

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: P506496

Luminaire Tested: **22PD-80-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PR1-L850  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

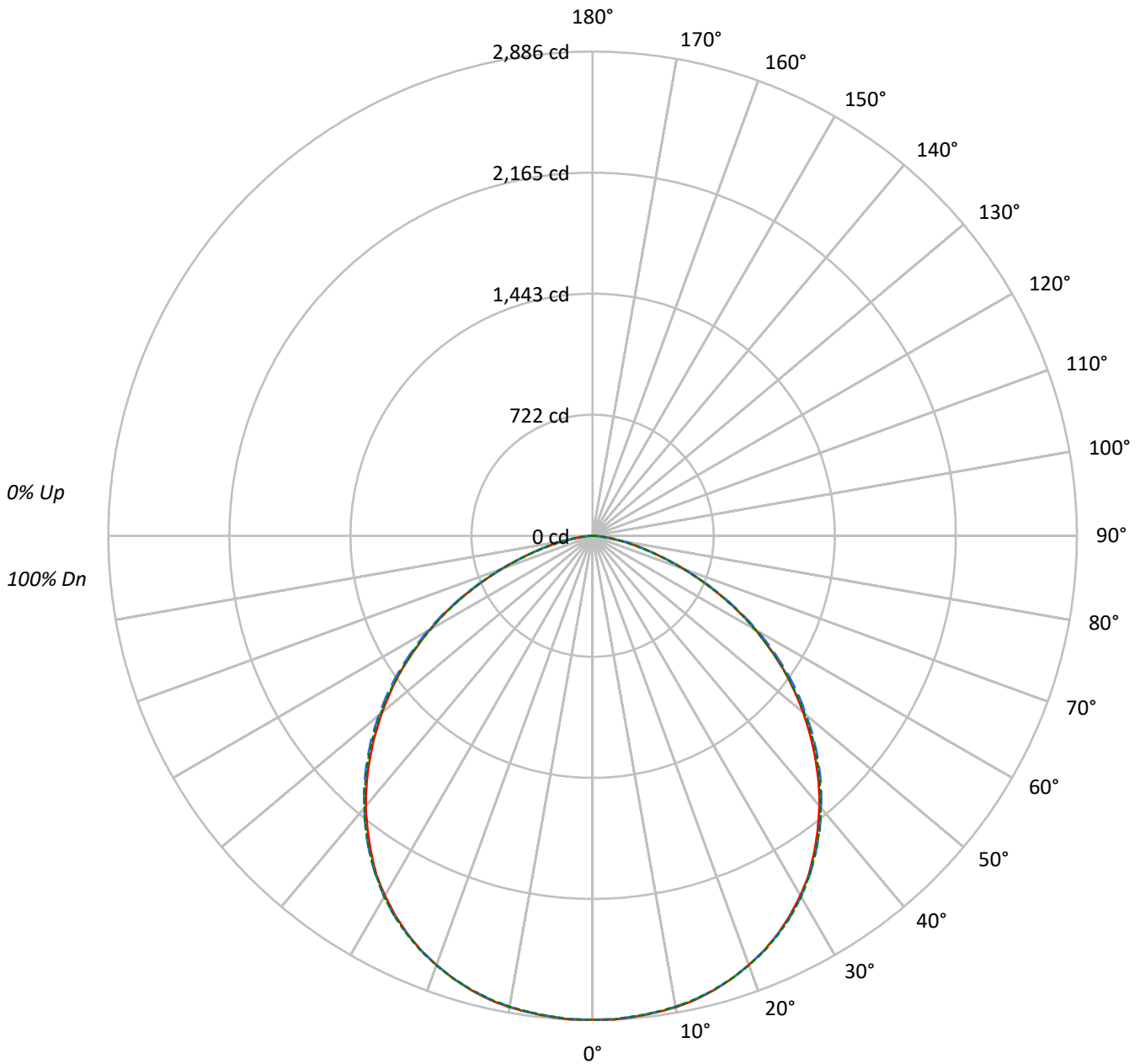
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7708.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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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### 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

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

	0°	45°	90°
0°	7762	7762	7762
5°	7774	7769	7769
10°	7798	7787	7787
15°	7808	7800	7802
20°	7797	7794	7800
25°	7763	7772	7778
30°	7694	7718	7720
35°	7564	7605	7602
40°	7387	7438	7428
45°	7145	7236	7200
50°	6855	6960	6903
55°	6507	6610	6516
60°	6033	6116	6012
65°	5382	5437	5376
70°	4527	4527	4497
75°	3548	3548	3507
80°	2599	2569	2554
85°	1695	1695	1726



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.6	3.6
10°-20°	790.5	10.3
20°-30°	1205.8	15.6
30°-40°	1445.1	18.7
40°-50°	1459.5	18.9
50°-60°	1248.7	16.2
60°-70°	842.0	10.9
70°-80°	371.5	4.8
80°-90°	71.3	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°	2269.9	29.4
0°-40°	3715.0	48.2
0°-60°	6423.2	83.3
0°-90°	7708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7708.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2885	2885	2885	2885	2885	
5°	2878	2874	2876	2874	2876	274
15°	2803	2802	2800	2799	2801	791
25°	2615	2618	2618	2618	2620	1204
35°	2302	2316	2315	2313	2314	1439
45°	1877	1892	1902	1899	1892	1447
55°	1387	1399	1409	1407	1389	1236
65°	845	852	854	852	844	835
75°	341	342	341	342	337	371
85°	55	55	55	56	56	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2884.6	2884.6	2884.6	2884.6	2884.6
2.5°	2886.5	2882.7	2881.7	2880.7	2884.6
5°	2877.8	2874.0	2875.9	2874.0	2875.9
7.5°	2867.2	2863.4	2864.4	2862.4	2864.4
10°	2853.8	2849.9	2849.9	2848.0	2849.9
12.5°	2832.6	2829.7	2828.7	2826.8	2829.7
15°	2802.7	2801.7	2799.8	2798.8	2800.7
17.5°	2766.0	2764.1	2766.0	2763.2	2765.1
20°	2722.7	2723.6	2721.7	2722.7	2723.6
22.5°	2673.5	2673.5	2674.5	2674.5	2676.4
25°	2614.7	2617.6	2617.6	2617.6	2619.6
27.5°	2549.2	2553.1	2555.9	2554.0	2555.9
30°	2476.0	2482.7	2483.7	2482.7	2484.6
32.5°	2396.9	2401.7	2404.6	2402.7	2400.8
35°	2302.5	2316.0	2315.0	2313.1	2314.0
37.5°	2203.2	2216.7	2221.5	2217.7	2218.6
40°	2103.0	2114.5	2117.4	2118.4	2114.5
42.5°	1992.1	2005.6	2016.2	2011.4	2005.6
45°	1877.4	1891.9	1901.5	1898.6	1891.9
47.5°	1758.9	1772.4	1785.9	1781.1	1774.3
50°	1637.5	1651.0	1662.5	1660.6	1649.0
52.5°	1513.1	1528.6	1539.2	1535.3	1519.9
55°	1386.9	1399.4	1409.0	1407.1	1388.8
57.5°	1250.0	1266.4	1271.2	1268.3	1254.8
60°	1120.9	1131.5	1136.3	1132.4	1117.0
62.5°	983.1	991.7	995.6	994.6	984.0
65°	845.2	852.0	853.9	852.0	844.3
67.5°	703.6	713.2	714.2	714.2	706.5
70°	575.4	578.3	575.4	583.1	571.5
72.5°	451.0	453.0	451.0	451.0	446.2
75°	341.2	342.1	341.2	342.1	337.3
77.5°	246.7	248.7	244.8	247.7	242.9
80°	167.7	167.7	165.8	166.7	164.8
82.5°	104.1	106.0	103.1	103.1	102.2
85°	54.9	54.9	54.9	55.9	55.9
87.5°	19.3	19.3	20.2	20.2	19.3
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)