

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: P412640

Luminaire Tested: **14PD-30-PP3-L950**

Issue Date: 9/15/2020



**Test Information**

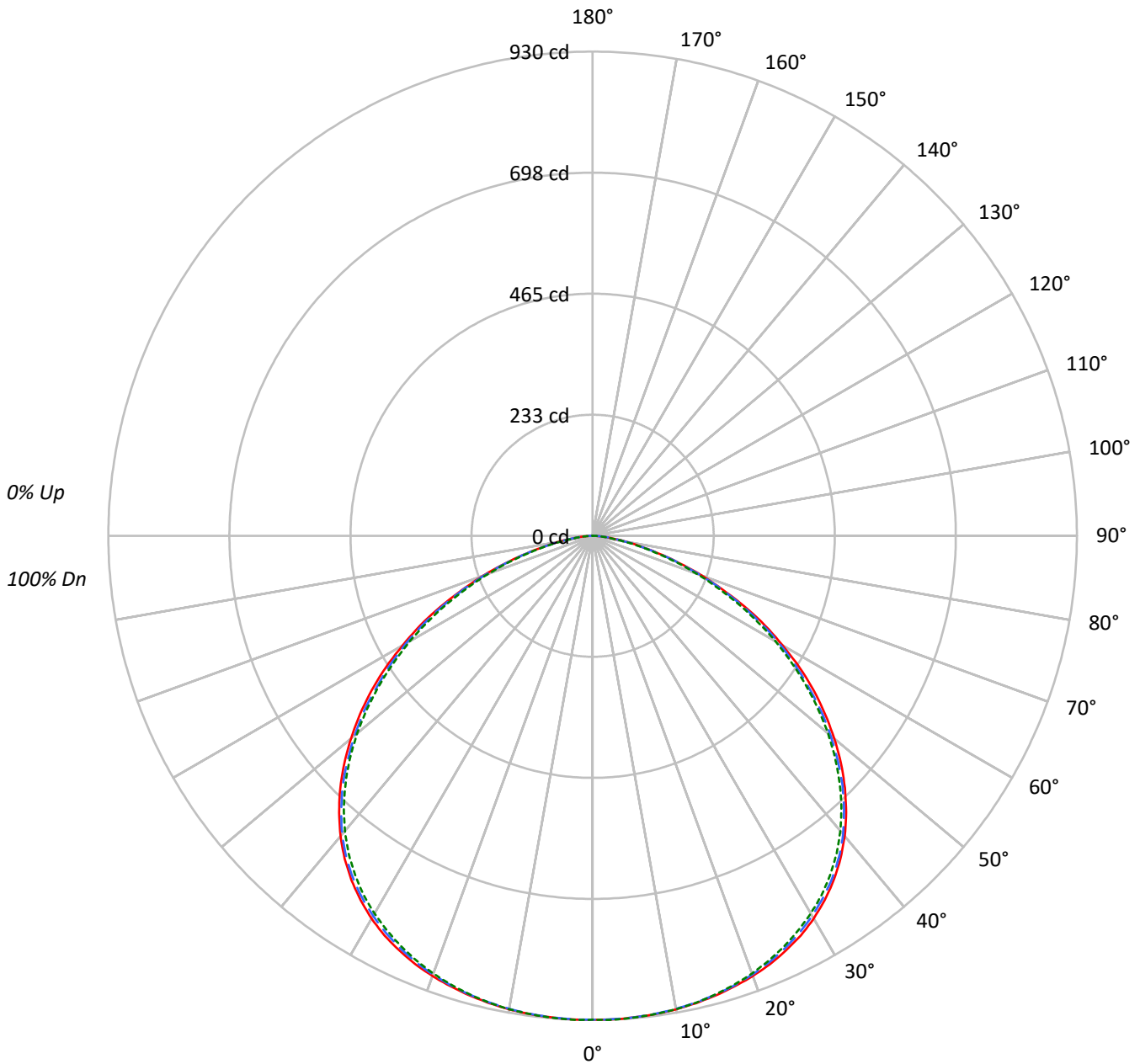
Test Method: LM-79-08  
Report Number: P412640  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PP3-L950  
Description: 3000 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: 2705.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 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): 27  
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				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				100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31				31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2502	2502	2502
5°	2508	2508	2509
10°	2524	2521	2523
15°	2546	2542	2541
20°	2577	2568	2562
25°	2609	2596	2584
30°	2638	2620	2603
35°	2652	2637	2613
40°	2646	2629	2600
45°	2608	2582	2553
50°	2536	2496	2469
55°	2431	2373	2343
60°	2265	2226	2181
65°	2053	2012	1954
70°	1752	1721	1666
75°	1368	1355	1290
80°	1009	967	913
85°	608	608	568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.4	3.3
10°-20°	258.1	9.5
20°-30°	403.4	14.9
30°-40°	501.3	18.5
40°-50°	522.4	19.3
50°-60°	453.3	16.8
60°-70°	311.7	11.5
70°-80°	140.7	5.2
80°-90°	25.8	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°	749.9	27.7
0°-40°	1251.3	46.3
0°-60°	2226.9	82.3
0°-90°	2705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	928	929	928	928	929	88
15°	914	914	913	912	912	259
25°	879	878	874	871	870	405
35°	807	807	803	798	795	505
45°	685	686	678	673	671	527
55°	518	515	506	500	499	462
65°	322	321	316	308	307	318
75°	132	132	130	127	124	143
85°	20	20	20	20	18	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	929.6	929.6	929.6	929.6	929.6
2.5°	929.9	929.9	929.4	928.5	930.4
5°	928.5	928.8	928.3	927.5	928.8
7.5°	926.7	926.9	926.1	925.3	926.4
10°	923.7	923.4	922.6	922.1	923.4
12.5°	919.4	919.1	918.3	917.7	918.8
15°	914.0	914.0	912.6	911.8	912.1
17.5°	907.5	907.5	905.6	903.7	904.2
20°	899.9	899.6	896.9	895.0	894.8
22.5°	890.4	890.4	886.6	884.2	883.4
25°	878.8	878.5	874.2	870.7	870.2
27.5°	865.6	865.0	859.9	856.4	855.0
30°	849.1	848.5	843.1	839.3	837.7
32.5°	829.6	830.4	824.2	819.9	818.3
35°	807.4	807.4	802.6	798.0	795.3
37.5°	782.0	782.0	777.4	772.8	769.6
40°	753.1	753.4	748.5	742.8	740.1
42.5°	720.7	721.2	714.7	710.1	707.2
45°	685.3	685.5	678.5	673.4	670.9
47.5°	646.9	646.3	638.5	634.2	631.7
50°	605.8	604.7	596.1	592.0	589.8
52.5°	562.8	560.6	553.1	547.1	545.2
55°	518.2	515.2	505.8	499.8	499.3
57.5°	471.7	468.2	460.4	454.7	452.5
60°	420.9	420.1	413.6	406.8	405.2
62.5°	373.3	370.9	365.2	357.1	356.3
65°	322.5	321.1	316.0	308.4	306.8
67.5°	270.0	271.4	267.1	260.3	258.2
70°	222.7	223.6	218.7	212.5	211.7
72.5°	175.2	176.5	172.5	168.4	167.6
75°	131.6	132.2	130.3	126.8	124.1
77.5°	93.5	95.4	93.3	90.8	88.7
80°	65.1	62.2	62.4	61.4	58.9
82.5°	39.2	37.8	37.6	36.5	35.4
85°	19.7	19.5	19.7	19.5	18.4
87.5°	6.5	7.0	7.3	7.3	6.8
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)