

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: P413068

Luminaire Tested: **22PD-35-PC3-L927**

Issue Date: 9/15/2020



**Test Information**

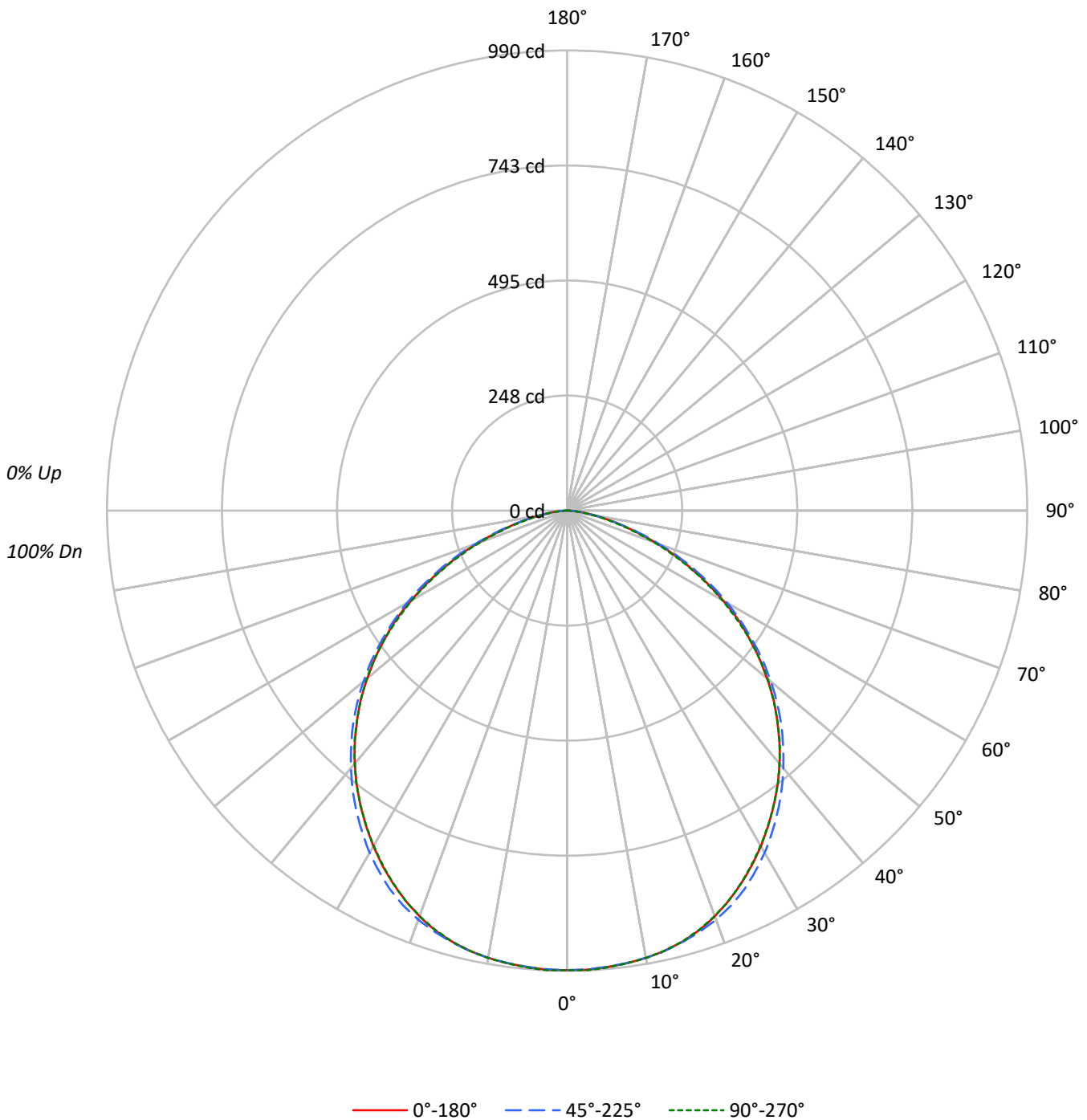
Test Method: LM-79-08  
Report Number: P413068  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-35-PC3-L927  
Description: 3500 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: 2656.0 lumens  
Efficiency: N/A  
Efficacy: 91.0 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 (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°	2661	2661	2661
5°	2664	2662	2666
10°	2670	2670	2670
15°	2674	2677	2673
20°	2660	2682	2658
25°	2629	2672	2627
30°	2590	2641	2586
35°	2545	2596	2545
40°	2498	2542	2498
45°	2432	2480	2435
50°	2349	2395	2358
55°	2240	2284	2240
60°	2088	2141	2075
65°	1874	1940	1850
70°	1603	1660	1556
75°	1272	1308	1206
80°	911	945	868
85°	602	621	562



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	3.5
10°-20°	270.9	10.2
20°-30°	411.1	15.5
30°-40°	490.9	18.5
40°-50°	499.3	18.8
50°-60°	431.9	16.3
60°-70°	297.2	11.2
70°-80°	134.9	5.1
80°-90°	26.1	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°	775.8	29.2
0°-40°	1266.8	47.7
0°-60°	2197.9	82.8
0°-90°	2656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	986	985	986	986	987	94
15°	960	960	961	959	959	271
25°	886	893	900	892	885	408
35°	775	789	790	787	775	485
45°	639	651	652	651	640	493
55°	477	486	487	486	477	427
65°	294	302	305	302	291	292
75°	122	127	126	124	116	132
85°	20	21	20	20	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	988.7	988.7	988.7	988.7	988.7
2.5°	988.7	987.4	987.7	988.0	989.9
5°	986.1	985.2	985.5	985.5	986.8
7.5°	982.1	981.7	981.7	981.4	982.4
10°	977.3	976.7	977.0	976.7	977.3
12.5°	970.1	970.1	970.4	969.5	970.1
15°	959.7	960.4	961.0	959.4	959.4
17.5°	946.5	948.1	949.7	946.8	945.3
20°	928.9	932.7	936.5	932.1	928.3
22.5°	908.5	914.8	920.4	913.5	908.5
25°	885.5	893.4	900.0	891.8	884.9
27.5°	860.7	869.5	875.8	868.9	859.4
30°	833.6	844.3	850.0	843.4	832.4
32.5°	804.7	817.3	820.7	816.7	804.1
35°	774.8	788.7	790.2	787.4	774.8
37.5°	743.7	756.9	758.2	756.6	743.7
40°	711.0	723.3	723.6	723.6	711.0
42.5°	676.1	688.0	688.0	687.7	677.0
45°	639.0	650.6	651.6	650.9	639.9
47.5°	602.2	611.0	612.6	611.3	601.6
50°	561.0	570.1	572.0	570.7	563.2
52.5°	520.1	528.6	530.5	529.6	521.1
55°	477.4	485.5	486.8	485.8	477.4
57.5°	436.2	441.5	442.8	440.9	430.2
60°	388.0	395.6	397.8	395.6	385.5
62.5°	341.5	349.7	351.6	348.4	337.7
65°	294.3	302.5	304.7	302.2	290.6
67.5°	249.7	255.7	257.5	254.7	244.0
70°	203.8	211.3	211.0	207.2	197.8
72.5°	158.5	168.9	167.0	164.8	154.4
75°	122.3	127.0	125.8	124.5	116.0
77.5°	87.4	93.1	89.9	90.3	83.0
80°	58.8	64.2	61.0	59.7	56.0
82.5°	37.4	39.6	39.0	38.4	34.9
85°	19.5	20.8	20.1	19.5	18.2
87.5°	7.5	8.2	7.5	7.5	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)