

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: CORELITE

Report Number: P412646

Luminaire Tested: **14PD-35-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PP3-L930
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

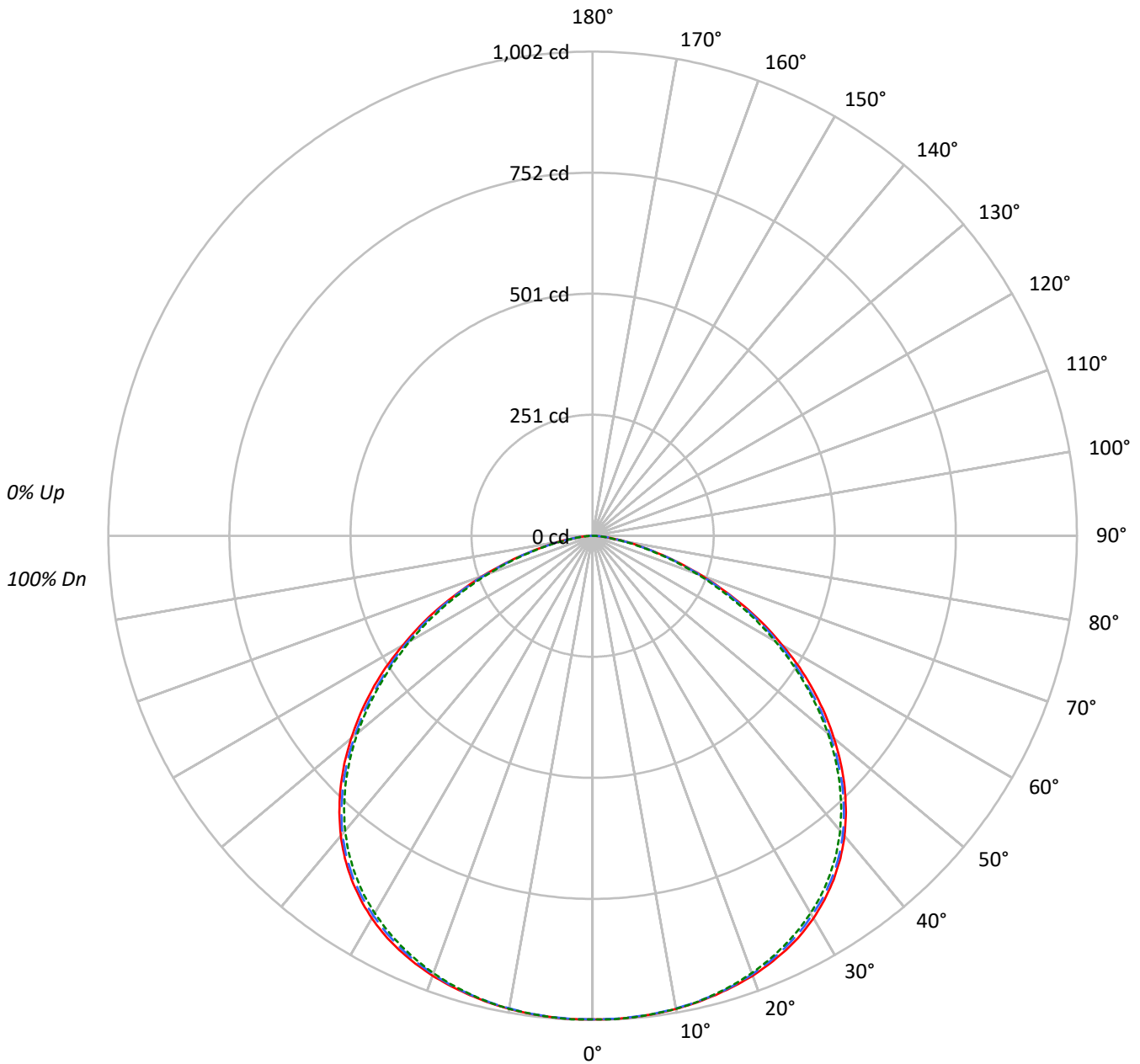
Lumens per Lamp: N/A
Luminaire Lumens: 2912.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
Input Voltage (V): NR
Input Current (A_{in}): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
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°	2693	2693	2693
5°	2700	2699	2701
10°	2717	2714	2716
15°	2741	2737	2735
20°	2774	2765	2758
25°	2809	2794	2781
30°	2840	2820	2802
35°	2855	2838	2812
40°	2848	2831	2799
45°	2807	2780	2749
50°	2730	2686	2658
55°	2617	2555	2522
60°	2439	2396	2348
65°	2211	2166	2103
70°	1887	1852	1793
75°	1473	1459	1389
80°	1086	1041	982
85°	655	655	611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	3.3
10°-20°	277.8	9.5
20°-30°	434.3	14.9
30°-40°	539.7	18.5
40°-50°	562.3	19.3
50°-60°	488.0	16.8
60°-70°	335.5	11.5
70°-80°	151.4	5.2
80°-90°	27.8	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°	807.3	27.7
0°-40°	1347.0	46.3
0°-60°	2397.3	82.3
0°-90°	2912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	1000	1000	999	998	1000	95
15°	984	984	982	982	982	278
25°	946	946	941	937	937	436
35°	869	869	864	859	856	543
45°	738	738	730	725	722	568
55°	558	555	544	538	538	497
65°	347	346	340	332	330	343
75°	142	142	140	136	134	154
85°	21	21	21	21	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.8	1000.8	1000.8	1000.8	1000.8
2.5°	1001.1	1001.1	1000.5	999.6	1001.6
5°	999.6	999.9	999.3	998.4	999.9
7.5°	997.6	997.9	997.0	996.1	997.3
10°	994.4	994.1	993.2	992.6	994.1
12.5°	989.7	989.4	988.5	988.0	989.1
15°	983.9	983.9	982.4	981.6	981.9
17.5°	976.9	976.9	974.9	972.8	973.4
20°	968.8	968.5	965.6	963.5	963.2
22.5°	958.6	958.6	954.5	951.9	951.0
25°	946.1	945.8	941.1	937.3	936.7
27.5°	931.8	931.2	925.7	921.9	920.5
30°	914.0	913.5	907.6	903.6	901.8
32.5°	893.1	894.0	887.3	882.6	880.9
35°	869.2	869.2	864.0	859.0	856.1
37.5°	841.9	841.9	836.9	832.0	828.5
40°	810.7	811.0	805.8	799.7	796.8
42.5°	775.8	776.4	769.4	764.5	761.3
45°	737.7	738.0	730.4	724.9	722.3
47.5°	696.4	695.8	687.4	682.7	680.1
50°	652.1	651.0	641.7	637.3	635.0
52.5°	605.9	603.5	595.4	589.0	587.0
55°	557.9	554.7	544.5	538.1	537.5
57.5°	507.8	504.0	495.6	489.5	487.1
60°	453.1	452.2	445.2	438.0	436.2
62.5°	401.9	399.3	393.1	384.4	383.5
65°	347.2	345.7	340.2	332.0	330.3
67.5°	290.7	292.2	287.5	280.2	277.9
70°	239.8	240.7	235.4	228.7	227.9
72.5°	188.6	190.0	185.7	181.3	180.4
75°	141.7	142.3	140.3	136.5	133.6
77.5°	100.7	102.7	100.4	97.8	95.4
80°	70.1	66.9	67.2	66.1	63.4
82.5°	42.2	40.7	40.4	39.3	38.1
85°	21.2	21.0	21.2	21.0	19.8
87.5°	7.0	7.6	7.9	7.9	7.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)