

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: P412739

Luminaire Tested: **22PD-40-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-40-PP3-L950
Description: 4000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

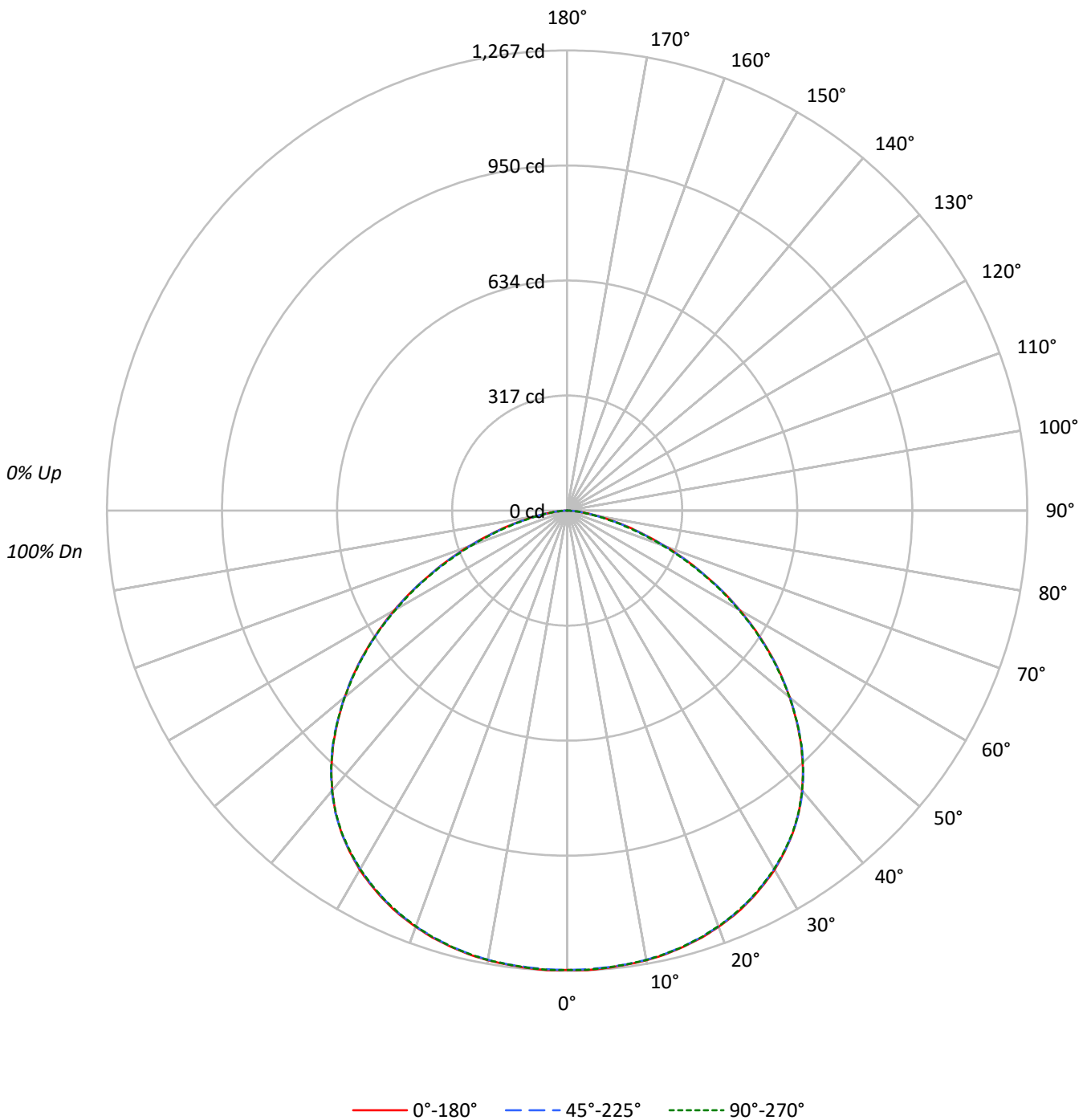
Lumens per Lamp: N/A
Luminaire Lumens: 3629.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3404	3404	3404
5°	3414	3410	3412
10°	3436	3431	3433
15°	3463	3459	3459
20°	3493	3489	3488
25°	3524	3517	3517
30°	3549	3542	3540
35°	3559	3559	3554
40°	3535	3543	3535
45°	3465	3475	3470
50°	3349	3354	3345
55°	3188	3180	3174
60°	2960	2953	2930
65°	2643	2641	2611
70°	2260	2246	2197
75°	1801	1748	1695
80°	1283	1257	1192
85°	834	834	809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	3.3
10°-20°	350.9	9.7
20°-30°	546.3	15.1
30°-40°	676.2	18.6
40°-50°	701.2	19.3
50°-60°	604.4	16.7
60°-70°	410.9	11.3
70°-80°	183.9	5.1
80°-90°	35.0	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°	1017.5	28.0
0°-40°	1693.7	46.7
0°-60°	2999.2	82.6
0°-90°	3629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1264	1262	1262	1262	1263	120
15°	1243	1241	1242	1241	1242	351
25°	1187	1185	1185	1184	1185	547
35°	1083	1082	1083	1082	1082	677
45°	910	910	913	911	912	701
55°	680	677	678	677	677	606
65°	415	418	415	414	410	412
75°	173	174	168	167	163	186
85°	27	28	27	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1266.6	1264.0	1264.0	1264.4	1265.7
5°	1264.0	1261.5	1262.3	1261.9	1263.2
7.5°	1260.6	1258.5	1259.8	1259.0	1259.8
10°	1257.3	1255.2	1255.6	1255.2	1256.4
12.5°	1251.4	1248.8	1249.7	1249.7	1250.1
15°	1242.9	1240.8	1241.6	1240.8	1241.6
17.5°	1232.8	1230.2	1230.7	1230.2	1231.1
20°	1219.7	1218.0	1218.4	1217.6	1218.0
22.5°	1204.9	1202.8	1203.2	1202.4	1202.4
25°	1186.7	1185.0	1184.6	1184.2	1184.6
27.5°	1165.6	1163.5	1163.5	1163.1	1163.1
30°	1142.0	1139.9	1139.9	1139.4	1139.4
32.5°	1114.1	1113.3	1113.7	1112.8	1112.4
35°	1083.3	1082.0	1083.3	1081.6	1082.0
37.5°	1047.4	1045.7	1048.2	1046.5	1046.9
40°	1006.4	1005.6	1008.5	1007.2	1006.4
42.5°	960.8	960.8	962.1	962.5	961.6
45°	910.5	909.7	913.1	911.0	911.8
47.5°	856.5	855.2	857.7	857.3	856.9
50°	799.9	799.0	801.2	799.0	799.0
52.5°	741.2	740.8	741.2	739.1	738.6
55°	679.5	677.0	677.8	676.6	676.6
57.5°	615.3	612.4	612.8	612.4	612.8
60°	549.9	549.0	548.6	546.5	544.4
62.5°	482.7	483.6	483.1	480.2	478.1
65°	415.1	418.5	414.7	413.5	410.1
67.5°	351.4	352.6	350.1	347.2	343.4
70°	287.2	289.7	285.5	282.5	279.2
72.5°	225.9	227.6	223.8	222.1	217.9
75°	173.2	173.6	168.1	167.2	163.0
77.5°	123.3	125.0	120.8	120.8	116.6
80°	82.8	85.7	81.1	79.8	76.9
82.5°	51.9	52.4	51.1	49.8	48.6
85°	27.0	27.9	27.0	26.2	26.2
87.5°	10.1	10.6	10.1	9.7	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)