

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: P413124

Luminaire Tested: **22PD-65-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

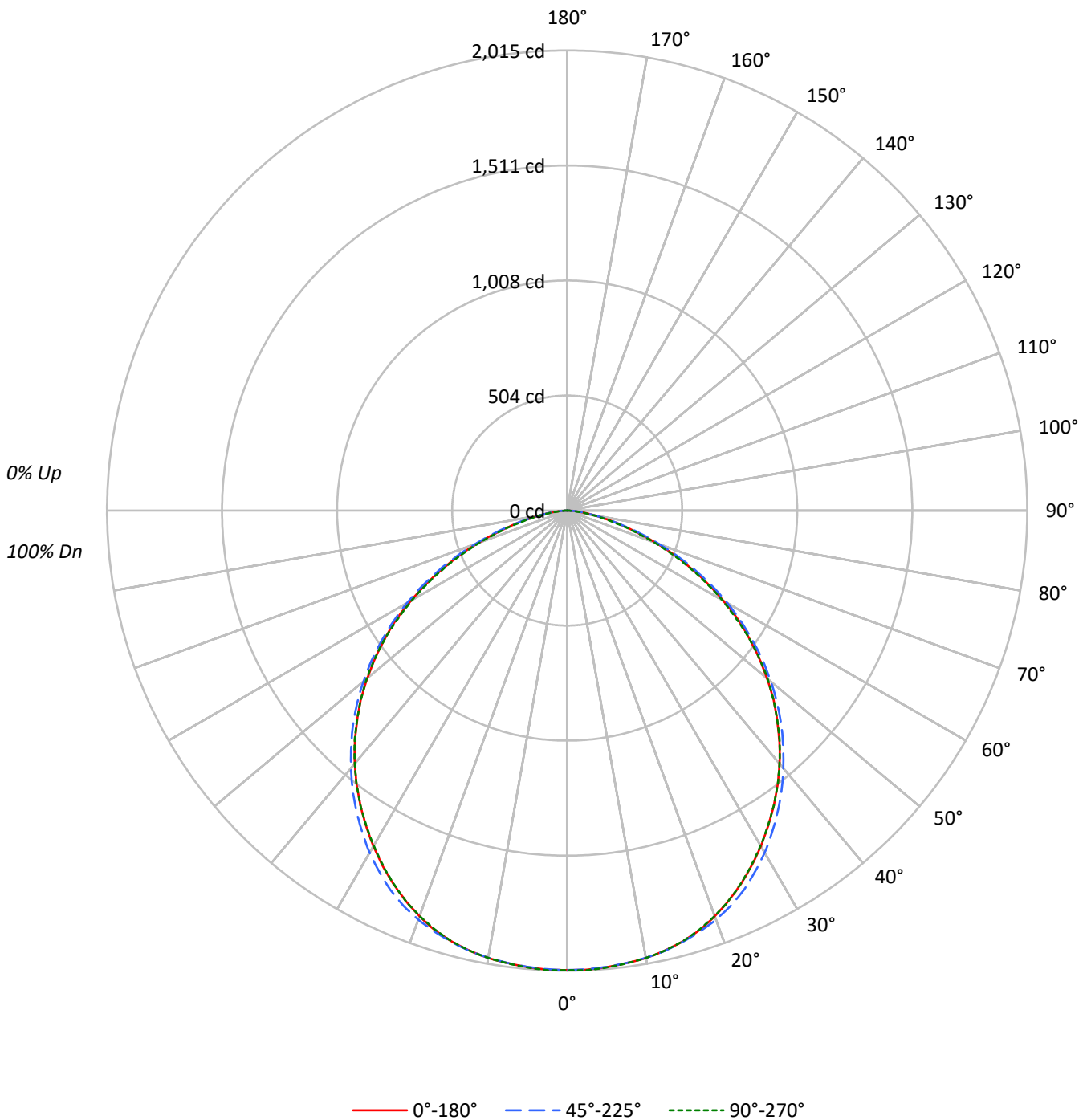
Test Method: LM-79-08  
Report Number: P413124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PC3-L935  
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5406.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 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°	5415	5415	5415
5°	5422	5418	5425
10°	5436	5434	5436
15°	5442	5449	5440
20°	5414	5458	5411
25°	5352	5439	5348
30°	5272	5376	5264
35°	5181	5284	5181
40°	5084	5174	5084
45°	4950	5047	4957
50°	4780	4874	4799
55°	4558	4648	4558
60°	4251	4358	4223
65°	3815	3949	3766
70°	3264	3379	3168
75°	2589	2662	2456
80°	1855	1925	1765
85°	1226	1266	1145



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.9	3.5
10°-20°	551.5	10.2
20°-30°	836.7	15.5
30°-40°	999.2	18.5
40°-50°	1016.2	18.8
50°-60°	879.0	16.3
60°-70°	604.8	11.2
70°-80°	274.5	5.1
80°-90°	53.1	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°	1579.1	29.2
0°-40°	2578.3	47.7
0°-60°	4473.5	82.8
0°-90°	5406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5406.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2012	2012	2012	2012	2012	
5°	2007	2005	2006	2006	2008	191
15°	1953	1955	1956	1953	1953	551
25°	1802	1818	1832	1815	1801	830
35°	1577	1605	1608	1603	1577	986
45°	1301	1324	1326	1325	1302	1003
55°	972	988	991	989	972	868
65°	599	616	620	615	591	594
75°	249	259	256	254	236	268
85°	40	42	41	40	37	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2012.3	2012.3	2012.3	2012.3	2012.3
2.5°	2012.3	2009.8	2010.4	2011.0	2014.9
5°	2007.2	2005.3	2005.9	2005.9	2008.5
7.5°	1998.9	1998.2	1998.2	1997.6	1999.5
10°	1989.3	1988.0	1988.6	1988.0	1989.3
12.5°	1974.6	1974.6	1975.2	1973.3	1974.6
15°	1953.4	1954.7	1956.0	1952.8	1952.8
17.5°	1926.6	1929.8	1933.0	1927.2	1924.0
20°	1890.7	1898.4	1906.1	1897.1	1889.4
22.5°	1849.1	1861.9	1873.4	1859.3	1849.1
25°	1802.4	1818.4	1831.8	1815.2	1801.1
27.5°	1751.8	1769.7	1782.5	1768.5	1749.3
30°	1696.8	1718.5	1730.1	1716.6	1694.2
32.5°	1637.9	1663.5	1670.5	1662.2	1636.6
35°	1577.1	1605.2	1608.4	1602.7	1577.1
37.5°	1513.7	1540.6	1543.2	1540.0	1513.7
40°	1447.2	1472.1	1472.8	1472.8	1447.2
42.5°	1376.1	1400.4	1400.4	1399.8	1378.0
45°	1300.6	1324.3	1326.2	1324.9	1302.5
47.5°	1225.7	1243.6	1246.8	1244.3	1224.4
50°	1141.9	1160.4	1164.3	1161.7	1146.3
52.5°	1058.6	1075.9	1079.8	1077.8	1060.6
55°	971.6	988.2	990.8	988.9	971.6
57.5°	887.8	898.6	901.2	897.4	875.6
60°	789.8	805.2	809.7	805.2	784.7
62.5°	695.1	711.7	715.6	709.2	687.4
65°	599.1	615.7	620.2	615.1	591.4
67.5°	508.2	520.4	524.2	518.4	496.7
70°	414.8	430.1	429.5	421.8	402.6
72.5°	322.6	343.7	339.9	335.4	314.3
75°	249.0	258.6	256.0	253.5	236.2
77.5°	177.9	189.5	183.1	183.7	169.0
80°	119.7	130.6	124.2	121.6	113.9
82.5°	76.2	80.6	79.4	78.1	71.0
85°	39.7	42.2	41.0	39.7	37.1
87.5°	15.4	16.6	15.4	15.4	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)