

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: P413230

Luminaire Tested: **24PD-60-PC3-L927**

Issue Date: 9/15/2020



**Test Information**

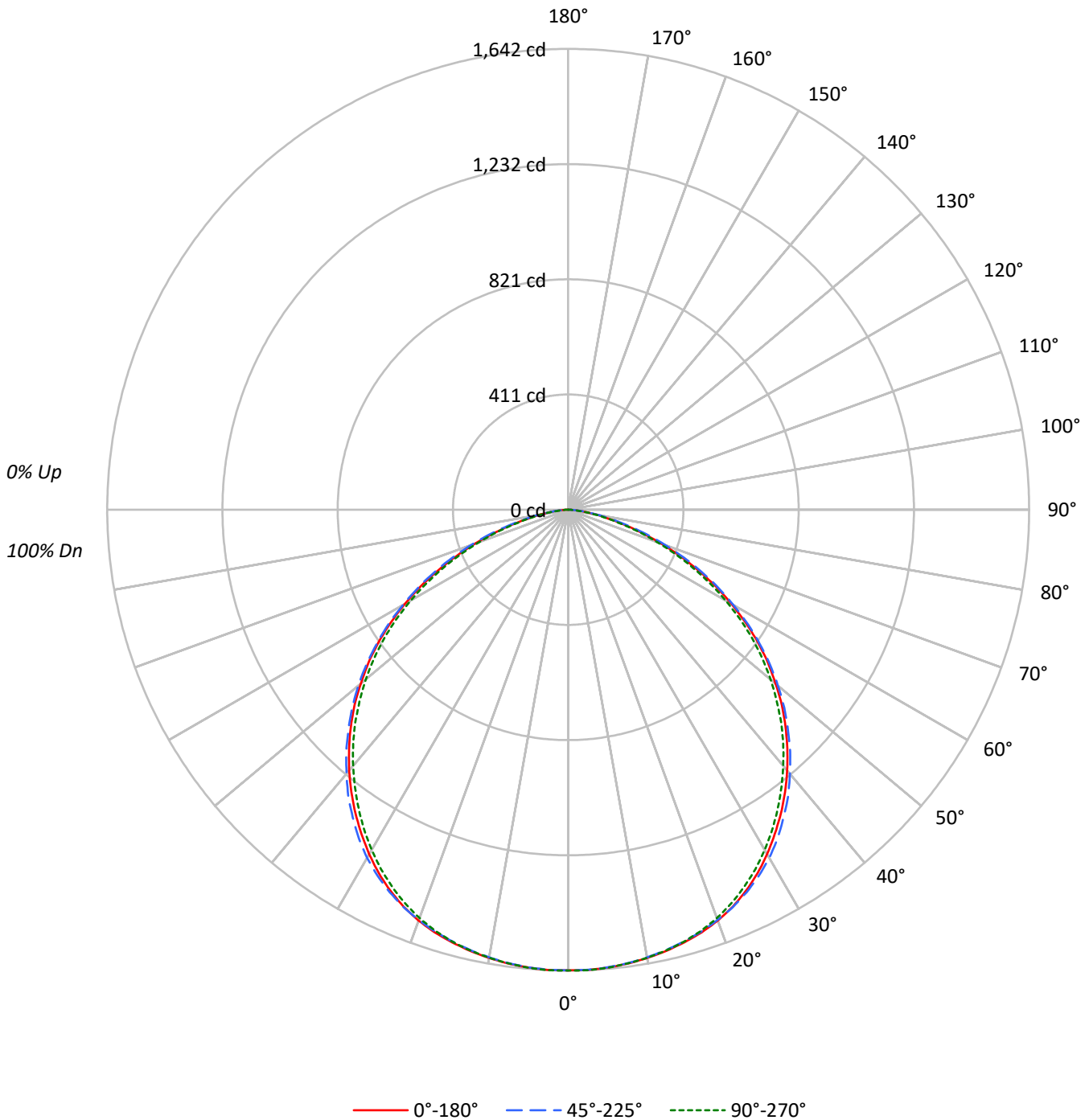
Test Method: LM-79-08  
Report Number: P413230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24PD-60-PC3-L927  
Description: 6000 LUMEN 2X4 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: 4487.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
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

TEST NUMBER: P413230  
CATALOG NUMBER: 24PD-60-PC3-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P413230

CATALOG NUMBER: 24PD-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	109	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	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

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

	0°	45°	90°
0°	2209	2209	2209
5°	2212	2210	2212
10°	2216	2213	2215
15°	2223	2219	2220
20°	2231	2227	2218
25°	2224	2233	2201
30°	2202	2225	2175
35°	2170	2197	2137
40°	2132	2157	2093
45°	2084	2106	2040
50°	2019	2042	1969
55°	1936	1953	1879
60°	1807	1828	1745
65°	1629	1669	1565
70°	1383	1444	1327
75°	1071	1149	1021
80°	797	831	722
85°	491	526	457



TEST NUMBER: P413230

CATALOG NUMBER: 24PD-60-PC3-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.7	3.5
10°-20°	450.2	10.0
20°-30°	689.4	15.4
30°-40°	829.4	18.5
40°-50°	845.7	18.8
50°-60°	733.2	16.3
60°-70°	508.3	11.3
70°-80°	232.2	5.2
80°-90°	42.9	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°	1295.3	28.9
0°-40°	2124.7	47.4
0°-60°	3703.6	82.5
0°-90°	4487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4487.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1638	1638	1637	1636	1638	156
15°	1596	1596	1593	1592	1593	451
25°	1498	1502	1504	1491	1483	690
35°	1321	1335	1338	1320	1301	826
45°	1095	1109	1107	1092	1072	844
55°	825	830	833	812	801	735
65°	512	522	524	507	492	506
75°	206	217	221	214	196	225
85°	32	33	34	32	30	43
90°	0	0	0	0	0	



TEST NUMBER: P413230

CATALOG NUMBER: 24PD-60-PC3-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1641.6	1641.6	1640.7	1639.8	1642.5
5°	1637.5	1637.5	1636.6	1635.7	1637.9
7.5°	1631.1	1630.7	1629.8	1628.8	1630.2
10°	1622.0	1621.6	1619.7	1619.3	1621.1
12.5°	1610.7	1610.2	1607.5	1607.5	1608.8
15°	1596.1	1595.6	1592.9	1591.6	1593.4
17.5°	1579.7	1579.3	1576.1	1572.5	1573.4
20°	1557.9	1557.9	1555.6	1550.2	1548.8
22.5°	1531.5	1532.9	1532.9	1522.4	1518.3
25°	1498.3	1502.4	1503.8	1490.6	1482.9
27.5°	1460.6	1467.0	1470.6	1453.8	1443.8
30°	1417.4	1427.9	1432.4	1414.2	1399.7
32.5°	1370.1	1383.3	1388.7	1371.0	1352.4
35°	1321.0	1335.1	1337.8	1320.5	1301.0
37.5°	1268.7	1283.2	1286.9	1271.4	1247.3
40°	1213.7	1228.2	1228.2	1215.5	1191.8
42.5°	1155.5	1170.9	1170.5	1155.0	1133.6
45°	1095.0	1108.6	1106.8	1091.8	1072.3
47.5°	1032.7	1041.3	1043.6	1025.9	1007.2
50°	964.5	973.1	975.4	955.4	940.8
52.5°	897.2	902.6	905.8	882.6	872.2
55°	825.3	830.3	832.6	812.1	800.8
57.5°	749.4	755.8	758.5	738.0	725.3
60°	671.6	678.5	679.4	660.3	648.4
62.5°	592.5	601.6	603.4	584.3	570.2
65°	511.6	522.5	524.3	506.6	491.6
67.5°	430.6	445.2	445.6	431.1	413.3
70°	351.5	367.4	367.0	354.7	337.4
72.5°	276.0	290.6	293.8	282.4	265.6
75°	206.0	217.4	221.0	213.7	196.4
77.5°	146.4	156.9	160.1	153.2	140.5
80°	102.8	103.2	107.3	101.9	93.2
82.5°	63.7	62.8	64.1	61.8	56.8
85°	31.8	32.7	34.1	32.3	29.6
87.5°	10.9	11.4	12.3	12.3	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)