

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: P412649

Luminaire Tested: **14PD-35-PP3-L950**

Issue Date: 9/15/2020

**Test Information**

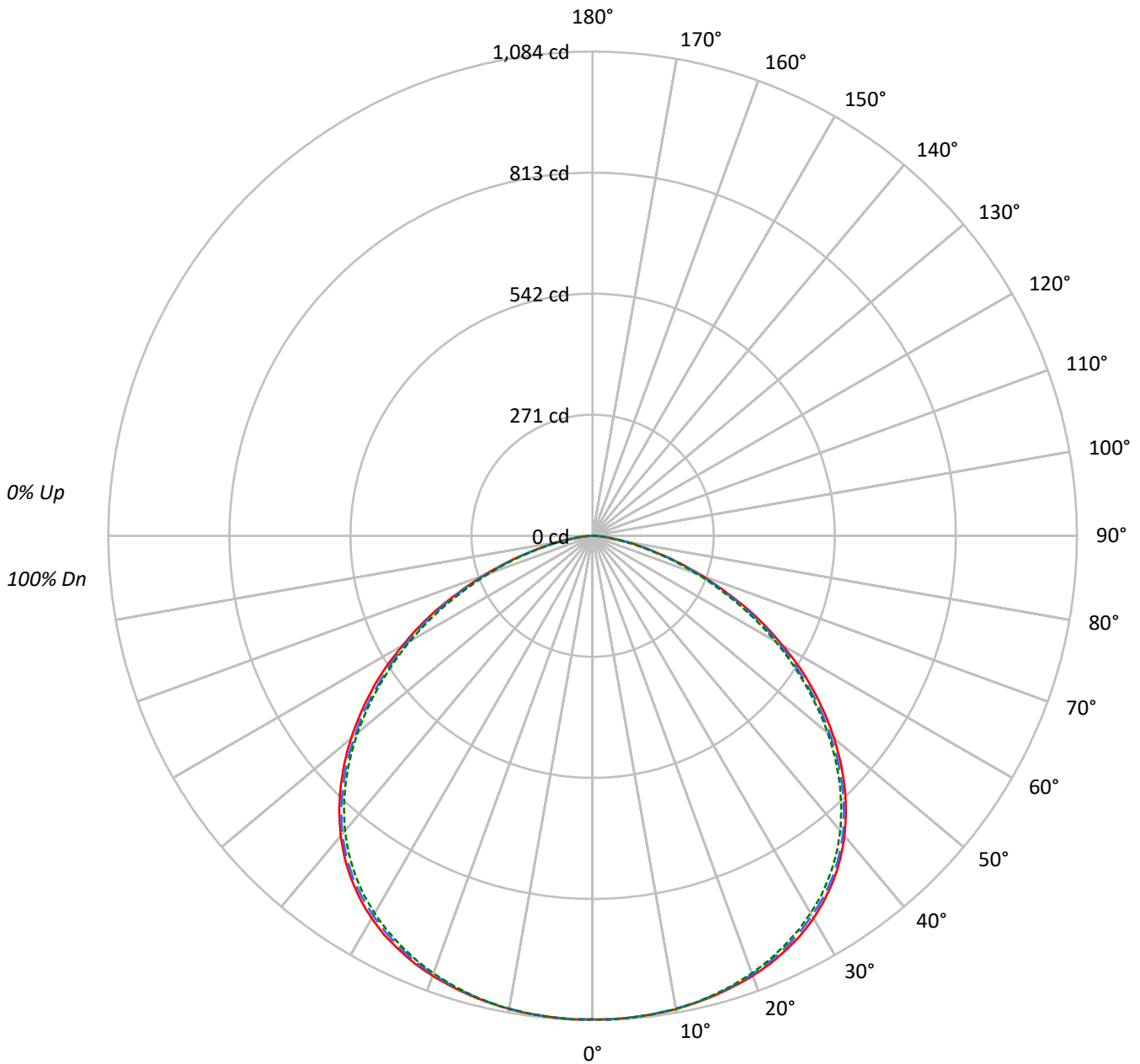
Test Method: LM-79-08  
Report Number: P412649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PP3-L950  
Description: 3500 LUMEN 1X4 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: 3151.0 lumens  
Efficiency: N/A  
Efficacy: 99.1 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<sub>in</sub>): 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°	2914	2914	2914
5°	2922	2921	2923
10°	2940	2937	2939
15°	2966	2962	2960
20°	3002	2992	2985
25°	3040	3024	3010
30°	3073	3052	3032
35°	3090	3071	3043
40°	3082	3063	3029
45°	3038	3008	2974
50°	2954	2907	2876
55°	2832	2764	2729
60°	2639	2593	2540
65°	2392	2344	2276
70°	2042	2004	1940
75°	1595	1578	1502
80°	1176	1127	1063
85°	710	710	661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	3.3
10°-20°	300.6	9.5
20°-30°	469.9	14.9
30°-40°	584.0	18.5
40°-50°	608.5	19.3
50°-60°	528.0	16.8
60°-70°	363.1	11.5
70°-80°	163.8	5.2
80°-90°	30.0	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°	873.6	27.7
0°-40°	1457.6	46.3
0°-60°	2594.1	82.3
0°-90°	3151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1082	1082	1081	1080	1082	103
15°	1065	1065	1063	1062	1062	301
25°	1024	1023	1018	1014	1014	472
35°	941	941	935	930	926	588
45°	798	799	790	784	782	614
55°	604	600	589	582	582	538
65°	376	374	368	359	357	371
75°	153	154	152	148	144	167
85°	23	23	23	23	21	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1082.9	1082.9	1082.9	1082.9	<i>1082.9</i>
2.5°	<i>1083.2</i>	<i>1083.2</i>	<i>1082.6</i>	<i>1081.6</i>	<i>1083.9</i>
5°	1081.6	1082.0	1081.3	1080.4	<i>1082.0</i>
7.5°	1079.4	1079.8	1078.8	1077.9	<i>1079.1</i>
10°	1076.0	1075.7	1074.7	1074.1	<i>1075.7</i>
12.5°	1070.9	1070.6	1069.7	1069.1	<i>1070.3</i>
15°	1064.6	1064.6	1063.1	1062.1	<i>1062.4</i>
17.5°	1057.1	1057.1	1054.9	1052.7	<i>1053.3</i>
20°	1048.3	1048.0	1044.8	1042.6	<i>1042.3</i>
22.5°	1037.2	1037.2	1032.8	1030.0	<i>1029.1</i>
25°	1023.7	1023.4	1018.4	1014.3	<i>1013.6</i>
27.5°	1008.3	1007.6	1001.7	997.6	<i>996.0</i>
30°	989.1	988.4	982.1	977.7	<i>975.8</i>
32.5°	966.4	967.3	960.1	955.1	<i>953.2</i>
35°	940.6	940.6	934.9	929.6	<i>926.4</i>
37.5°	911.0	911.0	905.6	900.3	<i>896.5</i>
40°	877.3	877.6	871.9	865.3	<i>862.2</i>
42.5°	839.5	840.1	832.6	827.2	<i>823.8</i>
45°	798.2	798.6	790.4	784.4	<i>781.6</i>
47.5°	753.5	752.9	743.8	738.7	<i>735.9</i>
50°	705.7	704.4	694.3	689.6	<i>687.1</i>
52.5°	655.6	653.1	644.3	637.3	<i>635.1</i>
55°	603.6	600.2	589.2	582.2	<i>581.6</i>
57.5°	549.5	545.4	536.3	529.6	<i>527.1</i>
60°	490.3	489.3	481.8	473.9	<i>472.0</i>
62.5°	434.9	432.0	425.4	416.0	<i>415.0</i>
65°	375.7	374.1	368.1	359.3	<i>357.4</i>
67.5°	314.6	316.1	311.1	303.2	<i>300.7</i>
70°	259.5	260.4	254.7	247.5	<i>246.6</i>
72.5°	204.0	205.6	200.9	196.2	<i>195.2</i>
75°	153.4	154.0	151.8	147.7	<i>144.5</i>
77.5°	109.0	111.2	108.6	105.8	<i>103.3</i>
80°	75.9	72.4	72.7	71.5	<i>68.6</i>
82.5°	45.7	44.1	43.8	42.5	<i>41.3</i>
85°	23.0	22.7	23.0	22.7	<i>21.4</i>
87.5°	7.6	8.2	8.5	8.5	<i>7.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







(END OF REPORT)