

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: P413055

Luminaire Tested: **22PD-30-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413055
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-L830
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

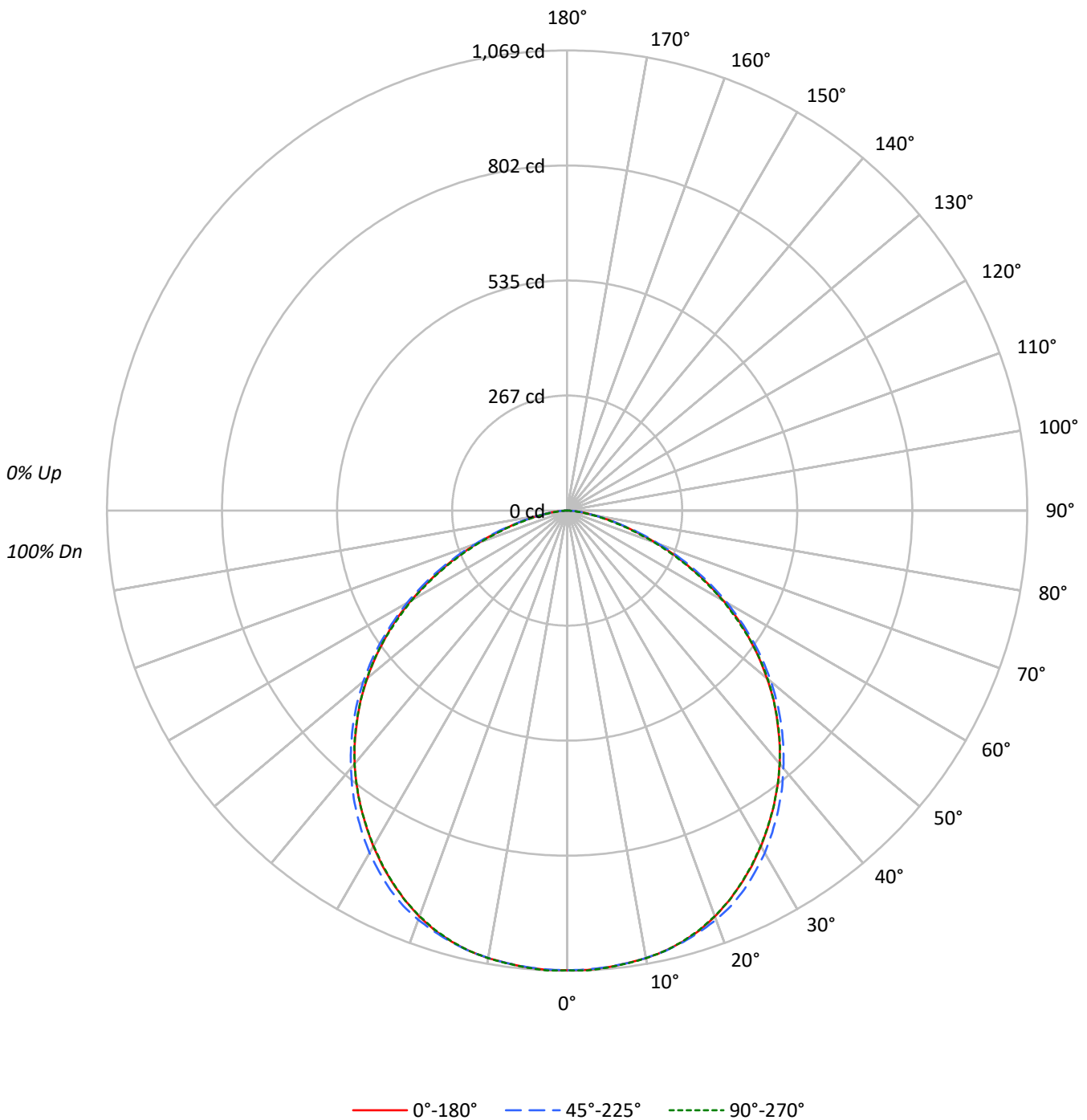
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2869.0 lumens
Efficiency: N/A
Efficacy: 115.2 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°	2874	2874	2874
5°	2877	2876	2879
10°	2885	2884	2885
15°	2888	2892	2887
20°	2873	2897	2871
25°	2840	2887	2838
30°	2798	2853	2794
35°	2750	2804	2750
40°	2698	2746	2698
45°	2627	2678	2630
50°	2537	2587	2547
55°	2419	2467	2419
60°	2256	2313	2241
65°	2024	2096	1999
70°	1732	1793	1681
75°	1373	1413	1303
80°	984	1021	938
85°	651	670	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	3.5
10°-20°	292.7	10.2
20°-30°	444.0	15.5
30°-40°	530.3	18.5
40°-50°	539.3	18.8
50°-60°	466.5	16.3
60°-70°	321.0	11.2
70°-80°	145.7	5.1
80°-90°	28.2	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°	838.0	29.2
0°-40°	1368.3	47.7
0°-60°	2374.1	82.8
0°-90°	2869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1065	1064	1065	1065	1066	101
15°	1037	1037	1038	1036	1036	292
25°	956	965	972	963	956	441
35°	837	852	854	851	837	524
45°	690	703	704	703	691	532
55°	516	524	526	525	516	461
65°	318	327	329	326	314	315
75°	132	137	136	134	125	142
85°	21	22	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°	1068.0	1068.0	1068.0	1068.0	1068.0
2.5°	1068.0	1066.6	1066.9	1067.3	1069.3
5°	1065.2	1064.2	1064.6	1064.6	1065.9
7.5°	1060.8	1060.5	1060.5	1060.1	1061.2
10°	1055.7	1055.0	1055.4	1055.0	1055.7
12.5°	1047.9	1047.9	1048.3	1047.2	1047.9
15°	1036.7	1037.4	1038.1	1036.4	1036.4
17.5°	1022.4	1024.1	1025.8	1022.8	1021.1
20°	1003.4	1007.5	1011.6	1006.8	1002.7
22.5°	981.3	988.1	994.2	986.8	981.3
25°	956.5	965.0	972.2	963.3	955.9
27.5°	929.7	939.2	946.0	938.5	928.3
30°	900.5	912.0	918.2	911.0	899.1
32.5°	869.2	882.8	886.6	882.1	868.6
35°	837.0	851.9	853.6	850.6	837.0
37.5°	803.3	817.6	819.0	817.3	803.3
40°	768.0	781.3	781.6	781.6	768.0
42.5°	730.3	743.2	743.2	742.9	731.3
45°	690.2	702.8	703.8	703.1	691.2
47.5°	650.5	660.0	661.7	660.3	649.8
50°	606.0	615.8	617.9	616.5	608.4
52.5°	561.8	571.0	573.0	572.0	562.8
55°	515.6	524.5	525.8	524.8	515.6
57.5°	471.1	476.9	478.3	476.2	464.7
60°	419.2	427.3	429.7	427.3	416.4
62.5°	368.9	377.7	379.8	376.4	364.8
65°	317.9	326.8	329.1	326.4	313.9
67.5°	269.7	276.2	278.2	275.1	263.6
70°	220.1	228.3	227.9	223.8	213.7
72.5°	171.2	182.4	180.4	178.0	166.8
75°	132.1	137.2	135.9	134.5	125.3
77.5°	94.4	100.5	97.1	97.5	89.7
80°	63.5	69.3	65.9	64.5	60.5
82.5°	40.4	42.8	42.1	41.4	37.7
85°	21.1	22.4	21.7	21.1	19.7
87.5°	8.2	8.8	8.2	8.2	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)