

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: P506151

Luminaire Tested: **14PD-80-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

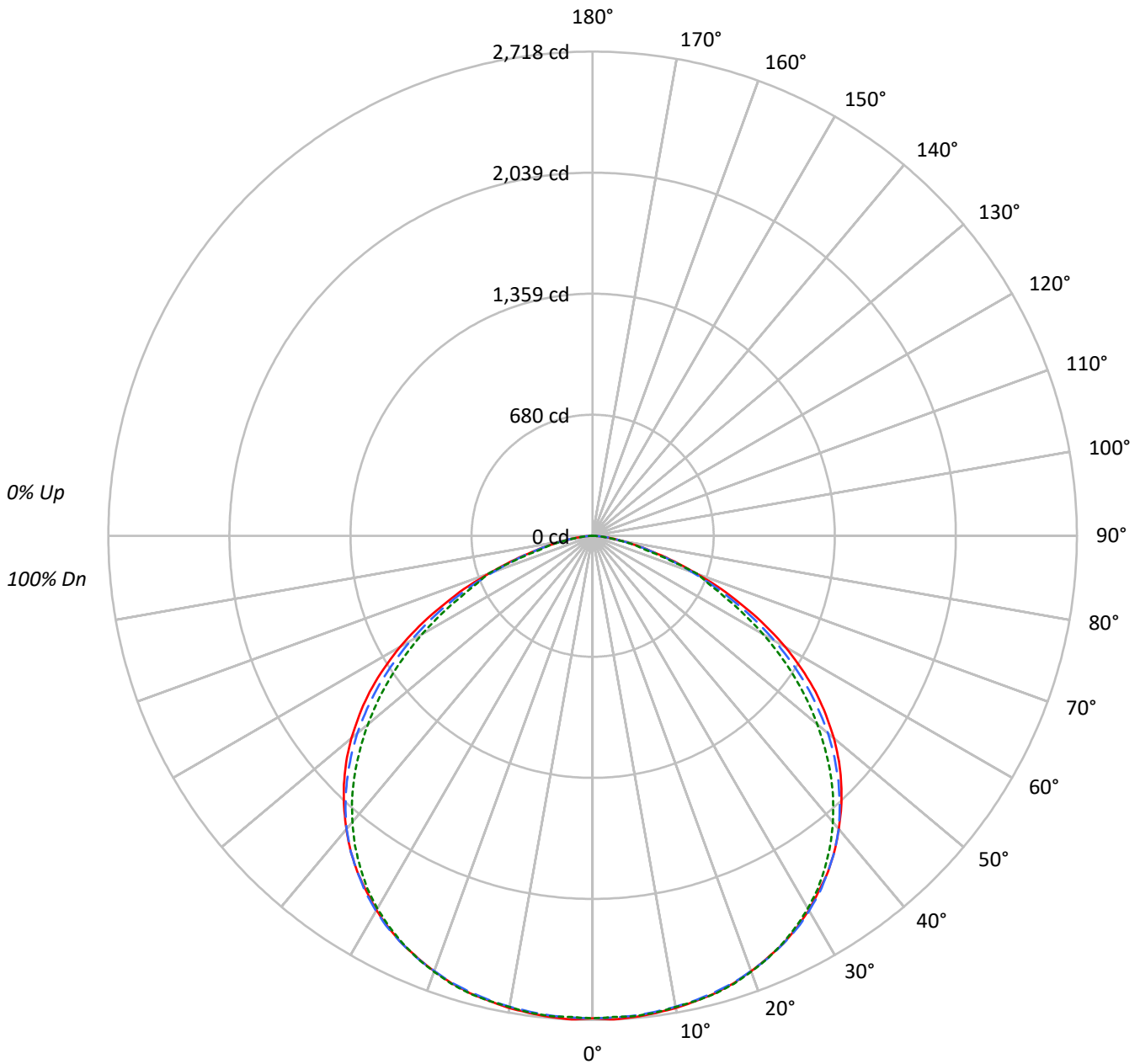
Test Method: LM-79-08  
Report Number: P506151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-80-PW1-L830  
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7714.1 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 84.4  
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	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	83	79	76	80	77	74	72								
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52								
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39								
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35								
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28								
10	54	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°	7289	7289	7289
5°	7325	7304	7313
10°	7355	7334	7339
15°	7405	7388	7414
20°	7450	7445	7458
25°	7506	7506	7492
30°	7541	7555	7508
35°	7565	7565	7470
40°	7552	7546	7369
45°	7511	7424	7185
50°	7397	7218	6891
55°	7169	6868	6494
60°	6716	6345	5950
65°	5947	5606	5235
70°	4855	4638	4891
75°	3662	3597	3231
80°	2634	2467	2467
85°	1655	1559	1371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.6	3.3
10°-20°	749.8	9.7
20°-30°	1164.0	15.1
30°-40°	1433.6	18.6
40°-50°	1492.5	19.3
50°-60°	1298.0	16.8
60°-70°	872.0	11.3
70°-80°	377.4	4.9
80°-90°	69.3	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°	2171.3	28.1
0°-40°	3604.9	46.7
0°-60°	6395.4	82.9
0°-90°	7714.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2709	2709	2709	2709	2709	
5°	2712	2695	2704	2710	2707	258
15°	2658	2640	2652	2661	2661	751
25°	2528	2516	2528	2528	2523	1165
35°	2303	2297	2303	2283	2274	1439
45°	1974	1968	1951	1906	1888	1520
55°	1528	1501	1464	1406	1384	1358
65°	934	917	880	839	822	925
75°	352	355	346	354	311	388
85°	54	55	50	44	44	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2708.6	2708.6	2708.6	2708.6	2708.6
2.5°	2717.8	2701.0	2707.1	2716.3	2704.1
5°	2711.7	2694.9	2704.1	2710.2	2707.1
7.5°	2702.5	2690.3	2694.9	2701.0	2699.5
10°	2691.8	2679.6	2684.1	2690.3	2685.7
12.5°	2675.0	2661.2	2670.4	2676.5	2675.0
15°	2658.1	2639.7	2652.0	2661.2	2661.2
17.5°	2633.6	2618.3	2630.6	2638.2	2636.7
20°	2601.5	2590.7	2599.9	2606.1	2604.5
22.5°	2564.7	2557.1	2567.8	2567.8	2567.8
25°	2528.0	2515.7	2528.0	2528.0	2523.4
27.5°	2480.5	2469.8	2485.1	2480.5	2472.8
30°	2426.9	2420.8	2431.5	2423.8	2416.2
32.5°	2364.1	2361.1	2371.8	2356.5	2350.4
35°	2302.9	2296.8	2302.9	2283.0	2273.8
37.5°	2230.9	2224.8	2230.9	2204.9	2191.1
40°	2149.8	2145.2	2148.2	2114.6	2097.7
42.5°	2065.6	2061.0	2053.3	2012.0	1998.2
45°	1973.7	1967.6	1950.7	1906.3	1887.9
47.5°	1875.7	1865.0	1840.5	1793.0	1768.5
50°	1767.0	1751.7	1724.1	1672.0	1646.0
52.5°	1649.1	1630.7	1595.5	1543.4	1518.9
55°	1528.1	1500.6	1463.8	1405.6	1384.2
57.5°	1390.3	1361.2	1322.9	1269.3	1244.8
60°	1247.9	1218.8	1179.0	1130.0	1105.5
62.5°	1096.3	1070.3	1030.5	984.5	963.1
65°	934.0	917.2	880.4	839.1	822.2
67.5°	780.9	764.1	733.4	698.2	704.3
70°	617.1	615.5	589.5	565.0	621.7
72.5°	480.8	477.7	463.9	451.7	448.6
75°	352.2	355.2	346.0	353.7	310.8
77.5°	248.1	251.1	249.6	228.1	238.9
80°	170.0	170.0	159.2	151.6	159.2
82.5°	102.6	122.5	110.2	90.3	87.3
85°	53.6	55.1	50.5	44.4	44.4
87.5°	19.9	23.0	19.9	18.4	16.8
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)