

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: P412648

Luminaire Tested: **14PD-35-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412648  
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-L940  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

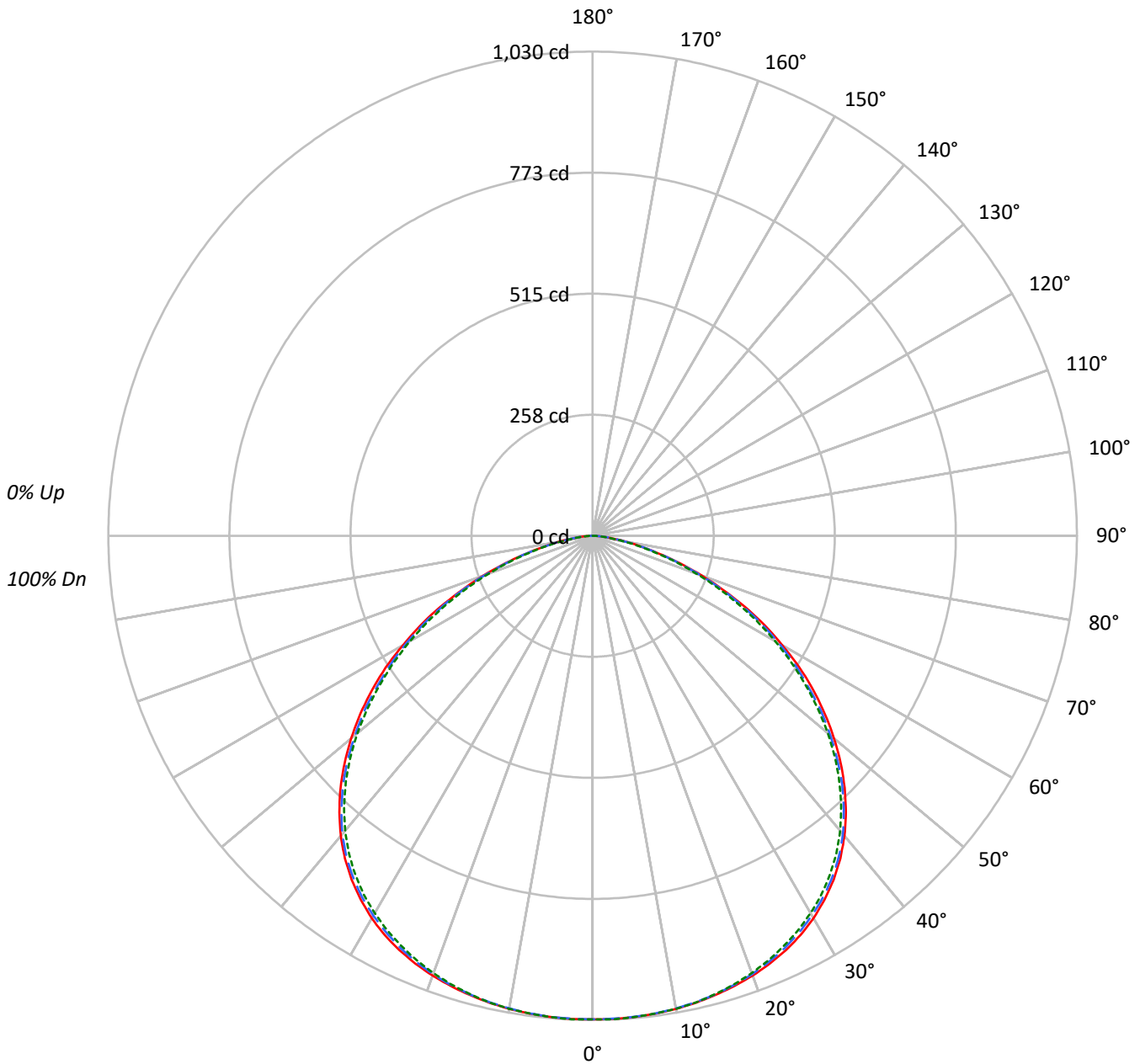
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2993.0 lumens  
Efficiency: N/A  
Efficacy: 94.1 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



0% Up  
100% Dn



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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	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°	2768	2768	2768
5°	2775	2774	2776
10°	2793	2789	2792
15°	2817	2813	2812
20°	2851	2842	2835
25°	2887	2872	2859
30°	2919	2899	2880
35°	2935	2917	2891
40°	2927	2909	2877
45°	2885	2857	2825
50°	2806	2761	2732
55°	2690	2625	2592
60°	2506	2463	2413
65°	2272	2226	2162
70°	1939	1904	1843
75°	1515	1499	1428
80°	1117	1071	1010
85°	673	673	627



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	3.3
10°-20°	285.6	9.5
20°-30°	446.3	14.9
30°-40°	554.7	18.5
40°-50°	578.0	19.3
50°-60°	501.5	16.8
60°-70°	344.9	11.5
70°-80°	155.6	5.2
80°-90°	28.5	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°	829.8	27.7
0°-40°	1384.5	46.3
0°-60°	2464.0	82.3
0°-90°	2993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2993.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1027	1028	1027	1026	1028	98
15°	1011	1011	1010	1009	1009	286
25°	972	972	967	963	963	449
35°	893	893	888	883	880	558
45°	758	758	751	745	742	584
55°	573	570	560	553	552	511
65°	357	355	350	341	340	352
75°	146	146	144	140	137	159
85°	22	22	22	22	20	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1028.6	1028.6	1028.6	1028.6	1028.6
2.5°	1028.9	1028.9	1028.3	1027.4	1029.5
5°	1027.4	1027.7	1027.1	1026.2	1027.7
7.5°	1025.3	1025.6	1024.7	1023.8	1025.0
10°	1022.0	1021.7	1020.8	1020.2	1021.7
12.5°	1017.2	1016.9	1016.0	1015.4	1016.6
15°	1011.3	1011.3	1009.8	1008.9	1009.2
17.5°	1004.1	1004.1	1002.0	999.9	1000.5
20°	995.7	995.4	992.4	990.3	990.0
22.5°	985.2	985.2	981.0	978.4	977.5
25°	972.4	972.1	967.3	963.4	962.8
27.5°	957.7	957.1	951.4	947.6	946.1
30°	939.5	938.9	932.9	928.7	926.9
32.5°	917.9	918.8	912.0	907.2	905.4
35°	893.4	893.4	888.0	882.9	880.0
37.5°	865.3	865.3	860.2	855.1	851.5
40°	833.3	833.6	828.2	821.9	818.9
42.5°	797.4	798.0	790.8	785.7	782.4
45°	758.2	758.5	750.7	745.1	742.4
47.5°	715.7	715.1	706.5	701.7	699.0
50°	670.3	669.1	659.5	655.0	652.6
52.5°	622.7	620.3	612.0	605.4	603.3
55°	573.4	570.1	559.6	553.0	552.4
57.5°	521.9	518.0	509.4	503.1	500.7
60°	465.7	464.8	457.6	450.1	448.4
62.5°	413.1	410.4	404.1	395.1	394.2
65°	356.8	355.3	349.6	341.3	339.5
67.5°	298.8	300.3	295.5	288.0	285.6
70°	246.5	247.4	242.0	235.1	234.2
72.5°	193.8	195.3	190.8	186.3	185.4
75°	145.7	146.3	144.2	140.3	137.3
77.5°	103.5	105.6	103.2	100.5	98.1
80°	72.1	68.8	69.1	67.9	65.2
82.5°	43.4	41.9	41.6	40.4	39.2
85°	21.8	21.5	21.8	21.5	20.3
87.5°	7.2	7.8	8.1	8.1	7.5
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)