

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: P505872

Luminaire Tested: **14PD-30-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PR1-L830  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

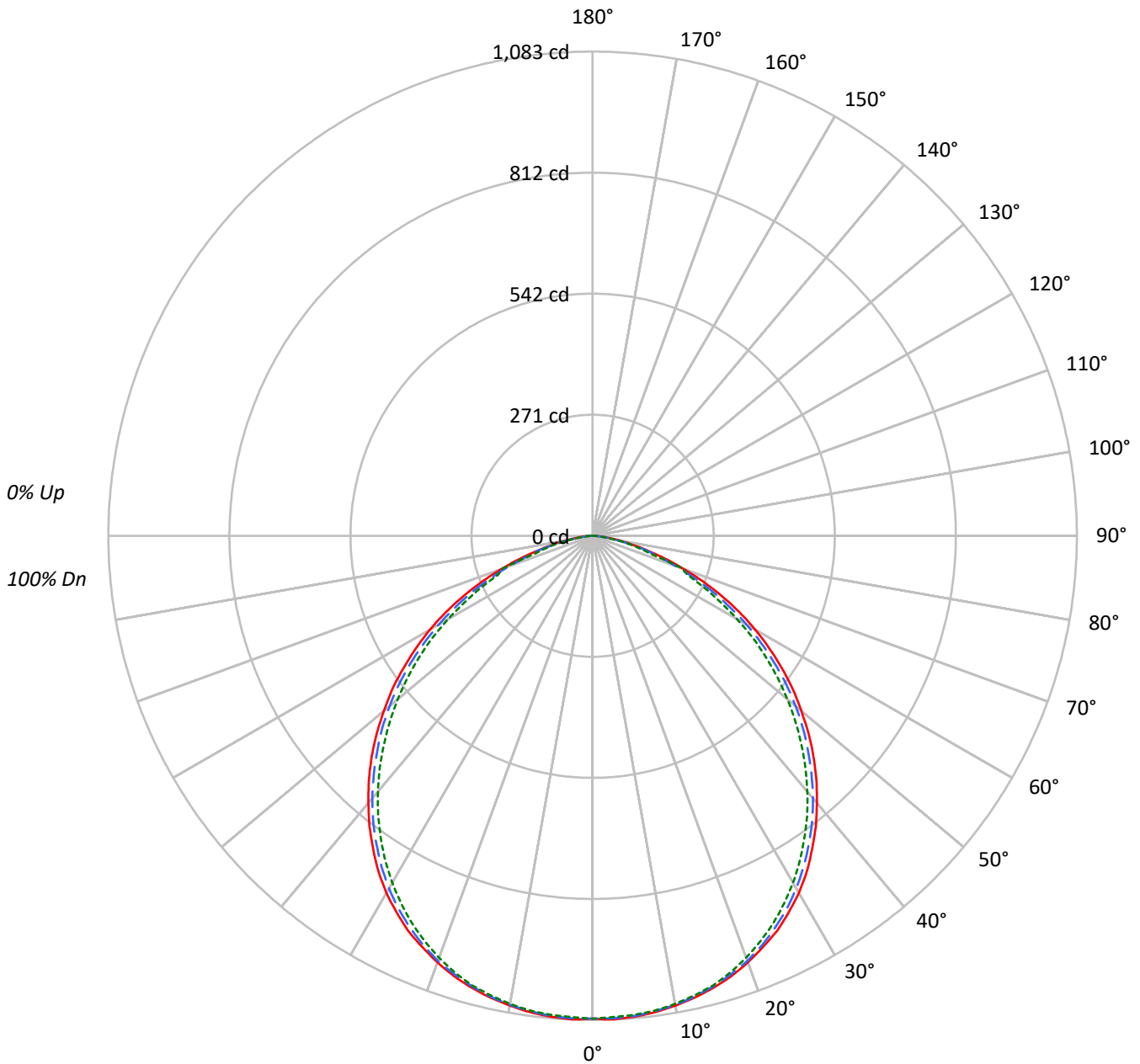
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2780.0 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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									
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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	2907	2907	2907
5°	2917	2912	2905
10°	2917	2911	2905
15°	2915	2907	2901
20°	2908	2897	2876
25°	2896	2871	2839
30°	2866	2829	2785
35°	2810	2768	2712
40°	2740	2693	2624
45°	2659	2594	2512
50°	2549	2482	2381
55°	2425	2329	2219
60°	2258	2139	2007
65°	2027	1884	1761
70°	1705	1553	1680
75°	1313	1263	1134
80°	945	846	804
85°	577	497	445



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	3.7
10°-20°	294.2	10.6
20°-30°	444.3	16.0
30°-40°	525.7	18.9
40°-50°	524.1	18.9
50°-60°	442.8	15.9
60°-70°	295.0	10.6
70°-80°	128.2	4.6
80°-90°	23.3	0.8
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°	840.9	30.2
0°-40°	1366.6	49.2
0°-60°	2333.5	83.9
0°-90°	2780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2780.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1080	1075	1078	1077	1075	103
15°	1046	1042	1043	1042	1041	295
25°	975	969	967	958	956	449
35°	856	850	843	831	826	535
45°	699	692	682	667	660	538
55°	517	513	496	480	473	461
65°	318	315	296	283	277	315
75°	126	124	122	117	109	138
85°	19	19	16	15	14	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1080.2	1080.2	1080.2	1080.2	1080.2
2.5°	1082.9	1078.1	1080.2	1080.2	1077.6
5°	1079.7	1075.4	1078.1	1077.0	1075.4
7.5°	1074.9	1070.6	1072.2	1071.7	1071.1
10°	1067.4	1063.1	1065.3	1064.2	1063.1
12.5°	1057.8	1053.5	1055.6	1054.0	1052.9
15°	1046.5	1041.7	1043.3	1041.7	1041.2
17.5°	1032.6	1027.8	1028.3	1026.2	1024.1
20°	1015.5	1011.2	1011.7	1006.4	1004.3
22.5°	995.7	991.4	990.9	983.9	981.3
25°	975.4	968.9	966.8	958.2	956.1
27.5°	949.7	943.8	940.6	931.5	927.2
30°	922.4	916.0	910.6	900.5	896.2
32.5°	891.4	884.9	878.0	867.3	862.5
35°	855.5	849.6	842.7	831.4	825.6
37.5°	819.7	813.3	806.3	792.9	788.1
40°	780.1	774.2	766.7	752.3	746.9
42.5°	740.5	733.5	724.4	710.5	704.6
45°	698.8	692.3	681.6	667.2	660.2
47.5°	654.9	649.5	638.3	622.8	615.3
50°	608.9	604.6	592.8	575.7	568.7
52.5°	565.0	559.1	545.7	528.6	521.1
55°	516.8	513.1	496.5	480.5	473.0
57.5°	468.7	463.9	447.3	431.2	424.3
60°	419.5	415.2	397.5	381.5	372.9
62.5°	369.7	364.9	346.2	331.7	323.7
65°	318.3	314.6	295.9	283.0	276.6
67.5°	267.0	264.3	244.5	233.8	229.0
70°	216.7	212.9	197.4	193.1	213.5
72.5°	170.1	165.3	151.9	145.0	139.6
75°	126.3	123.6	121.5	117.2	109.1
77.5°	88.8	88.3	80.8	74.9	80.8
80°	61.0	63.1	54.6	49.8	51.9
82.5°	37.5	41.7	32.6	28.9	27.8
85°	18.7	19.3	16.1	15.0	14.4
87.5°	7.0	8.0	7.0	5.9	5.9
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)