

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: P413070

Luminaire Tested: **22PD-35-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

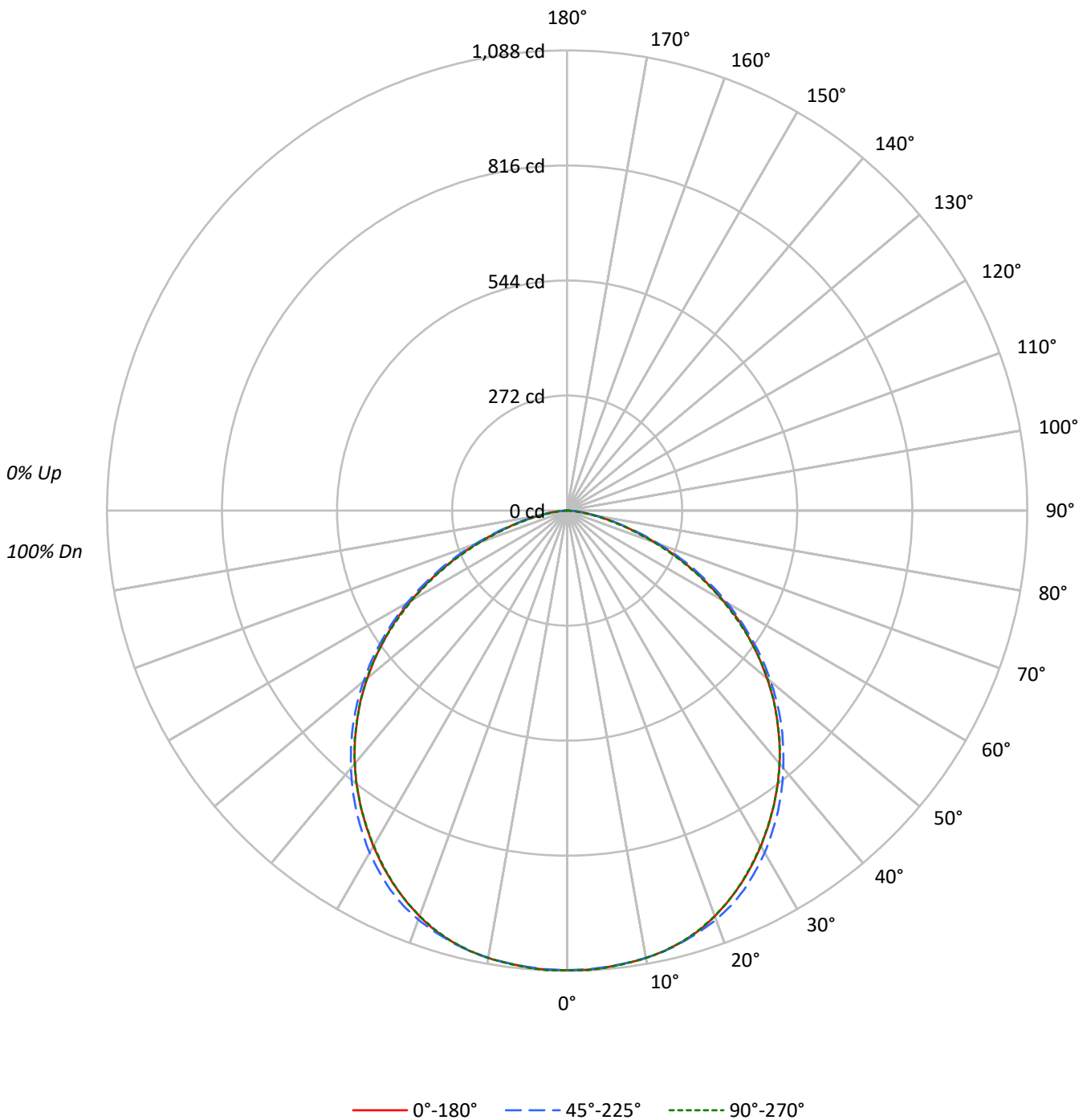
Test Method: LM-79-08  
Report Number: P413070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PC3-L935  
Description: 3500 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: 2919.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 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): 29.2  
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	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°	2924	2924	2924
5°	2928	2926	2930
10°	2935	2934	2935
15°	2939	2942	2937
20°	2924	2947	2922
25°	2890	2937	2888
30°	2847	2903	2843
35°	2798	2853	2798
40°	2745	2793	2745
45°	2673	2725	2676
50°	2581	2632	2591
55°	2461	2510	2461
60°	2295	2353	2280
65°	2060	2132	2033
70°	1762	1825	1710
75°	1397	1437	1326
80°	1001	1038	953
85°	661	682	618



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	3.5
10°-20°	297.8	10.2
20°-30°	451.8	15.5
30°-40°	539.5	18.5
40°-50°	548.7	18.8
50°-60°	474.6	16.3
60°-70°	326.6	11.2
70°-80°	148.2	5.1
80°-90°	28.7	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°	852.7	29.2
0°-40°	1392.2	47.7
0°-60°	2415.5	82.8
0°-90°	2919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1084	1083	1083	1083	1084	103
15°	1055	1056	1056	1054	1054	298
25°	973	982	989	980	972	448
35°	852	867	868	865	852	533
45°	702	715	716	715	703	542
55°	525	534	535	534	525	469
65°	324	332	335	332	319	321
75°	134	140	138	137	128	145
85°	21	23	22	21	20	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1086.6	1086.6	1086.6	1086.6	1086.6
2.5°	1086.6	1085.2	1085.5	1085.9	1087.9
5°	1083.8	1082.8	1083.1	1083.1	1084.5
7.5°	1079.3	1079.0	1079.0	1078.6	1079.7
10°	1074.1	1073.4	1073.8	1073.4	1074.1
12.5°	1066.2	1066.2	1066.5	1065.5	1066.2
15°	1054.8	1055.5	1056.2	1054.4	1054.4
17.5°	1040.3	1042.0	1043.7	1040.6	1038.9
20°	1020.9	1025.0	1029.2	1024.4	1020.2
22.5°	998.4	1005.3	1011.6	1004.0	998.4
25°	973.2	981.8	989.1	980.1	972.5
27.5°	945.9	955.6	962.5	954.9	944.5
30°	916.2	927.9	934.2	926.9	914.8
32.5°	884.4	898.2	902.0	897.5	883.7
35°	851.6	866.8	868.5	865.4	851.6
37.5°	817.3	831.9	833.2	831.5	817.3
40°	781.4	794.9	795.2	795.2	781.4
42.5°	743.0	756.2	756.2	755.8	744.1
45°	702.3	715.0	716.1	715.4	703.3
47.5°	661.8	671.5	673.2	671.8	661.1
50°	616.5	626.6	628.6	627.3	619.0
52.5°	571.6	581.0	583.0	582.0	572.7
55°	524.6	533.6	535.0	534.0	524.6
57.5°	479.3	485.2	486.6	484.5	472.8
60°	426.5	434.8	437.2	434.8	423.7
62.5°	375.3	384.3	386.4	382.9	371.2
65°	323.5	332.5	334.9	332.1	319.3
67.5°	274.4	281.0	283.0	279.9	268.2
70°	223.9	232.2	231.9	227.7	217.4
72.5°	174.2	185.6	183.5	181.1	169.7
75°	134.4	139.6	138.2	136.9	127.5
77.5°	96.1	102.3	98.8	99.2	91.2
80°	64.6	70.5	67.0	65.7	61.5
82.5°	41.1	43.5	42.9	42.2	38.4
85°	21.4	22.8	22.1	21.4	20.0
87.5°	8.3	9.0	8.3	8.3	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)