

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: P412720

Luminaire Tested: **22PD-30-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

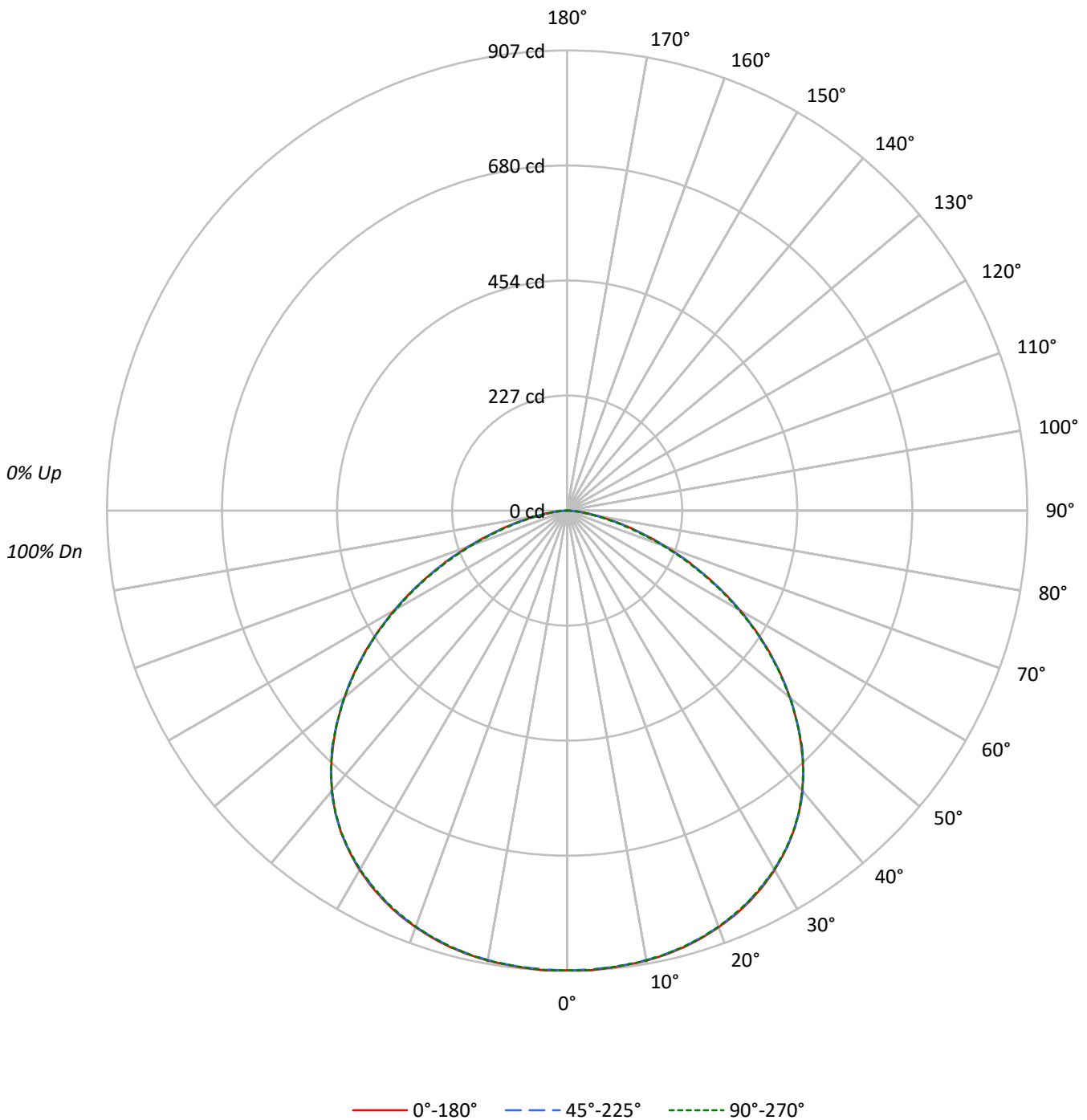
Test Method: LM-79-08  
Report Number: P412720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PP3-L940  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2600.0 lumens  
Efficiency: N/A  
Efficacy: 104.4 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): 24.9  
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°	2439	2439	2439
5°	2446	2443	2445
10°	2461	2458	2460
15°	2481	2478	2478
20°	2502	2500	2499
25°	2524	2520	2520
30°	2542	2538	2537
35°	2550	2550	2547
40°	2533	2538	2533
45°	2483	2490	2486
50°	2399	2403	2397
55°	2284	2278	2274
60°	2120	2115	2099
65°	1894	1892	1871
70°	1619	1609	1574
75°	1290	1252	1214
80°	919	900	854
85°	599	599	580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	3.3
10°-20°	251.4	9.7
20°-30°	391.4	15.1
30°-40°	484.5	18.6
40°-50°	502.4	19.3
50°-60°	433.0	16.7
60°-70°	294.4	11.3
70°-80°	131.7	5.1
80°-90°	25.1	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°	729.0	28.0
0°-40°	1213.5	46.7
0°-60°	2148.8	82.6
0°-90°	2600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	906	904	904	904	905	86
15°	890	889	890	889	890	252
25°	850	849	849	848	849	392
35°	776	775	776	775	775	485
45°	652	652	654	653	653	502
55°	487	485	486	485	485	434
65°	297	300	297	296	294	295
75°	124	124	120	120	117	134
85°	19	20	19	19	19	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	906.2	906.2	906.2	906.2	906.2
2.5°	907.4	905.6	905.6	905.9	906.8
5°	905.6	903.8	904.4	904.1	905.0
7.5°	903.2	901.7	902.6	902.0	902.6
10°	900.8	899.3	899.6	899.3	900.2
12.5°	896.5	894.7	895.3	895.3	895.6
15°	890.5	889.0	889.6	889.0	889.6
17.5°	883.2	881.4	881.7	881.4	882.0
20°	873.8	872.6	872.9	872.3	872.6
22.5°	863.3	861.7	862.0	861.4	861.4
25°	850.2	849.0	848.7	848.4	848.7
27.5°	835.1	833.6	833.6	833.3	833.3
30°	818.2	816.7	816.7	816.4	816.4
32.5°	798.2	797.6	797.9	797.3	797.0
35°	776.1	775.2	776.1	774.9	775.2
37.5°	750.4	749.2	751.0	749.8	750.1
40°	721.0	720.4	722.6	721.6	721.0
42.5°	688.4	688.4	689.3	689.6	689.0
45°	652.4	651.7	654.2	652.7	653.3
47.5°	613.6	612.7	614.5	614.2	613.9
50°	573.1	572.5	574.0	572.5	572.5
52.5°	531.0	530.7	531.0	529.5	529.2
55°	486.8	485.0	485.6	484.7	484.7
57.5°	440.9	438.7	439.0	438.7	439.0
60°	394.0	393.3	393.0	391.5	390.0
62.5°	345.8	346.4	346.1	344.0	342.5
65°	297.4	299.9	297.1	296.2	293.8
67.5°	251.7	252.7	250.8	248.7	246.0
70°	205.8	207.6	204.5	202.4	200.0
72.5°	161.9	163.1	160.4	159.2	156.1
75°	124.1	124.4	120.4	119.8	116.8
77.5°	88.4	89.6	86.5	86.5	83.5
80°	59.3	61.4	58.1	57.2	55.1
82.5°	37.2	37.5	36.6	35.7	34.8
85°	19.4	20.0	19.4	18.8	18.8
87.5°	7.3	7.6	7.3	7.0	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)