

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: P412371

Luminaire Tested: **22PD-30-PB1-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412371
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-L830
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

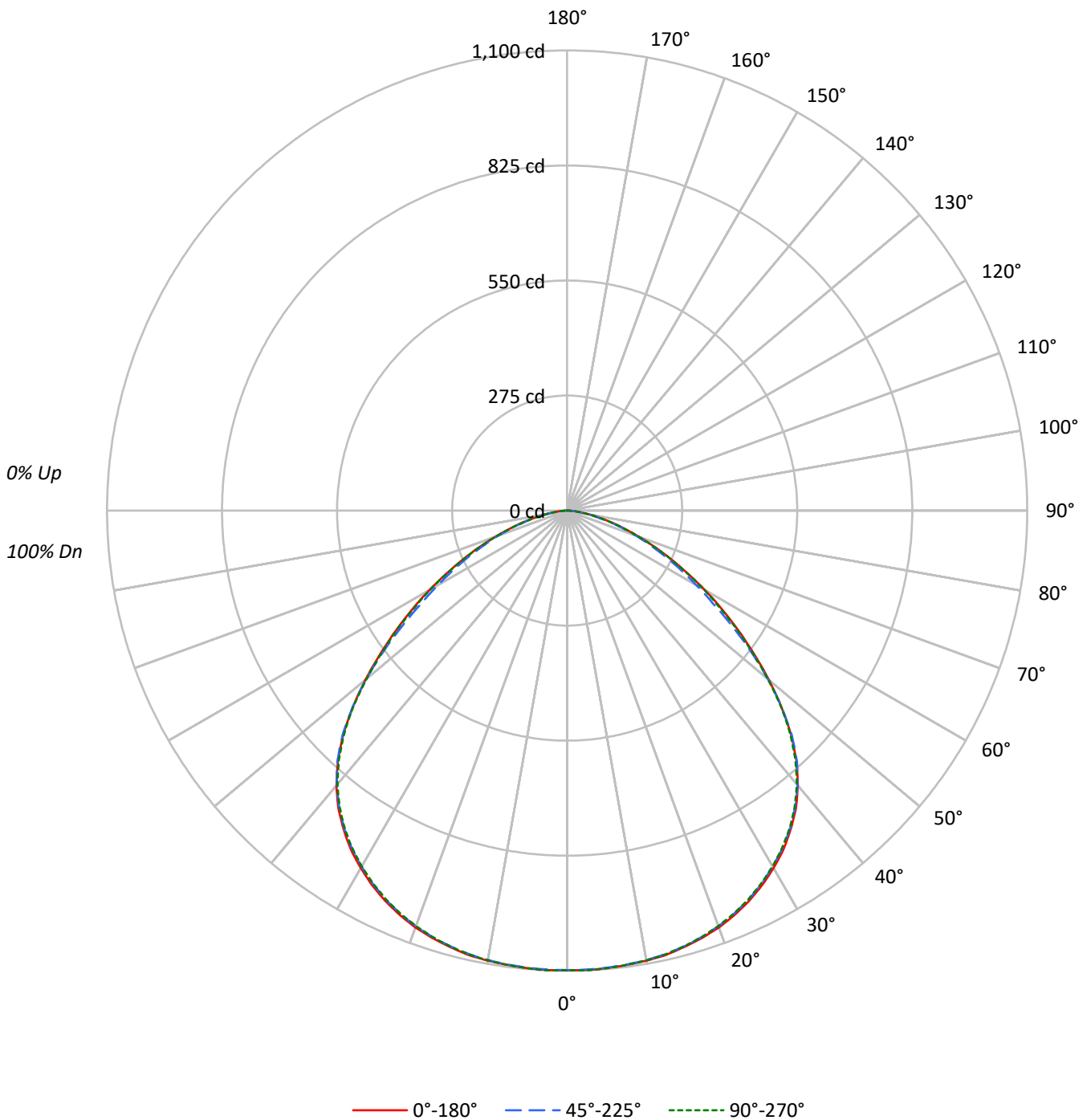
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2884.0 lumens
Efficiency: N/A
Efficacy: 115.8 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°	2956	2956	2956
5°	2965	2963	2967
10°	2985	2981	2983
15°	3009	3005	3005
20°	3037	3028	3026
25°	3056	3047	3044
30°	3066	3054	3051
35°	3060	3051	3045
40°	3014	3010	3001
45°	2881	2890	2868
50°	2638	2624	2621
55°	2344	2261	2328
60°	2044	1920	2031
65°	1733	1640	1724
70°	1433	1374	1419
75°	1158	1084	1112
80°	837	810	806
85°	546	546	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	3.6
10°-20°	304.8	10.6
20°-30°	473.0	16.4
30°-40°	580.1	20.1
40°-50°	579.9	20.1
50°-60°	439.2	15.2
60°-70°	263.4	9.1
70°-80°	116.0	4.0
80°-90°	23.0	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°	882.4	30.6
0°-40°	1462.5	50.7
0°-60°	2481.6	86.0
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1098	1096	1097	1096	1098	105
15°	1080	1079	1078	1078	1078	305
25°	1029	1027	1026	1024	1025	474
35°	931	931	929	928	927	582
45°	757	758	760	758	754	580
55°	500	489	482	488	496	448
65°	272	263	258	262	271	272
75°	111	109	104	106	107	119
85°	18	18	18	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1098.5	1098.5	1098.5	1098.5	1098.5
2.5°	1099.5	1097.8	1098.2	1098.2	1100.2
5°	1097.8	1096.5	1096.8	1096.5	1098.2
7.5°	1095.5	1094.1	1094.4	1094.1	1095.1
10°	1092.4	1091.0	1091.0	1090.4	1091.7
12.5°	1088.3	1086.6	1085.9	1085.6	1086.6
15°	1080.2	1079.2	1078.5	1077.8	1078.5
17.5°	1071.3	1069.6	1069.0	1067.6	1069.0
20°	1060.5	1058.1	1057.4	1056.4	1056.7
22.5°	1046.2	1044.2	1043.1	1041.4	1042.1
25°	1029.2	1027.2	1026.2	1024.5	1025.1
27.5°	1009.5	1008.2	1005.8	1004.4	1004.8
30°	986.8	985.4	982.7	982.0	982.0
32.5°	961.6	959.9	957.5	956.9	956.5
35°	931.4	931.1	928.7	928.0	927.0
37.5°	898.4	897.8	895.0	894.4	893.3
40°	858.0	857.3	857.0	855.6	854.3
42.5°	811.1	812.2	812.8	810.1	807.4
45°	757.1	758.2	759.5	757.5	753.7
47.5°	694.0	698.0	696.0	697.4	693.6
50°	630.1	630.1	626.7	628.1	626.0
52.5°	563.2	557.7	553.7	556.4	559.1
55°	499.7	488.8	482.0	488.5	496.3
57.5°	438.9	426.0	413.4	423.6	433.1
60°	379.8	364.8	356.7	364.1	377.4
62.5°	323.7	312.8	304.7	310.5	321.7
65°	272.1	262.6	257.5	261.9	270.7
67.5°	224.9	218.4	213.3	217.1	223.8
70°	182.1	180.4	174.6	176.3	180.4
72.5°	143.0	142.7	137.6	138.9	141.3
75°	111.4	109.0	104.3	106.0	107.0
77.5°	78.8	79.8	75.4	76.4	76.4
80°	54.0	55.7	52.3	51.6	52.0
82.5°	34.3	34.3	34.0	33.6	32.6
85°	17.7	18.3	17.7	17.0	17.0
87.5°	6.8	6.8	6.8	6.5	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)