

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: P412799

Luminaire Tested: **22PD-75-PP3-L930**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412799  
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-75-PP3-L930  
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

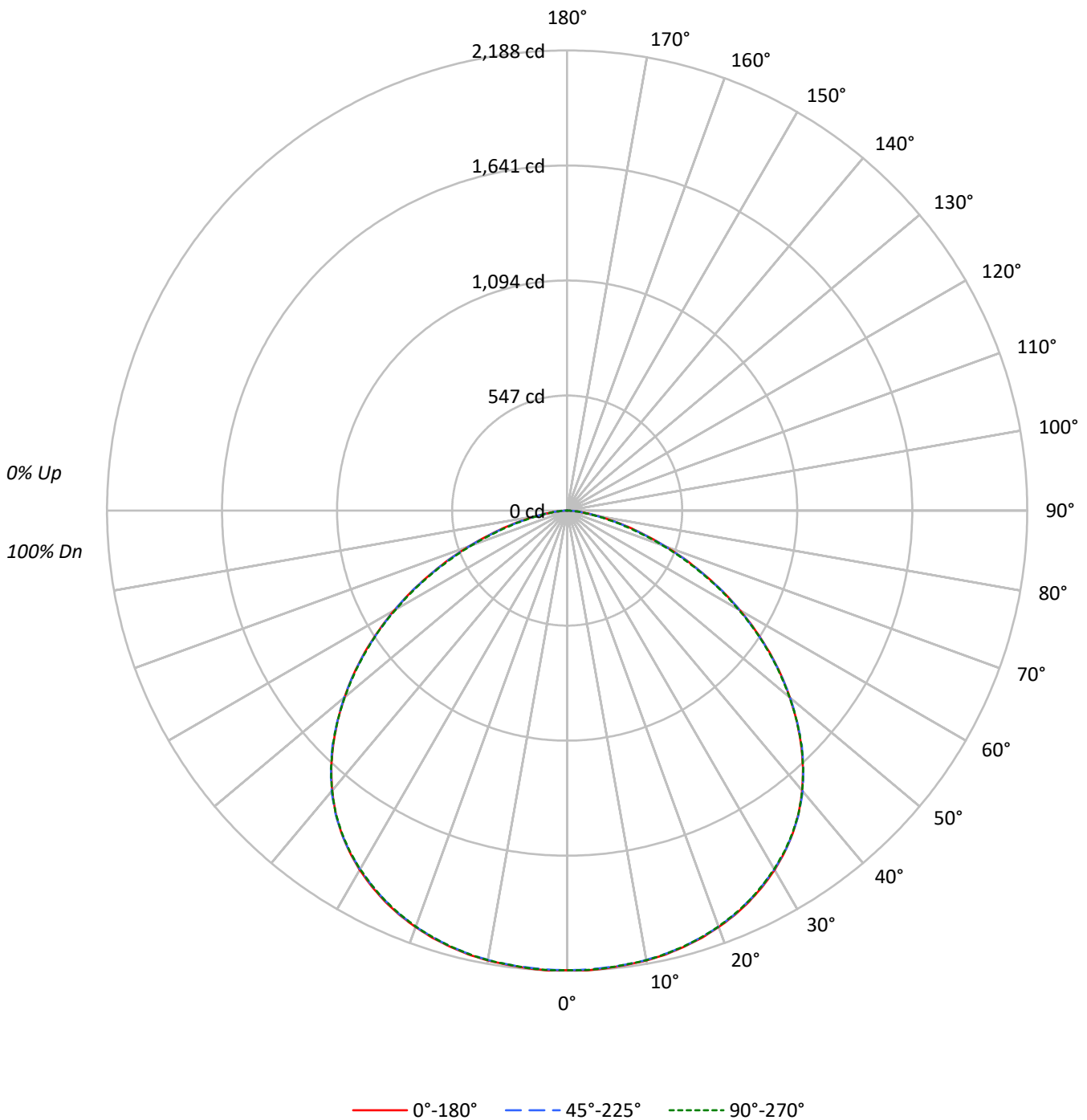
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6270.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 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): 67.5  
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

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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°	5881	5881	5881
5°	5899	5891	5895
10°	5936	5928	5932
15°	5982	5976	5976
20°	6035	6028	6026
25°	6088	6077	6077
30°	6131	6119	6117
35°	6148	6148	6141
40°	6108	6121	6108
45°	5987	6004	5995
50°	5786	5795	5779
55°	5508	5494	5484
60°	5113	5101	5062
65°	4567	4562	4511
70°	3904	3881	3795
75°	3111	3019	2929
80°	2216	2171	2058
85°	1442	1442	1396



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.8	3.3
10°-20°	606.2	9.7
20°-30°	943.9	15.1
30°-40°	1168.3	18.6
40°-50°	1211.5	19.3
50°-60°	1044.2	16.7
60°-70°	709.9	11.3
70°-80°	317.7	5.1
80°-90°	60.5	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°	1758.0	28.0
0°-40°	2926.3	46.7
0°-60°	5181.9	82.6
0°-90°	6270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6270.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2185	2185	2185	2185	2185	
5°	2184	2180	2181	2180	2182	208
15°	2147	2144	2145	2144	2145	607
25°	2050	2048	2047	2046	2047	945
35°	1872	1869	1872	1869	1869	1169
45°	1573	1572	1578	1574	1575	1211
55°	1174	1170	1171	1169	1169	1047
65°	717	723	716	714	708	712
75°	299	300	290	289	282	322
85°	47	48	47	45	45	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2185.4	2185.4	2185.4	2185.4	2185.4
2.5°	2188.3	2183.9	2183.9	2184.6	2186.8
5°	2183.9	2179.5	2181.0	2180.3	2182.5
7.5°	2178.1	2174.4	2176.6	2175.2	2176.6
10°	2172.2	2168.6	2169.3	2168.6	2170.8
12.5°	2162.0	2157.6	2159.1	2159.1	2159.8
15°	2147.4	2143.8	2145.2	2143.8	2145.2
17.5°	2129.9	2125.5	2126.3	2125.5	2127.0
20°	2107.3	2104.4	2105.1	2103.7	2104.4
22.5°	2081.8	2078.1	2078.8	2077.4	2077.4
25°	2050.4	2047.5	2046.7	2046.0	2046.7
27.5°	2013.9	2010.3	2010.3	2009.5	2009.5
30°	1973.0	1969.4	1969.4	1968.7	1968.7
32.5°	1924.9	1923.4	1924.2	1922.7	1922.0
35°	1871.6	1869.4	1871.6	1868.7	1869.4
37.5°	1809.6	1806.7	1811.1	1808.1	1808.9
40°	1738.8	1737.4	1742.5	1740.3	1738.8
42.5°	1660.0	1660.0	1662.2	1662.9	1661.5
45°	1573.2	1571.7	1577.6	1573.9	1575.4
47.5°	1479.8	1477.6	1482.0	1481.2	1480.5
50°	1382.0	1380.5	1384.2	1380.5	1380.5
52.5°	1280.6	1279.8	1280.6	1276.9	1276.2
55°	1174.0	1169.7	1171.1	1168.9	1168.9
57.5°	1063.1	1058.0	1058.8	1058.0	1058.8
60°	950.0	948.6	947.8	944.2	940.6
62.5°	834.0	835.5	834.7	829.6	826.0
65°	717.3	723.1	716.5	714.4	708.5
67.5°	607.1	609.3	604.9	599.8	593.2
70°	496.2	500.6	493.3	488.2	482.3
72.5°	390.4	393.3	386.7	383.8	376.5
75°	299.2	299.9	290.4	289.0	281.7
77.5°	213.1	216.0	208.7	208.7	201.4
80°	143.0	148.1	140.1	137.9	132.8
82.5°	89.7	90.5	88.3	86.1	83.9
85°	46.7	48.2	46.7	45.2	45.2
87.5°	17.5	18.2	17.5	16.8	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)