

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: P506232

Luminaire Tested: **22PD-30-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

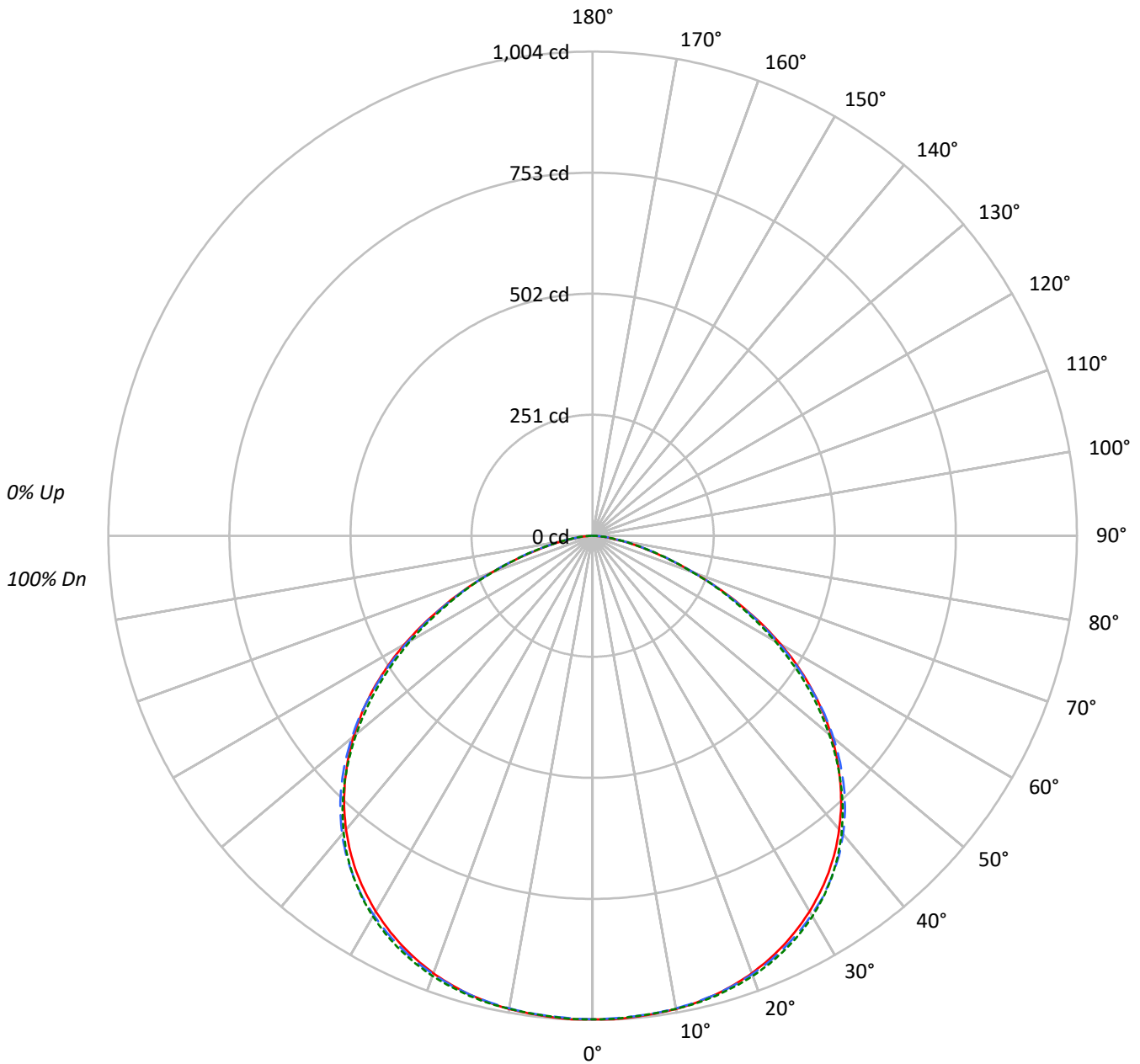
Test Method: LM-79-08  
Report Number: P506232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PW1-L830  
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2898.3 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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

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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	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
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°	2698	2698	2698
5°	2706	2702	2703
10°	2723	2719	2722
15°	2744	2743	2751
20°	2765	2771	2782
25°	2781	2797	2810
30°	2795	2822	2832
35°	2802	2838	2839
40°	2793	2839	2822
45°	2766	2805	2771
50°	2709	2729	2679
55°	2604	2593	2544
60°	2424	2397	2347
65°	2138	2117	2076
70°	1751	1759	1723
75°	1327	1371	1360
80°	961	1000	982
85°	630	651	698



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	3.3
10°-20°	278.5	9.6
20°-30°	434.1	15.0
30°-40°	538.1	18.6
40°-50°	563.1	19.4
50°-60°	490.7	16.9
60°-70°	328.7	11.3
70°-80°	142.5	4.9
80°-90°	27.4	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°	808.0	27.9
0°-40°	1346.0	46.4
0°-60°	2399.8	82.8
0°-90°	2898.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2898.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	1002	1000	1000	1000	1000	95
15°	985	984	985	986	988	278
25°	937	937	942	945	946	432
35°	853	856	864	865	864	533
45°	727	731	737	731	728	560
55°	555	555	553	546	542	494
65°	336	334	332	329	326	332
75°	128	130	132	131	131	141
85°	20	22	21	22	23	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1002.7	1002.7	1002.7	1002.7	1002.7
2.5°	1003.7	1001.9	1001.6	1001.6	1002.7
5°	1001.6	1000.5	1000.2	999.8	1000.5
7.5°	999.4	998.0	998.4	997.6	998.4
10°	996.6	995.1	995.1	995.1	996.2
12.5°	991.6	990.5	990.8	991.6	993.0
15°	985.1	983.7	984.7	985.8	987.6
17.5°	976.1	975.1	976.9	978.7	980.1
20°	965.4	964.3	967.5	970.1	971.5
22.5°	952.1	951.8	956.1	958.9	960.0
25°	936.7	937.1	942.1	945.0	946.4
27.5°	919.2	919.9	926.3	928.8	930.3
30°	899.5	901.2	908.1	910.2	911.3
32.5°	877.2	879.7	888.0	889.4	889.4
35°	852.9	856.1	864.0	865.1	864.3
37.5°	825.6	829.2	838.2	836.7	835.7
40°	795.2	799.1	808.1	805.2	803.4
42.5°	762.6	766.5	774.4	770.1	767.6
45°	726.7	730.7	737.1	731.0	728.2
47.5°	688.0	692.7	695.9	689.1	685.5
50°	647.2	648.6	651.8	644.0	640.0
52.5°	602.7	602.7	605.3	596.7	592.0
55°	555.1	554.7	552.6	546.5	542.2
57.5°	504.6	502.4	501.0	494.5	489.5
60°	450.4	447.2	445.4	440.1	436.1
62.5°	393.8	392.0	389.9	385.6	381.3
65°	335.8	334.0	332.5	329.3	326.1
67.5°	278.1	277.0	277.0	274.9	274.5
70°	222.5	223.3	223.6	223.6	219.0
72.5°	172.4	172.7	174.5	173.1	172.7
75°	127.6	129.7	131.9	130.8	130.8
77.5°	91.7	95.0	95.0	94.2	93.2
80°	62.0	63.4	64.5	64.1	63.4
82.5°	39.4	40.5	39.4	40.1	40.5
85°	20.4	21.9	21.1	21.5	22.6
87.5°	6.8	7.5	7.9	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)