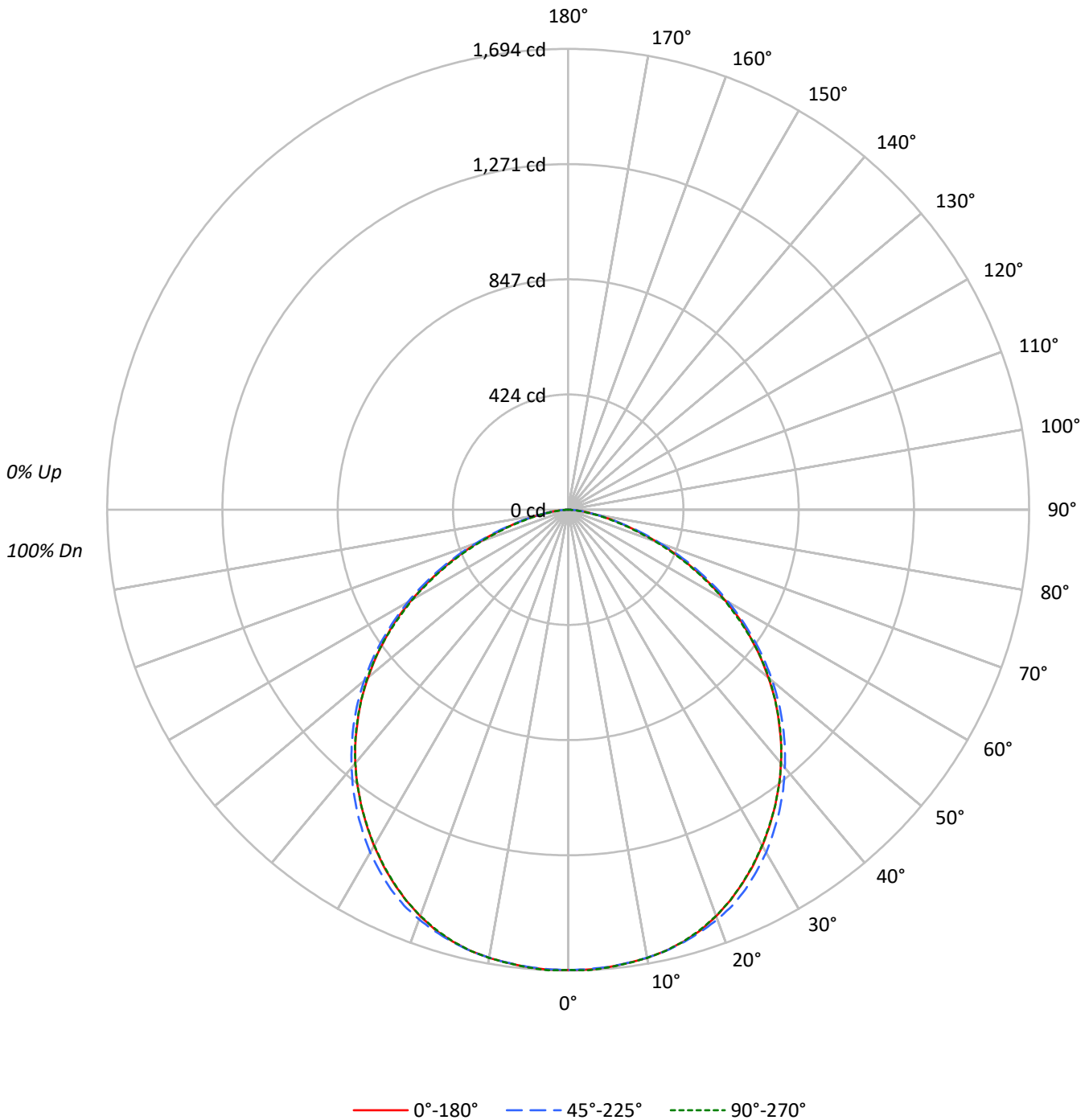
Test Method: LM-79-08  
Report Number: P413113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PC3-L927  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4546.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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 (A<sub>in</sub>): 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

TEST NUMBER: P413113  
CATALOG NUMBER: 22PD-60-PC3-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P413113

CATALOG NUMBER: 22PD-60-PC3-L927

**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°	4554	4554	4554
5°	4559	4556	4562
10°	4571	4570	4571
15°	4576	4582	4575
20°	4553	4590	4550
25°	4500	4574	4497
30°	4433	4520	4427
35°	4357	4443	4357
40°	4275	4351	4275
45°	4162	4244	4168
50°	4020	4099	4036
55°	3833	3909	3833
60°	3575	3665	3552
65°	3208	3321	3167
70°	2744	2842	2663
75°	2177	2239	2065
80°	1559	1618	1485
85°	1031	1062	963



TEST NUMBER: P413113

CATALOG NUMBER: 22PD-60-PC3-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	3.5
10°-20°	463.8	10.2
20°-30°	703.6	15.5
30°-40°	840.3	18.5
40°-50°	854.5	18.8
50°-60°	739.2	16.3
60°-70°	508.6	11.2
70°-80°	230.8	5.1
80°-90°	44.7	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°	1327.9	29.2
0°-40°	2168.2	47.7
0°-60°	3761.9	82.8
0°-90°	4546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4546.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1688	1686	1687	1687	1689	161
15°	1643	1644	1645	1642	1642	463
25°	1516	1529	1540	1526	1515	698
35°	1326	1350	1353	1348	1326	830
45°	1094	1114	1115	1114	1095	843
55°	817	831	833	832	817	730
65°	504	518	522	517	497	500
75°	209	217	215	213	199	225
85°	33	36	34	33	31	44
90°	0	0	0	0	0	



TEST NUMBER: P413113

CATALOG NUMBER: 22PD-60-PC3-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1692.2	1692.2	1692.2	1692.2	1692.2
2.5°	1692.2	1690.0	1690.6	1691.1	1694.3
5°	1687.9	1686.3	1686.8	1686.8	1689.0
7.5°	1680.9	1680.4	1680.4	1679.8	1681.4
10°	1672.8	1671.7	1672.3	1671.7	1672.8
12.5°	1660.4	1660.4	1661.0	1659.4	1660.4
15°	1642.7	1643.8	1644.8	1642.1	1642.1
17.5°	1620.1	1622.8	1625.5	1620.6	1617.9
20°	1589.9	1596.4	1602.8	1595.3	1588.9
22.5°	1554.9	1565.7	1575.4	1563.6	1554.9
25°	1515.7	1529.1	1540.4	1526.4	1514.6
27.5°	1473.1	1488.2	1499.0	1487.1	1471.0
30°	1426.8	1445.1	1454.8	1443.5	1424.7
32.5°	1377.3	1398.9	1404.8	1397.8	1376.3
35°	1326.2	1349.9	1352.6	1347.7	1326.2
37.5°	1272.9	1295.5	1297.7	1295.0	1272.9
40°	1216.9	1237.9	1238.5	1238.5	1216.9
42.5°	1157.2	1177.6	1177.6	1177.1	1158.8
45°	1093.7	1113.6	1115.2	1114.1	1095.3
47.5°	1030.7	1045.8	1048.5	1046.3	1029.6
50°	960.2	975.8	979.0	976.9	964.0
52.5°	890.2	904.8	908.0	906.4	891.8
55°	817.0	831.0	833.2	831.6	817.0
57.5°	746.5	755.7	757.8	754.6	736.3
60°	664.2	677.1	680.9	677.1	659.9
62.5°	584.5	598.5	601.7	596.4	578.1
65°	503.8	517.8	521.5	517.2	497.3
67.5°	427.4	437.6	440.8	436.0	417.7
70°	348.8	361.7	361.2	354.7	338.5
72.5°	271.3	289.0	285.8	282.0	264.3
75°	209.4	217.4	215.3	213.1	198.6
77.5°	149.6	159.3	153.9	154.5	142.1
80°	100.6	109.8	104.4	102.3	95.8
82.5°	64.0	67.8	66.7	65.7	59.7
85°	33.4	35.5	34.4	33.4	31.2
87.5°	12.9	14.0	12.9	12.9	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)