

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: P412730

Luminaire Tested: **22PD-35-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412730
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-35-PP3-L950
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

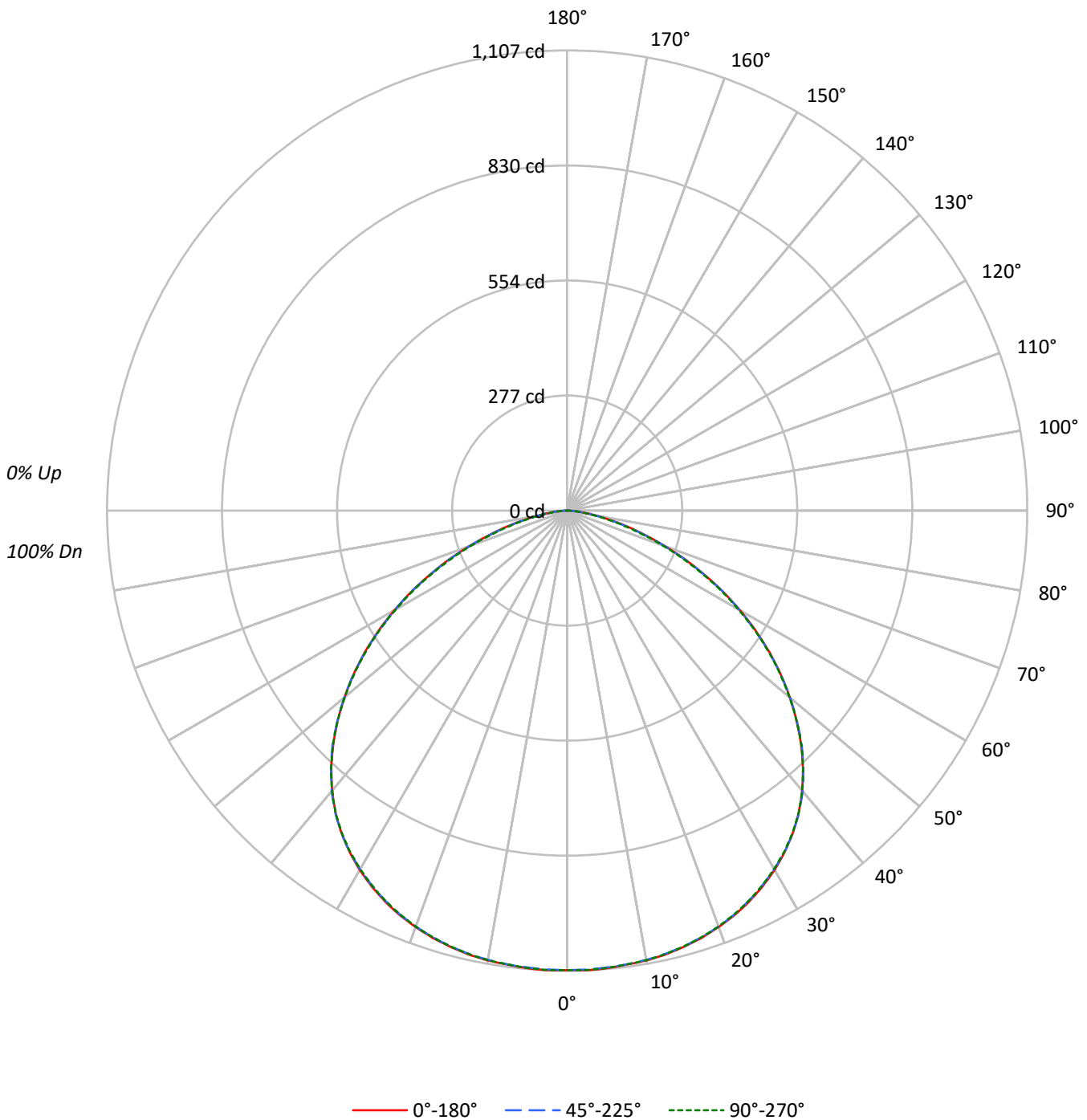
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3172.0 lumens
Efficiency: N/A
Efficacy: 108.6 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): 29.2
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	51	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°	2975	2975	2975
5°	2984	2981	2982
10°	3003	2999	3001
15°	3027	3024	3024
20°	3053	3050	3049
25°	3080	3074	3074
30°	3102	3096	3095
35°	3111	3111	3107
40°	3090	3097	3090
45°	3029	3037	3033
50°	2927	2932	2924
55°	2787	2780	2775
60°	2587	2581	2561
65°	2311	2308	2282
70°	1975	1963	1920
75°	1573	1527	1482
80°	1122	1099	1041
85°	729	729	707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	3.3
10°-20°	306.7	9.7
20°-30°	477.5	15.1
30°-40°	591.0	18.6
40°-50°	612.9	19.3
50°-60°	528.3	16.7
60°-70°	359.1	11.3
70°-80°	160.7	5.1
80°-90°	30.6	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°	889.4	28.0
0°-40°	1480.4	46.7
0°-60°	2621.5	82.6
0°-90°	3172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1105	1103	1103	1103	1104	105
15°	1086	1084	1085	1084	1085	307
25°	1037	1036	1035	1035	1035	478
35°	947	946	947	945	946	591
45°	796	795	798	796	797	613
55°	594	592	592	591	591	530
65°	363	366	362	361	358	360
75°	151	152	147	146	142	163
85°	24	24	24	23	23	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1107.1	1104.8	1104.8	1105.2	1106.3
5°	1104.8	1102.6	1103.4	1103.0	1104.1
7.5°	1101.9	1100.0	1101.2	1100.4	1101.2
10°	1098.9	1097.1	1097.5	1097.1	1098.2
12.5°	1093.8	1091.6	1092.3	1092.3	1092.7
15°	1086.4	1084.5	1085.3	1084.5	1085.3
17.5°	1077.5	1075.3	1075.7	1075.3	1076.1
20°	1066.1	1064.6	1065.0	1064.2	1064.6
22.5°	1053.2	1051.3	1051.7	1051.0	1051.0
25°	1037.3	1035.8	1035.4	1035.1	1035.4
27.5°	1018.8	1017.0	1017.0	1016.6	1016.6
30°	998.2	996.3	996.3	995.9	995.9
32.5°	973.8	973.1	973.4	972.7	972.3
35°	946.9	945.7	946.9	945.4	945.7
37.5°	915.5	914.0	916.2	914.7	915.1
40°	879.7	878.9	881.5	880.4	879.7
42.5°	839.8	839.8	840.9	841.3	840.5
45°	795.9	795.1	798.1	796.2	797.0
47.5°	748.6	747.5	749.7	749.4	749.0
50°	699.2	698.4	700.3	698.4	698.4
52.5°	647.8	647.5	647.8	646.0	645.6
55°	594.0	591.7	592.5	591.4	591.4
57.5°	537.8	535.3	535.6	535.3	535.6
60°	480.6	479.9	479.5	477.7	475.8
62.5°	421.9	422.7	422.3	419.7	417.9
65°	362.9	365.8	362.5	361.4	358.4
67.5°	307.1	308.2	306.0	303.4	300.1
70°	251.0	253.2	249.5	247.0	244.0
72.5°	197.5	199.0	195.6	194.2	190.5
75°	151.3	151.7	146.9	146.2	142.5
77.5°	107.8	109.3	105.6	105.6	101.9
80°	72.4	74.9	70.9	69.8	67.2
82.5°	45.4	45.8	44.7	43.6	42.5
85°	23.6	24.4	23.6	22.9	22.9
87.5°	8.9	9.2	8.9	8.5	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)