

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: P506487

Luminaire Tested: **22PD-80-PL1-L850**

Issue Date: 3/26/2021



**Test Information**

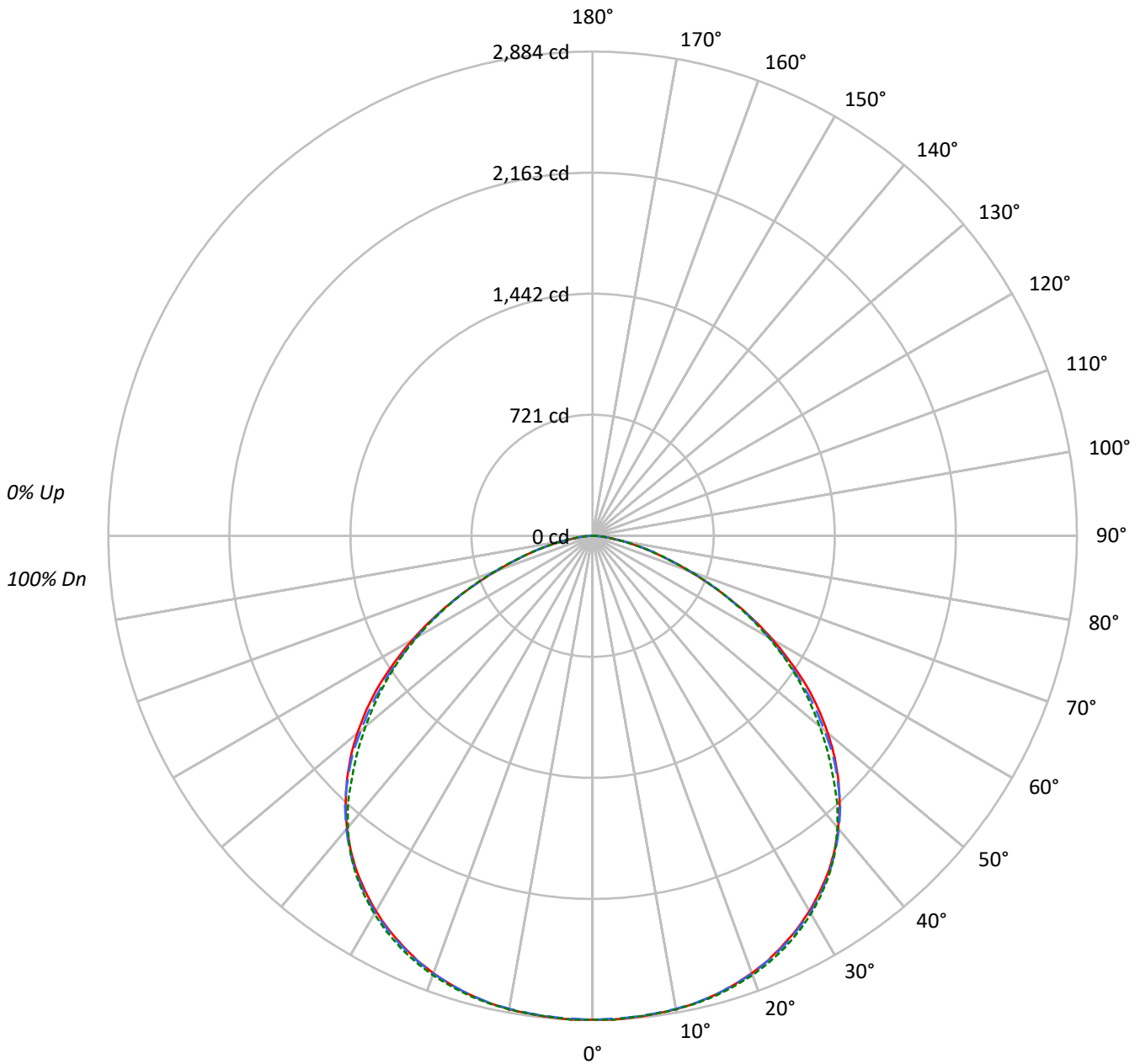
Test Method: LM-79-08  
Report Number: P506487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PL1-L850  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8163.9 lumens  
Efficiency: N/A  
Efficacy: 111.2 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): 73.4  
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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CATALOG NUMBER: 22PD-80-PL1-L850

### 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°	7756	7756	7756
5°	7777	7769	7772
10°	7826	7817	7826
15°	7883	7883	7900
20°	7940	7949	7975
25°	7982	8000	8040
30°	8023	8048	8079
35°	8035	8062	8078
40°	7993	8014	7964
45°	7879	7856	7698
50°	7656	7537	7384
55°	7285	7099	7018
60°	6669	6543	6505
65°	5816	5803	5784
70°	4767	4847	4831
75°	3777	3841	3777
80°	2768	2752	2737
85°	1849	1819	1942



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.1	3.4
10°-20°	799.7	9.8
20°-30°	1243.1	15.2
30°-40°	1532.4	18.8
40°-50°	1582.9	19.4
50°-60°	1354.4	16.6
60°-70°	903.9	11.1
70°-80°	396.7	4.9
80°-90°	76.7	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°	2316.9	28.4
0°-40°	3849.3	47.2
0°-60°	6786.6	83.1
0°-90°	8163.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8163.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2882	2882	2882	2882	2882	
5°	2879	2875	2876	2874	2877	274
15°	2830	2826	2830	2832	2836	800
25°	2688	2688	2694	2703	2708	1240
35°	2446	2446	2454	2459	2459	1528
45°	2070	2069	2064	2045	2023	1594
55°	1553	1534	1513	1505	1496	1380
65°	913	911	911	914	908	906
75°	363	360	369	367	363	394
85°	60	59	59	61	63	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2882.3	2882.3	2882.3	2882.3	2882.3
2.5°	2884.3	2880.2	2879.2	2879.2	2884.3
5°	2879.2	2875.2	2876.2	2874.1	2877.2
7.5°	2872.1	2868.0	2869.1	2868.0	2872.1
10°	2864.0	2859.9	2860.9	2859.9	2864.0
12.5°	2849.8	2846.7	2848.8	2849.8	2852.8
15°	2829.5	2826.4	2829.5	2831.5	2835.6
17.5°	2803.1	2801.1	2804.1	2807.2	2812.2
20°	2772.6	2770.6	2775.7	2778.7	2784.8
22.5°	2735.1	2733.1	2738.1	2745.2	2749.3
25°	2688.4	2688.4	2694.5	2702.6	2707.7
27.5°	2638.7	2637.7	2644.8	2652.9	2658.0
30°	2581.9	2579.8	2590.0	2597.1	2600.1
32.5°	2515.9	2516.9	2526.0	2533.1	2534.2
35°	2445.9	2445.9	2454.0	2459.1	2459.1
37.5°	2365.7	2364.7	2372.8	2374.8	2371.8
40°	2275.4	2276.4	2281.4	2280.4	2267.2
42.5°	2177.9	2178.9	2183.0	2168.8	2155.6
45°	2070.4	2069.3	2064.3	2045.0	2022.7
47.5°	1955.7	1950.6	1942.5	1913.0	1896.8
50°	1828.8	1820.7	1800.4	1777.1	1763.9
52.5°	1694.8	1680.6	1660.3	1642.1	1630.9
55°	1552.8	1533.5	1513.2	1505.1	1495.9
57.5°	1394.4	1382.3	1365.0	1361.0	1354.9
60°	1239.2	1226.0	1215.8	1215.8	1208.7
62.5°	1076.8	1068.7	1064.6	1066.6	1059.5
65°	913.4	911.4	911.4	914.4	908.3
67.5°	755.1	759.1	758.1	768.3	760.1
70°	605.9	613.0	616.0	626.2	614.0
72.5°	477.0	478.0	482.1	485.1	479.0
75°	363.3	360.3	369.4	367.4	363.3
77.5°	262.9	260.8	263.9	265.9	260.8
80°	178.6	176.6	177.6	180.6	176.6
82.5°	112.7	110.6	110.6	113.7	112.7
85°	59.9	58.9	58.9	60.9	62.9
87.5°	21.3	20.3	21.3	21.3	21.3
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)