

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: P413059

Luminaire Tested: **22PD-30-PC3-L927**

Issue Date: 9/15/2020



**Test Information**

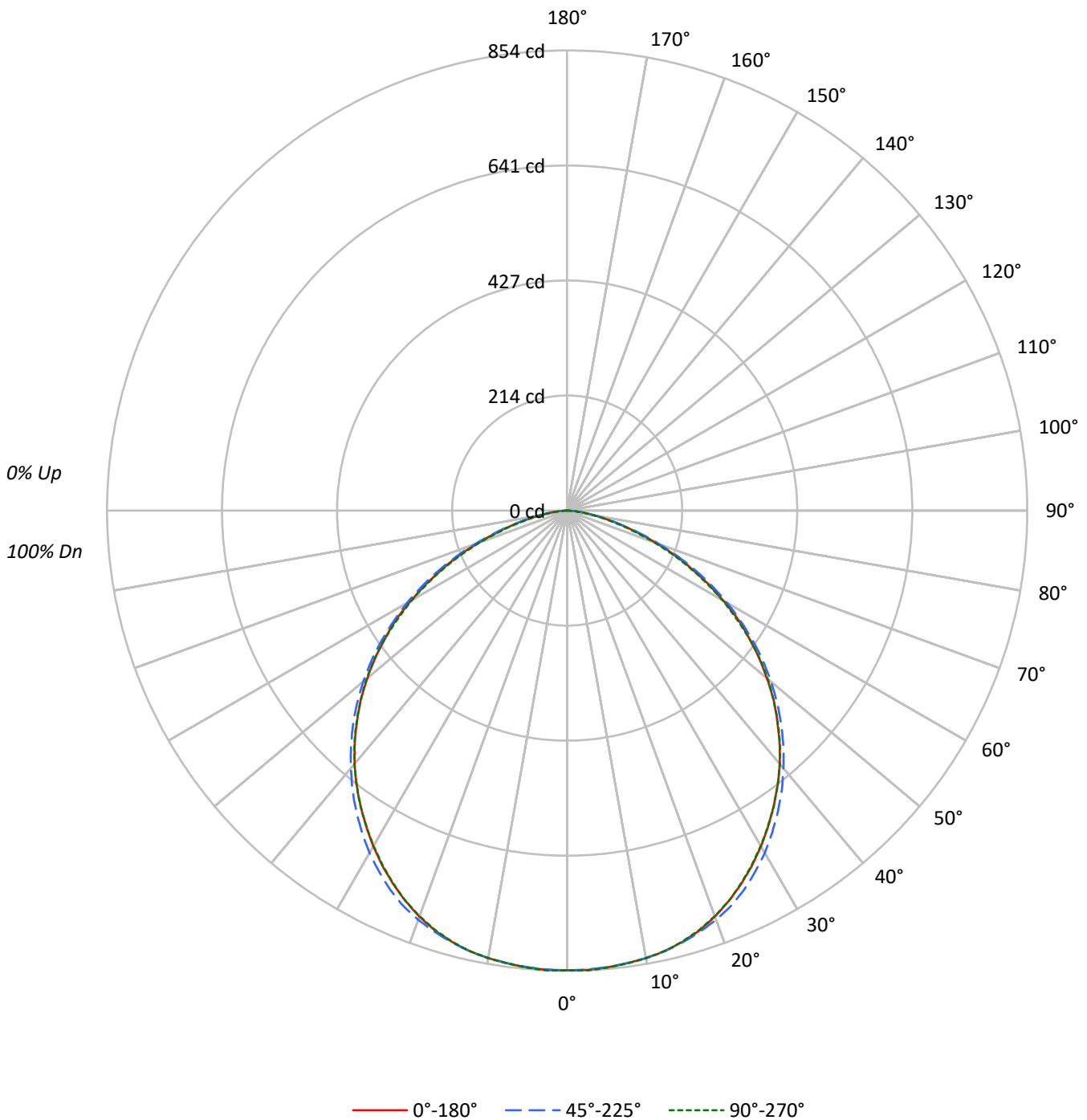
Test Method: LM-79-08  
Report Number: P413059  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-30-PC3-L927  
Description: 3000 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: 2292.0 lumens  
Efficiency: N/A  
Efficacy: 92.0 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): 24.9  
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°	2296	2296	2296
5°	2299	2297	2300
10°	2305	2304	2305
15°	2307	2310	2306
20°	2296	2314	2294
25°	2269	2306	2267
30°	2235	2279	2232
35°	2196	2240	2196
40°	2155	2193	2155
45°	2098	2140	2101
50°	2027	2066	2035
55°	1932	1971	1932
60°	1802	1848	1791
65°	1617	1675	1596
70°	1383	1433	1343
75°	1098	1128	1041
80°	786	815	748
85°	519	537	485



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.0	3.5
10°-20°	233.8	10.2
20°-30°	354.7	15.5
30°-40°	423.6	18.5
40°-50°	430.8	18.8
50°-60°	372.7	16.3
60°-70°	256.4	11.2
70°-80°	116.4	5.1
80°-90°	22.5	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°	669.5	29.2
0°-40°	1093.1	47.7
0°-60°	1896.7	82.8
0°-90°	2292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	851	850	850	850	852	81
15°	828	829	829	828	828	234
25°	764	771	777	770	764	352
35°	669	681	682	680	669	418
45°	551	562	562	562	552	425
55°	412	419	420	419	412	368
65°	254	261	263	261	251	252
75°	106	110	108	108	100	114
85°	17	18	17	17	16	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	853.2	853.2	853.2	853.2	853.2
2.5°	853.2	852.1	852.4	852.6	854.3
5°	851.0	850.2	850.5	850.5	851.5
7.5°	847.5	847.2	847.2	846.9	847.7
10°	843.4	842.9	843.1	842.9	843.4
12.5°	837.2	837.2	837.4	836.6	837.2
15°	828.2	828.7	829.3	827.9	827.9
17.5°	816.8	818.2	819.5	817.1	815.7
20°	801.6	804.9	808.1	804.3	801.1
22.5°	784.0	789.4	794.3	788.3	784.0
25°	764.2	770.9	776.6	769.6	763.6
27.5°	742.7	750.3	755.8	749.8	741.6
30°	719.4	728.6	733.5	727.8	718.3
32.5°	694.4	705.3	708.3	704.7	693.9
35°	668.6	680.6	681.9	679.5	668.6
37.5°	641.8	653.2	654.3	652.9	641.8
40°	613.6	624.1	624.4	624.4	613.6
42.5°	583.4	593.7	593.7	593.5	584.2
45°	551.4	561.5	562.3	561.7	552.2
47.5°	519.7	527.3	528.6	527.5	519.1
50°	484.1	492.0	493.6	492.5	486.0
52.5°	448.8	456.2	457.8	457.0	449.7
55°	411.9	419.0	420.1	419.3	411.9
57.5°	376.4	381.0	382.1	380.5	371.2
60°	334.9	341.4	343.3	341.4	332.7
62.5°	294.7	301.8	303.4	300.7	291.4
65°	254.0	261.1	263.0	260.8	250.7
67.5°	215.5	220.6	222.2	219.8	210.6
70°	175.8	182.4	182.1	178.8	170.7
72.5°	136.8	145.7	144.1	142.2	133.2
75°	105.6	109.6	108.5	107.5	100.1
77.5°	75.4	80.3	77.6	77.9	71.6
80°	50.7	55.4	52.6	51.6	48.3
82.5°	32.3	34.2	33.6	33.1	30.1
85°	16.8	17.9	17.4	16.8	15.7
87.5°	6.5	7.1	6.5	6.5	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)