

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: P412982

Luminaire Tested: **14PD-30-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PC3-L950  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

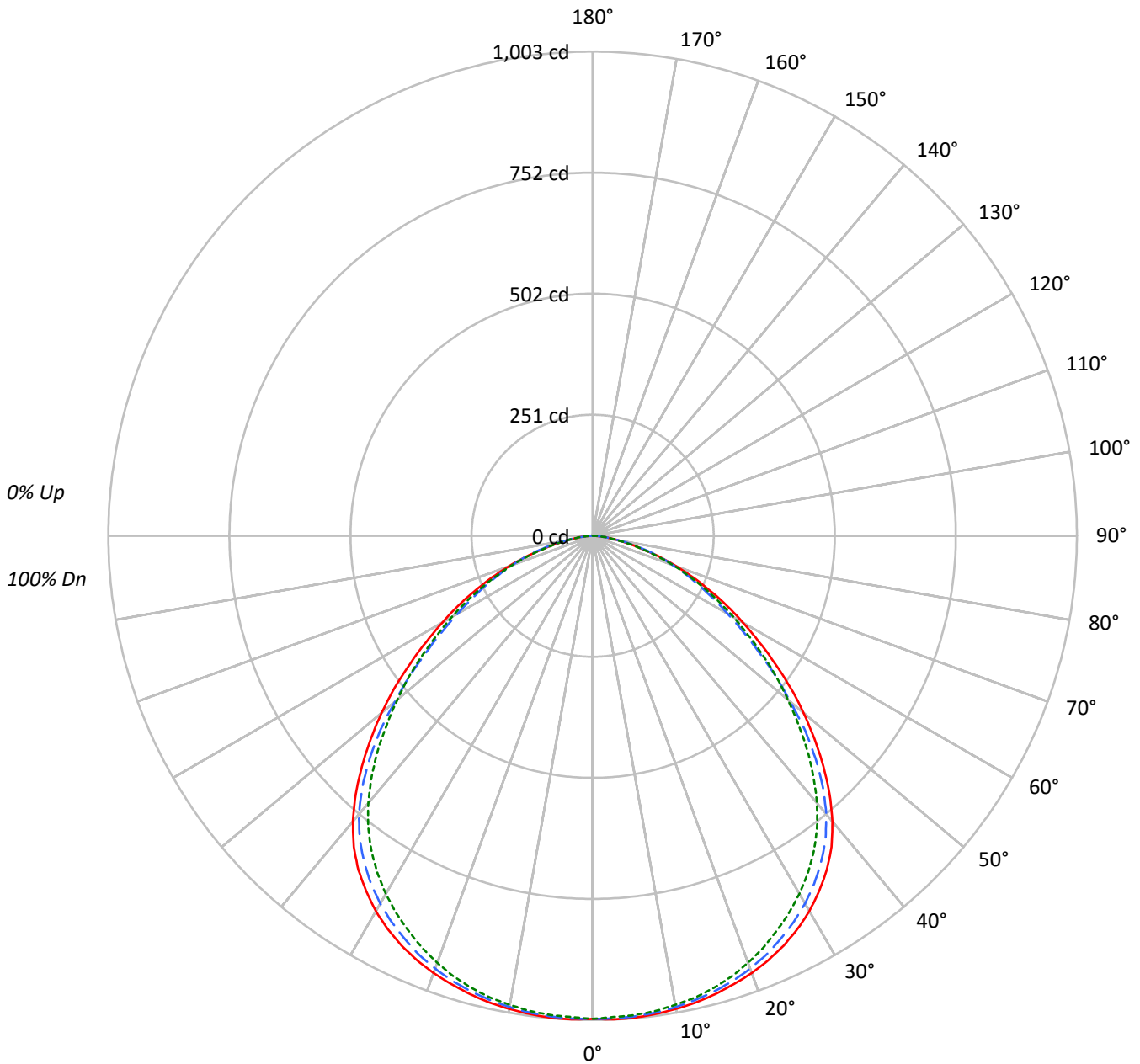
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2586.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
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

TEST NUMBER: P412982

CATALOG NUMBER: 14PD-30-PC3-L950

### 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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

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

	0°	45°	90°
0°	2693	2693	2693
5°	2707	2699	2692
10°	2720	2709	2696
15°	2738	2721	2701
20°	2760	2732	2695
25°	2780	2735	2680
30°	2790	2733	2661
35°	2777	2710	2623
40°	2714	2644	2538
45°	2573	2485	2394
50°	2388	2236	2210
55°	2162	1970	2015
60°	1934	1736	1812
65°	1706	1556	1610
70°	1452	1378	1389
75°	1116	1176	1083
80°	818	859	810
85°	546	602	590



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.1	3.7
10°-20°	275.7	10.7
20°-30°	424.0	16.4
30°-40°	513.0	19.8
40°-50°	500.8	19.4
50°-60°	387.0	15.0
60°-70°	248.5	9.6
70°-80°	117.3	4.5
80°-90°	24.6	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°	794.7	30.7
0°-40°	1307.7	50.6
0°-60°	2195.6	84.9
0°-90°	2586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2586.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	1002	998	999	998	997	95
15°	983	978	977	973	970	278
25°	936	929	921	909	903	432
35°	845	836	825	806	798	527
45°	676	668	653	636	629	520
55°	461	439	420	420	429	413
65°	268	252	244	242	253	267
75°	107	109	113	104	104	118
85°	18	20	20	19	19	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1002.9	998.9	1001.1	1001.1	998.0
5°	1002.0	997.6	999.3	998.4	996.7
7.5°	999.3	994.9	996.2	995.3	993.1
10°	995.3	990.5	991.4	989.6	986.5
12.5°	990.0	985.6	984.7	982.0	979.8
15°	982.9	978.0	976.7	973.2	969.6
17.5°	973.6	968.7	966.5	961.2	957.2
20°	963.9	958.1	954.1	946.1	941.2
22.5°	951.4	944.8	939.5	928.4	923.5
25°	936.4	928.8	921.3	909.3	902.6
27.5°	918.6	910.6	901.8	888.4	880.9
30°	897.8	889.8	879.6	864.5	856.5
32.5°	872.9	864.9	854.3	837.0	829.0
35°	845.4	836.5	825.0	806.4	798.4
37.5°	812.6	802.8	792.2	771.8	763.4
40°	772.7	764.2	752.7	732.3	722.6
42.5°	726.5	719.0	706.1	686.6	677.3
45°	676.0	667.6	652.9	636.1	629.0
47.5°	623.2	610.8	596.6	581.9	578.0
50°	570.4	554.4	534.0	526.5	527.8
52.5°	516.3	495.9	478.2	472.4	479.0
55°	460.9	438.7	420.0	420.5	429.4
57.5°	408.1	385.0	369.5	369.5	381.0
60°	359.3	338.0	322.5	322.0	336.7
62.5°	314.0	292.3	280.8	280.8	294.1
65°	267.9	251.9	244.4	241.7	252.8
67.5°	225.3	214.2	208.9	205.8	212.9
70°	184.5	177.4	175.2	171.7	176.5
72.5°	144.2	142.4	146.8	138.4	140.6
75°	107.3	109.1	113.1	103.8	104.2
77.5°	77.2	80.7	82.1	77.6	77.6
80°	52.8	57.2	55.4	53.2	52.3
82.5°	33.7	35.9	35.9	34.6	33.7
85°	17.7	20.4	19.5	19.1	19.1
87.5°	6.7	9.3	9.3	8.9	8.4
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)