

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: P412395

Luminaire Tested: **22PD-40-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412395
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-40-PB1-L935
Description: 4000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

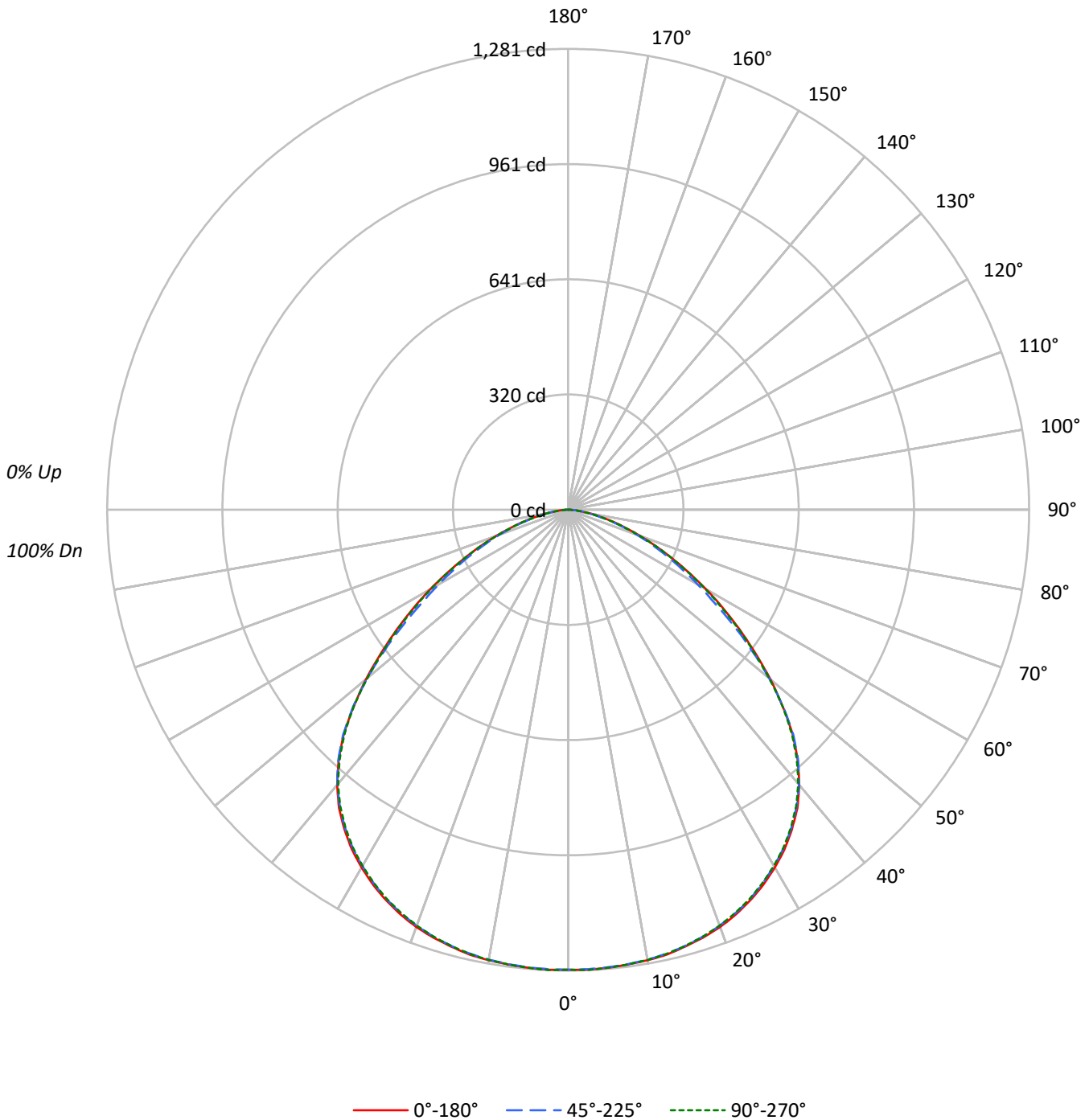
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3357.0 lumens
Efficiency: N/A
Efficacy: 99.3 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): 33.8
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°	3441	3441	3441
5°	3452	3449	3453
10°	3475	3470	3472
15°	3503	3497	3497
20°	3535	3525	3522
25°	3557	3547	3543
30°	3569	3554	3552
35°	3561	3551	3545
40°	3508	3504	3493
45°	3354	3365	3339
50°	3070	3054	3051
55°	2729	2632	2710
60°	2379	2235	2364
65°	2017	1908	2006
70°	1667	1599	1651
75°	1349	1262	1294
80°	975	944	938
85°	636	636	611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	3.6
10°-20°	354.8	10.6
20°-30°	550.6	16.4
30°-40°	675.2	20.1
40°-50°	675.0	20.1
50°-60°	511.3	15.2
60°-70°	306.6	9.1
70°-80°	135.0	4.0
80°-90°	26.8	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°	1027.1	30.6
0°-40°	1702.3	50.7
0°-60°	2888.6	86.0
0°-90°	3357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1278	1276	1277	1276	1278	122
15°	1257	1256	1255	1255	1255	355
25°	1198	1196	1194	1192	1193	552
35°	1084	1084	1081	1080	1079	677
45°	881	882	884	882	877	675
55°	582	569	561	569	578	521
65°	317	306	300	305	315	317
75°	130	127	121	123	124	138
85°	21	21	21	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.7	1278.7	1278.7	1278.7	1278.7
2.5°	1279.9	1277.9	1278.3	1278.3	1280.7
5°	1277.9	1276.3	1276.7	1276.3	1278.3
7.5°	1275.1	1273.5	1273.9	1273.5	1274.7
10°	1271.6	1270.0	1270.0	1269.2	1270.8
12.5°	1266.8	1264.8	1264.0	1263.7	1264.8
15°	1257.3	1256.1	1255.4	1254.6	1255.4
17.5°	1247.0	1245.1	1244.3	1242.7	1244.3
20°	1234.4	1231.6	1230.8	1229.6	1230.0
22.5°	1217.8	1215.4	1214.2	1212.3	1213.0
25°	1198.0	1195.6	1194.5	1192.5	1193.3
27.5°	1175.1	1173.5	1170.7	1169.2	1169.6
30°	1148.6	1147.0	1143.9	1143.1	1143.1
32.5°	1119.3	1117.4	1114.6	1113.8	1113.4
35°	1084.1	1083.8	1081.0	1080.2	1079.0
37.5°	1045.8	1045.0	1041.8	1041.1	1039.9
40°	998.7	998.0	997.6	996.0	994.4
42.5°	944.2	945.4	946.2	943.0	939.8
45°	881.3	882.5	884.1	881.7	877.4
47.5°	807.8	812.5	810.1	811.7	807.4
50°	733.4	733.4	729.5	731.1	728.7
52.5°	655.5	649.2	644.5	647.6	650.8
55°	581.6	569.0	561.1	568.6	577.7
57.5°	510.8	495.8	481.2	493.0	504.1
60°	442.0	424.6	415.2	423.9	439.3
62.5°	376.8	364.2	354.7	361.4	374.4
65°	316.7	305.6	299.7	304.8	315.1
67.5°	261.7	254.2	248.3	252.7	260.6
70°	211.9	209.9	203.2	205.2	209.9
72.5°	166.5	166.1	160.1	161.7	164.5
75°	129.7	126.9	121.4	123.4	124.5
77.5°	91.7	92.9	87.8	89.0	89.0
80°	62.9	64.8	60.9	60.1	60.5
82.5°	39.9	39.9	39.5	39.1	38.0
85°	20.6	21.4	20.6	19.8	19.8
87.5°	7.9	7.9	7.9	7.5	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)