

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: P506214

Luminaire Tested: **22PD-30-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PL1-L830  
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

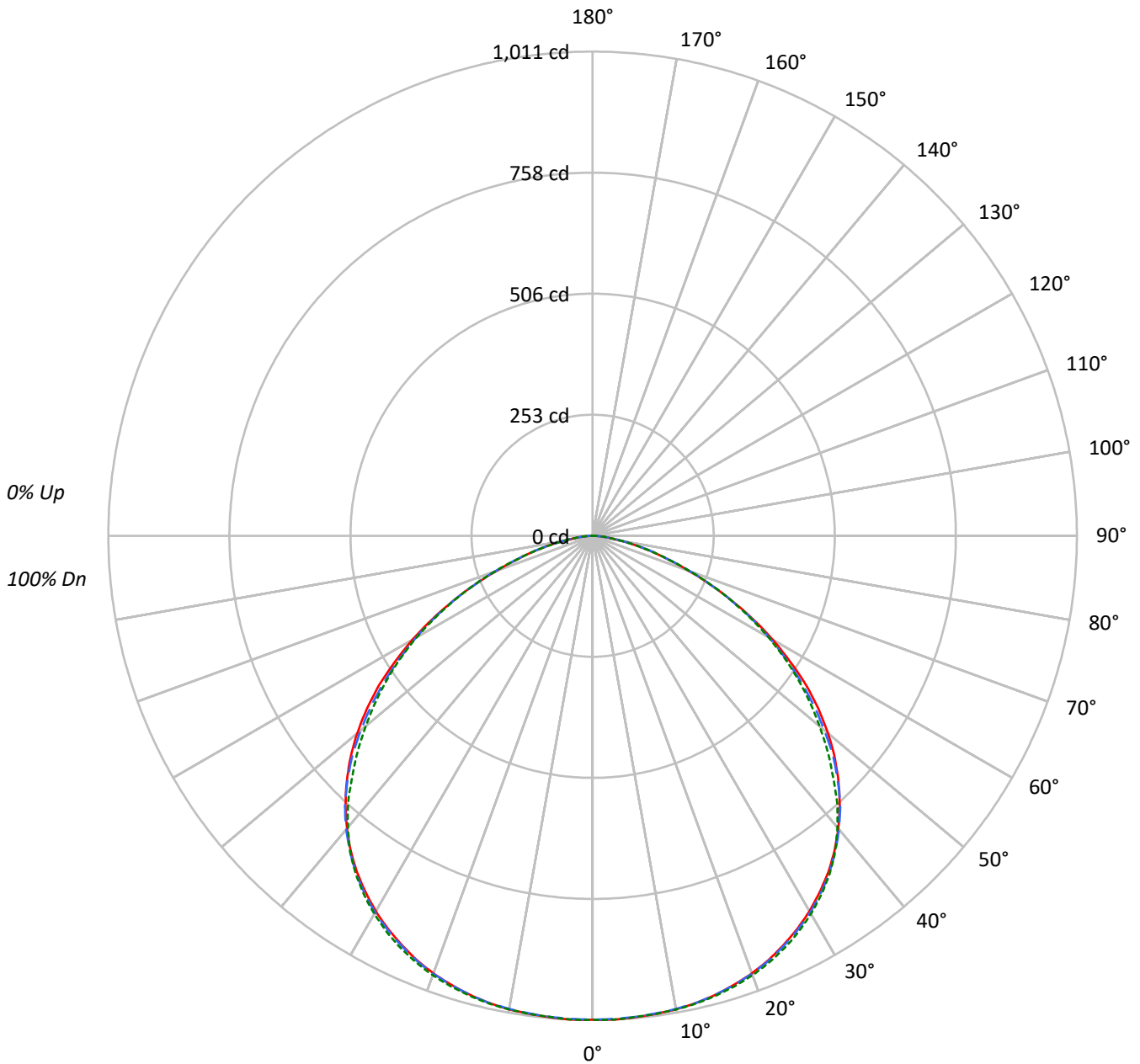
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2862.6 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 24.6  
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: P506214

CATALOG NUMBER: 22PD-30-PL1-L830

### 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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2720	2720	2720
5°	2727	2724	2725
10°	2744	2741	2744
15°	2764	2764	2770
20°	2784	2787	2796
25°	2799	2805	2819
30°	2813	2822	2833
35°	2817	2827	2832
40°	2803	2810	2793
45°	2762	2755	2699
50°	2685	2643	2589
55°	2555	2489	2461
60°	2338	2294	2281
65°	2039	2035	2028
70°	1671	1699	1694
75°	1325	1346	1325
80°	970	965	959
85°	648	636	682



TEST NUMBER: P506214

CATALOG NUMBER: 22PD-30-PL1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	3.4
10°-20°	280.4	9.8
20°-30°	435.9	15.2
30°-40°	537.3	18.8
40°-50°	555.0	19.4
50°-60°	474.9	16.6
60°-70°	317.0	11.1
70°-80°	139.1	4.9
80°-90°	26.9	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°	812.4	28.4
0°-40°	1349.7	47.2
0°-60°	2379.6	83.1
0°-90°	2862.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1010	1008	1008	1008	1009	96
15°	992	991	992	993	994	280
25°	943	943	945	948	949	435
35°	858	858	860	862	862	536
45°	726	726	724	717	709	559
55°	544	538	531	528	524	484
65°	320	320	320	321	318	318
75°	127	126	130	129	127	138
85°	21	21	21	21	22	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1010.6	1010.6	1010.6	1010.6	1010.6
2.5°	1011.3	1009.9	1009.6	1009.6	1011.3
5°	1009.6	1008.1	1008.5	1007.8	1008.8
7.5°	1007.1	1005.6	1006.0	1005.6	1007.1
10°	1004.2	1002.8	1003.2	1002.8	1004.2
12.5°	999.2	998.2	998.9	999.2	1000.3
15°	992.1	991.1	992.1	992.8	994.3
17.5°	982.9	982.2	983.2	984.3	986.1
20°	972.2	971.5	973.3	974.3	976.5
22.5°	959.0	958.3	960.1	962.6	964.0
25°	942.7	942.7	944.8	947.6	949.4
27.5°	925.2	924.9	927.4	930.2	932.0
30°	905.3	904.6	908.1	910.6	911.7
32.5°	882.2	882.5	885.7	888.2	888.6
35°	857.6	857.6	860.5	862.2	862.2
37.5°	829.5	829.1	832.0	832.7	831.6
40°	797.8	798.2	800.0	799.6	795.0
42.5°	763.7	764.0	765.4	760.5	755.8
45°	725.9	725.6	723.8	717.0	709.2
47.5°	685.7	684.0	681.1	670.8	665.1
50°	641.3	638.4	631.3	623.1	618.5
52.5°	594.3	589.3	582.2	575.8	571.9
55°	544.5	537.7	530.6	527.7	524.5
57.5°	488.9	484.7	478.6	477.2	475.1
60°	434.5	429.9	426.3	426.3	423.8
62.5°	377.6	374.7	373.3	374.0	371.5
65°	320.3	319.6	319.6	320.6	318.5
67.5°	264.8	266.2	265.8	269.4	266.5
70°	212.4	214.9	216.0	219.6	215.3
72.5°	167.3	167.6	169.0	170.1	168.0
75°	127.4	126.3	129.5	128.8	127.4
77.5°	92.2	91.5	92.5	93.2	91.5
80°	62.6	61.9	62.3	63.3	61.9
82.5°	39.5	38.8	38.8	39.9	39.5
85°	21.0	20.6	20.6	21.4	22.1
87.5°	7.5	7.1	7.5	7.5	7.5
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)