

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: P412729

Luminaire Tested: **22PD-35-PP3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412729
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-L940
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

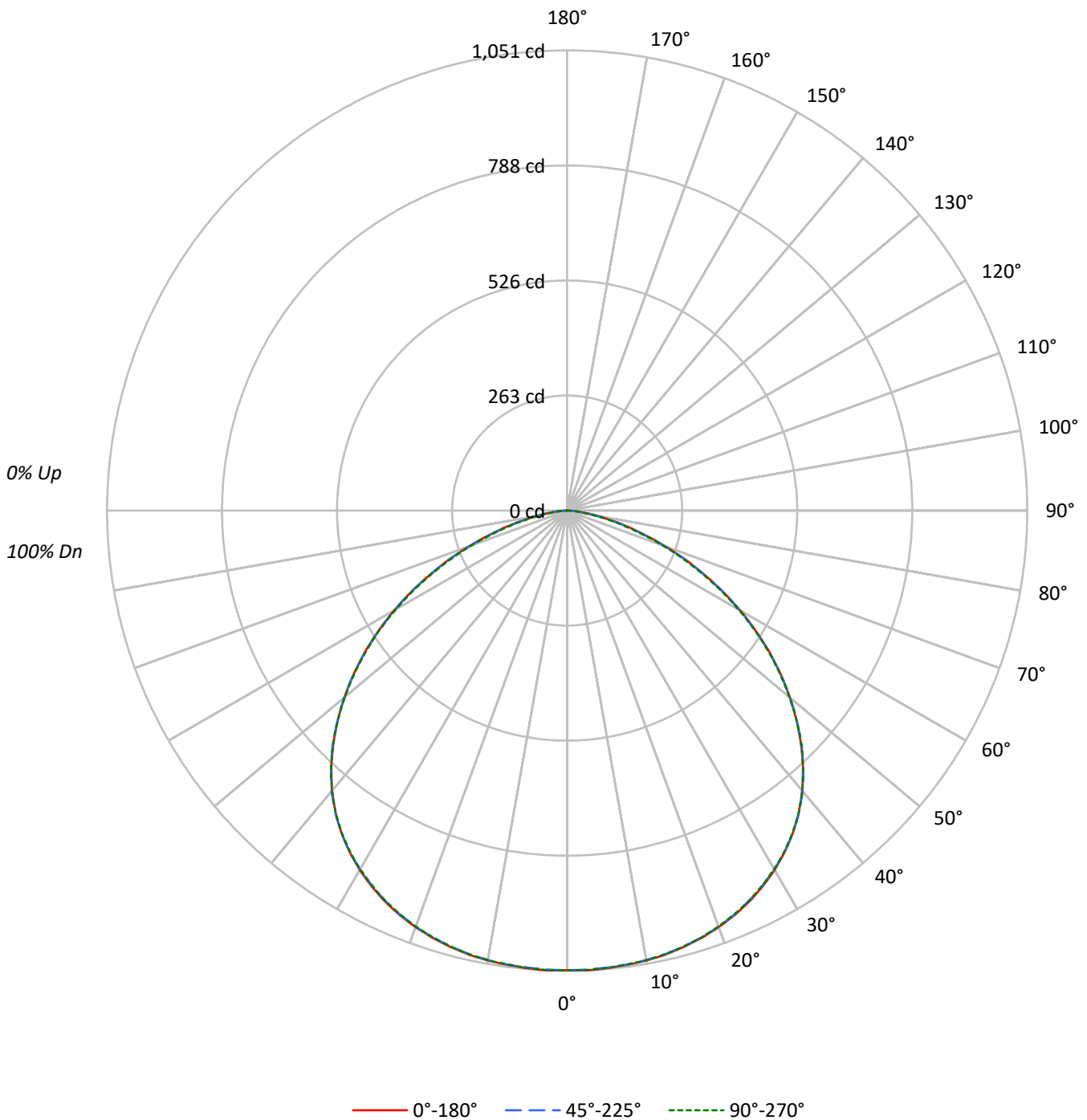
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012.0 lumens
Efficiency: N/A
Efficacy: 103.2 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	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°	2825	2825	2825
5°	2834	2830	2832
10°	2851	2848	2849
15°	2874	2871	2871
20°	2899	2896	2895
25°	2925	2919	2919
30°	2945	2940	2939
35°	2954	2954	2950
40°	2934	2940	2934
45°	2876	2884	2880
50°	2779	2784	2776
55°	2646	2639	2634
60°	2456	2450	2432
65°	2194	2192	2167
70°	1876	1865	1823
75°	1494	1450	1407
80°	1065	1043	989
85°	692	692	670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	3.3
10°-20°	291.2	9.7
20°-30°	453.5	15.1
30°-40°	561.2	18.6
40°-50°	582.0	19.3
50°-60°	501.6	16.7
60°-70°	341.0	11.3
70°-80°	152.6	5.1
80°-90°	29.1	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°	844.5	28.0
0°-40°	1405.7	46.7
0°-60°	2489.3	82.6
0°-90°	3012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1049	1047	1048	1047	1048	100
15°	1032	1030	1030	1030	1030	292
25°	985	984	983	983	983	454
35°	899	898	899	898	898	562
45°	756	755	758	756	757	582
55°	564	562	563	562	562	503
65°	345	347	344	343	340	342
75°	144	144	140	139	135	155
85°	22	23	22	22	22	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1049.8	1049.8	1049.8	1049.8	1049.8
2.5°	1051.2	1049.1	1049.1	1049.5	1050.5
5°	1049.1	1047.0	1047.7	1047.4	1048.4
7.5°	1046.3	1044.6	1045.6	1044.9	1045.6
10°	1043.5	1041.8	1042.1	1041.8	1042.8
12.5°	1038.6	1036.5	1037.2	1037.2	1037.5
15°	1031.6	1029.8	1030.5	1029.8	1030.5
17.5°	1023.2	1021.1	1021.4	1021.1	1021.8
20°	1012.3	1010.9	1011.3	1010.6	1010.9
22.5°	1000.0	998.3	998.6	997.9	997.9
25°	985.0	983.6	983.2	982.9	983.2
27.5°	967.4	965.7	965.7	965.3	965.3
30°	947.8	946.1	946.1	945.7	945.7
32.5°	924.7	924.0	924.3	923.6	923.3
35°	899.1	898.0	899.1	897.7	898.0
37.5°	869.3	867.9	870.0	868.6	868.9
40°	835.3	834.6	837.0	836.0	835.3
42.5°	797.4	797.4	798.5	798.8	798.1
45°	755.7	755.0	757.8	756.1	756.8
47.5°	710.9	709.8	711.9	711.6	711.2
50°	663.9	663.2	664.9	663.2	663.2
52.5°	615.2	614.8	615.2	613.4	613.1
55°	564.0	561.9	562.6	561.5	561.5
57.5°	510.7	508.3	508.6	508.3	508.6
60°	456.4	455.7	455.3	453.6	451.8
62.5°	400.6	401.3	401.0	398.5	396.8
65°	344.6	347.4	344.2	343.2	340.4
67.5°	291.6	292.7	290.6	288.1	285.0
70°	238.4	240.5	237.0	234.5	231.7
72.5°	187.5	188.9	185.8	184.4	180.9
75°	143.7	144.1	139.5	138.8	135.3
77.5°	102.4	103.8	100.2	100.2	96.7
80°	68.7	71.2	67.3	66.2	63.8
82.5°	43.1	43.5	42.4	41.4	40.3
85°	22.4	23.1	22.4	21.7	21.7
87.5°	8.4	8.8	8.4	8.1	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)