

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: P413122

Luminaire Tested: **22PD-65-PC3-L927**

Issue Date: 9/15/2020



**Test Information**

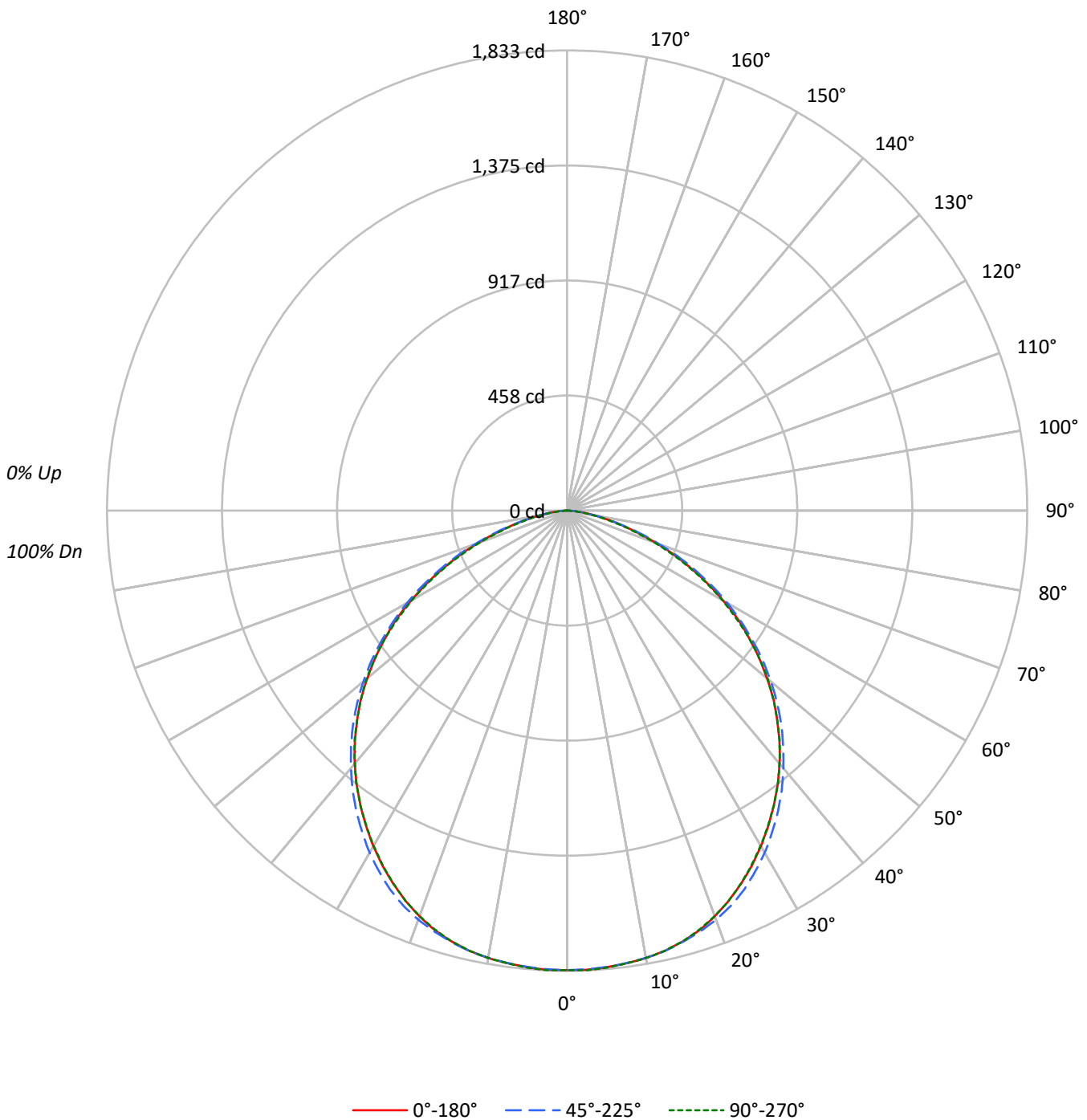
Test Method: LM-79-08  
Report Number: P413122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PC3-L927  
Description: 6500 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: 4918.0 lumens  
Efficiency: N/A  
Efficacy: 84.9 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): 57.9  
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°	4926	4926	4926
5°	4932	4929	4936
10°	4945	4943	4945
15°	4951	4957	4949
20°	4926	4966	4922
25°	4869	4948	4865
30°	4796	4891	4789
35°	4713	4807	4713
40°	4625	4706	4625
45°	4503	4591	4509
50°	4349	4434	4366
55°	4147	4229	4147
60°	3867	3964	3842
65°	3470	3592	3426
70°	2969	3074	2882
75°	2355	2421	2234
80°	1688	1751	1605
85°	1115	1152	1044



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.7	3.5
10°-20°	501.7	10.2
20°-30°	761.2	15.5
30°-40°	909.0	18.5
40°-50°	924.5	18.8
50°-60°	799.6	16.3
60°-70°	550.2	11.2
70°-80°	249.7	5.1
80°-90°	48.3	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°	1436.6	29.2
0°-40°	2345.6	47.7
0°-60°	4069.7	82.8
0°-90°	4918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1826	1824	1825	1825	1827	174
15°	1777	1778	1779	1776	1776	501
25°	1640	1654	1666	1651	1638	755
35°	1435	1460	1463	1458	1435	897
45°	1183	1205	1206	1205	1185	912
55°	884	899	901	900	884	790
65°	545	560	564	560	538	541
75°	226	235	233	231	215	244
85°	36	38	37	36	34	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1830.7	1830.7	1830.7	1830.7	1830.7
2.5°	1830.7	1828.3	1828.9	1829.5	1833.0
5°	1826.0	1824.3	1824.8	1824.8	1827.2
7.5°	1818.4	1817.9	1817.9	1817.3	1819.0
10°	1809.7	1808.5	1809.1	1808.5	1809.7
12.5°	1796.3	1796.3	1796.9	1795.2	1796.3
15°	1777.1	1778.3	1779.4	1776.5	1776.5
17.5°	1752.6	1755.6	1758.5	1753.2	1750.3
20°	1720.0	1727.0	1734.0	1725.9	1718.9
22.5°	1682.2	1693.8	1704.3	1691.5	1682.2
25°	1639.7	1654.2	1666.5	1651.3	1638.5
27.5°	1593.7	1610.0	1621.6	1608.8	1591.4
30°	1543.6	1563.4	1573.9	1561.7	1541.3
32.5°	1490.0	1513.3	1519.7	1512.2	1488.9
35°	1434.7	1460.3	1463.3	1458.0	1434.7
37.5°	1377.1	1401.5	1403.9	1401.0	1377.1
40°	1316.5	1339.2	1339.8	1339.8	1316.5
42.5°	1251.9	1274.0	1274.0	1273.4	1253.6
45°	1183.2	1204.7	1206.5	1205.3	1184.9
47.5°	1115.1	1131.4	1134.3	1131.9	1113.9
50°	1038.8	1055.7	1059.2	1056.8	1042.9
52.5°	963.1	978.8	982.3	980.5	964.8
55°	883.9	899.0	901.4	899.6	883.9
57.5°	807.6	817.5	819.8	816.3	796.6
60°	718.5	732.5	736.6	732.5	713.9
62.5°	632.3	647.5	651.0	645.2	625.4
65°	545.0	560.1	564.2	559.6	538.0
67.5°	462.3	473.4	476.9	471.6	451.8
70°	377.3	391.3	390.7	383.7	366.3
72.5°	293.5	312.7	309.2	305.1	285.9
75°	226.5	235.2	232.9	230.6	214.9
77.5°	161.9	172.4	166.5	167.1	153.7
80°	108.9	118.8	113.0	110.6	103.6
82.5°	69.3	73.4	72.2	71.0	64.6
85°	36.1	38.4	37.3	36.1	33.8
87.5°	14.0	15.1	14.0	14.0	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)