

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: P505863

Luminaire Tested: **14PD-30-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505863  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PL1-L830  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

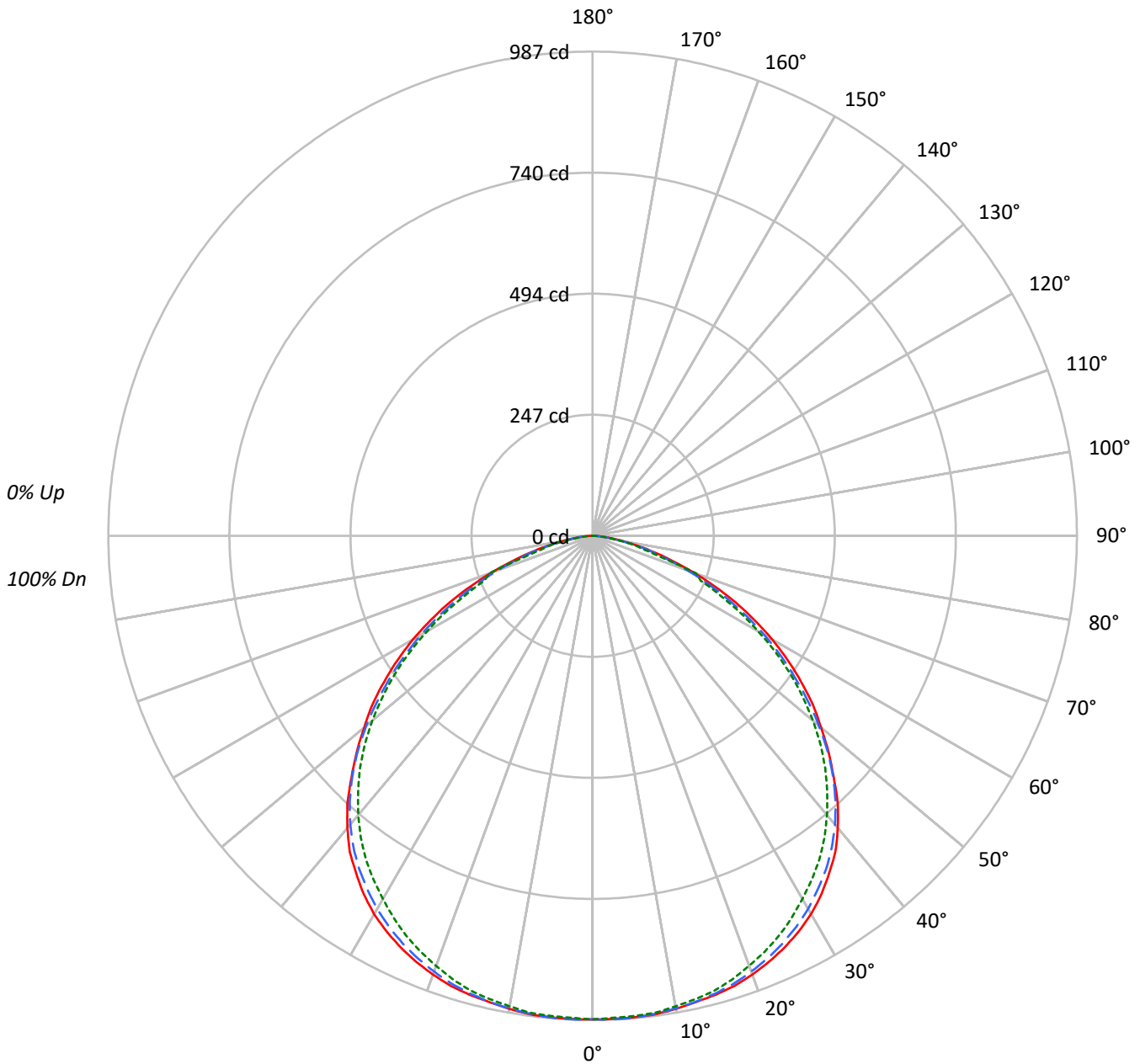
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2740.2 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
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: P505863

CATALOG NUMBER: 14PD-30-PL1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P505863

CATALOG NUMBER: 14PD-30-PL1-L830

**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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2653	2653	2653
5°	2662	2663	2655
10°	2676	2673	2661
15°	2698	2691	2674
20°	2726	2707	2672
25°	2749	2722	2670
30°	2767	2729	2656
35°	2760	2725	2646
40°	2731	2699	2609
45°	2643	2635	2551
50°	2543	2521	2452
55°	2434	2362	2309
60°	2273	2171	2098
65°	2048	1920	1817
70°	1713	1606	1763
75°	1351	1301	1126
80°	973	865	880
85°	618	519	485



TEST NUMBER: P505863

CATALOG NUMBER: 14PD-30-PL1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	3.4
10°-20°	272.5	9.9
20°-30°	421.3	15.4
30°-40°	515.6	18.8
40°-50°	528.6	19.3
50°-60°	450.2	16.4
60°-70°	300.8	11.0
70°-80°	133.3	4.9
80°-90°	24.1	0.9
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°	787.5	28.7
0°-40°	1303.1	47.6
0°-60°	2281.9	83.3
0°-90°	2740.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	985	983	986	985	983	94
15°	969	965	966	963	960	274
25°	926	923	917	905	899	427
35°	840	838	830	811	806	525
45°	695	697	692	677	670	536
55°	519	516	504	493	492	463
65°	322	319	302	288	285	317
75°	130	132	125	126	108	141
85°	20	20	17	16	16	27
90°	0	0	0	0	0	



TEST NUMBER: P505863

CATALOG NUMBER: 14PD-30-PL1-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	985.9	985.9	985.9	985.9	985.9
2.5°	985.9	984.3	987.0	988.1	983.2
5°	985.4	983.2	985.9	985.4	982.7
7.5°	983.8	980.0	982.7	981.6	980.5
10°	979.4	976.2	978.3	976.7	974.0
12.5°	973.5	971.3	972.9	971.3	967.5
15°	968.6	965.4	965.9	963.2	959.9
17.5°	962.1	957.2	957.2	951.8	948.0
20°	951.8	947.5	945.3	937.7	932.9
22.5°	939.9	936.7	932.3	922.6	917.2
25°	925.8	922.6	916.6	904.7	899.3
27.5°	909.6	905.3	898.8	884.7	878.2
30°	890.6	885.2	878.2	862.5	854.9
32.5°	867.4	863.6	854.4	838.1	831.1
35°	840.3	838.1	829.5	811.0	805.6
37.5°	812.7	808.3	800.8	781.3	775.9
40°	777.5	774.8	768.3	749.3	742.8
42.5°	739.6	738.0	732.5	714.7	707.6
45°	694.6	696.8	692.5	676.8	670.3
47.5°	651.9	650.8	649.2	635.1	629.7
50°	607.5	605.3	602.1	590.7	585.8
52.5°	565.8	561.5	552.8	543.0	539.8
55°	518.7	516.0	503.5	493.2	492.2
57.5°	471.0	469.4	454.3	442.3	442.3
60°	422.3	420.1	403.4	390.9	389.8
62.5°	371.4	369.8	352.5	338.4	338.9
65°	321.6	318.9	301.6	288.0	285.3
67.5°	269.6	268.5	251.8	239.3	238.2
70°	217.7	217.7	204.1	193.3	224.1
72.5°	171.6	170.0	159.2	154.3	147.3
75°	129.9	131.6	125.1	125.6	108.3
77.5°	92.6	89.9	87.2	81.2	86.1
80°	62.8	61.2	55.8	54.1	56.8
82.5°	39.0	39.5	34.7	31.4	30.9
85°	20.0	19.5	16.8	16.2	15.7
87.5°	7.6	8.1	7.0	6.5	6.0
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)