

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: P412632

Luminaire Tested: **14PD-30-PP3-L830**

Issue Date: 9/15/2020



**Test Information**

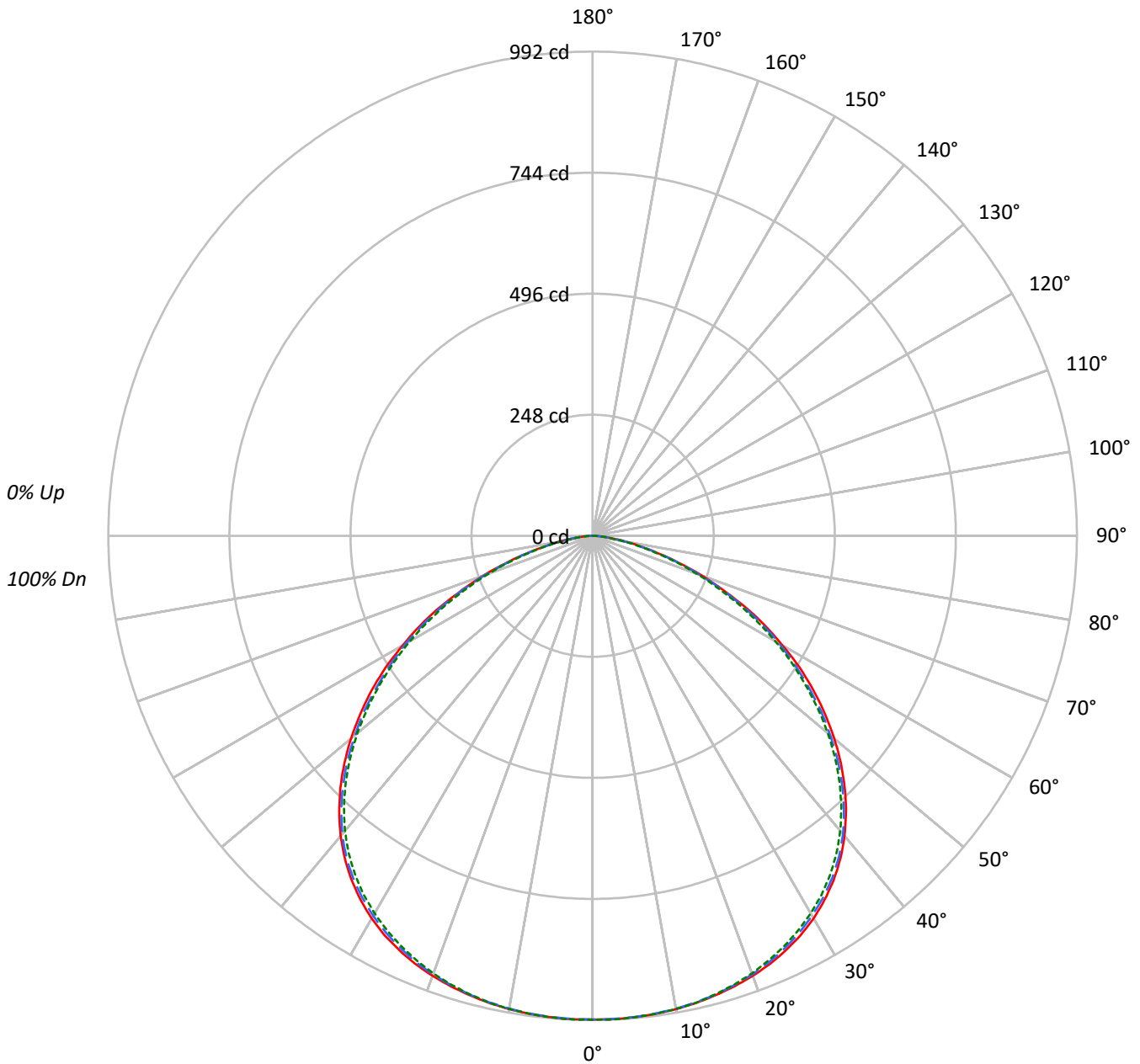
Test Method: LM-79-08  
Report Number: P412632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PP3-L830  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2884.0 lumens  
Efficiency: N/A  
Efficacy: 106.8 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				
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°	2667	2667	2667
5°	2674	2673	2675
10°	2691	2688	2690
15°	2715	2711	2709
20°	2747	2739	2732
25°	2782	2768	2754
30°	2813	2793	2775
35°	2828	2811	2785
40°	2820	2803	2772
45°	2780	2753	2722
50°	2704	2660	2633
55°	2592	2530	2497
60°	2415	2373	2325
65°	2189	2145	2083
70°	1869	1835	1776
75°	1460	1444	1376
80°	1077	1032	973
85°	648	648	605



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.3	3.3
10°-20°	275.2	9.5
20°-30°	430.1	14.9
30°-40°	534.5	18.5
40°-50°	556.9	19.3
50°-60°	483.3	16.8
60°-70°	332.3	11.5
70°-80°	150.0	5.2
80°-90°	27.5	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°	799.6	27.7
0°-40°	1334.1	46.3
0°-60°	2374.3	82.3
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	990	990	990	989	990	94
15°	974	974	973	972	972	276
25°	937	937	932	928	928	432
35°	861	861	856	851	848	538
45°	731	731	723	718	715	562
55°	552	549	539	533	532	492
65°	344	342	337	329	327	339
75°	140	141	139	135	132	153
85°	21	21	21	21	20	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	991.1	991.1	991.1	991.1	991.1
2.5°	991.4	991.4	990.9	990.0	992.0
5°	990.0	990.3	989.7	988.8	990.3
7.5°	988.0	988.3	987.4	986.5	987.7
10°	984.8	984.5	983.7	983.1	984.5
12.5°	980.2	979.9	979.0	978.5	979.6
15°	974.4	974.4	973.0	972.1	972.4
17.5°	967.5	967.5	965.5	963.5	964.1
20°	959.4	959.2	956.3	954.3	954.0
22.5°	949.4	949.4	945.3	942.7	941.9
25°	937.0	936.7	932.1	928.3	927.7
27.5°	922.8	922.3	916.8	913.0	911.6
30°	905.3	904.7	898.9	894.9	893.2
32.5°	884.5	885.4	878.7	874.1	872.4
35°	860.9	860.9	855.7	850.8	847.9
37.5°	833.8	833.8	828.9	824.0	820.5
40°	802.9	803.2	798.0	792.0	789.1
42.5°	768.4	768.9	762.0	757.1	754.0
45°	730.6	730.9	723.4	717.9	715.3
47.5°	689.7	689.1	680.7	676.1	673.5
50°	645.9	644.7	635.5	631.2	628.9
52.5°	600.0	597.7	589.7	583.3	581.3
55°	552.5	549.3	539.2	532.9	532.3
57.5°	502.9	499.2	490.8	484.8	482.5
60°	448.7	447.9	441.0	433.8	432.0
62.5°	398.0	395.4	389.4	380.7	379.9
65°	343.8	342.4	336.9	328.8	327.1
67.5°	287.9	289.4	284.7	277.5	275.2
70°	237.5	238.3	233.2	226.5	225.7
72.5°	186.8	188.2	183.9	179.6	178.7
75°	140.4	140.9	138.9	135.2	132.3
77.5°	99.7	101.7	99.4	96.8	94.5
80°	69.5	66.3	66.6	65.4	62.8
82.5°	41.8	40.3	40.1	38.9	37.8
85°	21.0	20.8	21.0	20.8	19.6
87.5°	6.9	7.5	7.8	7.8	7.2
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)