

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: P412378

Luminaire Tested: **22PD-30-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-30-PB1-L940
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

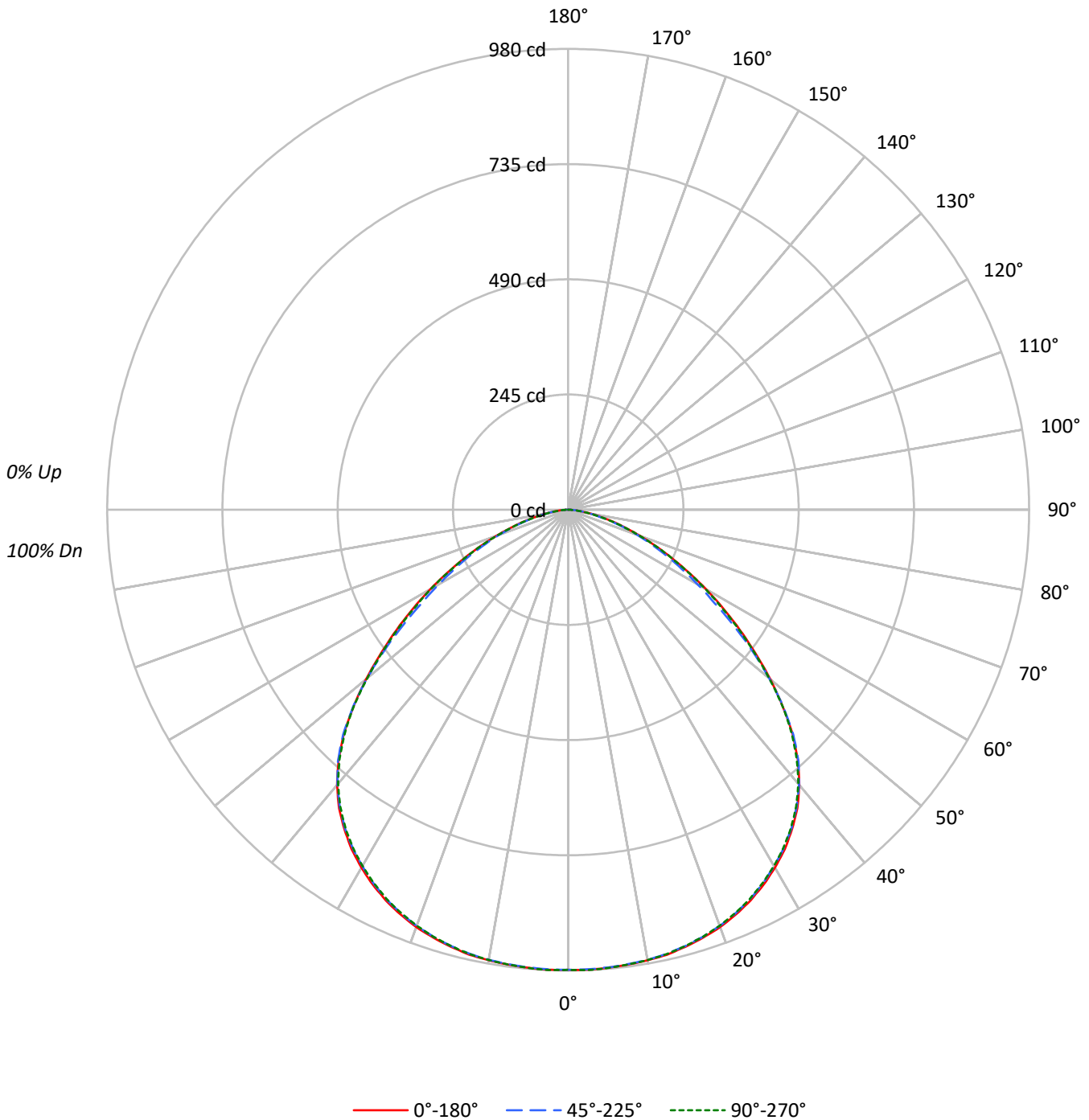
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2569.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
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	106	102	98	107	103	100	97	99	96	94		95	93	91		92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79		85	81	77		82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67		76	70	66		73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39		51	44	39		49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35		46	40	35		45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2633	2633	2633
5°	2642	2639	2642
10°	2659	2656	2657
15°	2681	2676	2676
20°	2705	2697	2696
25°	2722	2714	2711
30°	2731	2720	2718
35°	2726	2717	2712
40°	2685	2682	2673
45°	2567	2575	2555
50°	2350	2337	2334
55°	2088	2015	2074
60°	1821	1710	1809
65°	1543	1461	1536
70°	1276	1223	1264
75°	1031	966	991
80°	745	722	717
85°	485	485	466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.6
10°-20°	271.5	10.6
20°-30°	421.4	16.4
30°-40°	516.7	20.1
40°-50°	516.5	20.1
50°-60°	391.3	15.2
60°-70°	234.7	9.1
70°-80°	103.3	4.0
80°-90°	20.5	0.8
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°	786.0	30.6
0°-40°	1302.7	50.7
0°-60°	2210.5	86.0
0°-90°	2569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	978	977	977	977	978	93
15°	962	961	961	960	961	272
25°	917	915	914	913	913	423
35°	830	829	827	827	826	518
45°	674	675	677	675	671	516
55°	445	435	429	435	442	399
65°	242	234	229	233	241	242
75°	99	97	93	94	95	106
85°	16	16	16	15	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.5	978.5	978.5	978.5	978.5
2.5°	979.4	977.9	978.2	978.2	980.0
5°	977.9	976.7	977.0	976.7	978.2
7.5°	975.8	974.6	974.9	974.6	975.5
10°	973.1	971.9	971.9	971.3	972.5
12.5°	969.5	967.9	967.3	967.0	967.9
15°	962.2	961.3	960.7	960.1	960.7
17.5°	954.3	952.8	952.2	951.0	952.2
20°	944.6	942.5	941.9	941.0	941.3
22.5°	931.9	930.1	929.2	927.7	928.3
25°	916.8	915.0	914.1	912.6	913.2
27.5°	899.3	898.0	895.9	894.7	895.0
30°	879.0	877.8	875.4	874.7	874.7
32.5°	856.6	855.1	853.0	852.4	852.1
35°	829.7	829.4	827.2	826.6	825.7
37.5°	800.3	799.7	797.3	796.7	795.8
40°	764.3	763.7	763.4	762.2	761.0
42.5°	722.6	723.5	724.1	721.6	719.2
45°	674.4	675.3	676.6	674.7	671.4
47.5°	618.2	621.8	620.0	621.2	617.9
50°	561.3	561.3	558.3	559.5	557.6
52.5°	501.7	496.8	493.2	495.6	498.0
55°	445.1	435.4	429.4	435.1	442.1
57.5°	390.9	379.4	368.2	377.3	385.8
60°	338.3	325.0	317.7	324.4	336.2
62.5°	288.4	278.7	271.4	276.6	286.5
65°	242.4	233.9	229.4	233.3	241.2
67.5°	200.3	194.6	190.0	193.3	199.4
70°	162.2	160.7	155.5	157.0	160.7
72.5°	127.4	127.1	122.5	123.8	125.9
75°	99.2	97.1	92.9	94.4	95.3
77.5°	70.2	71.1	67.2	68.1	68.1
80°	48.1	49.6	46.6	46.0	46.3
82.5°	30.6	30.6	30.3	30.0	29.0
85°	15.7	16.3	15.7	15.1	15.1
87.5°	6.1	6.1	6.1	5.7	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)