

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: P506506

Luminaire Tested: **22PD-80-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

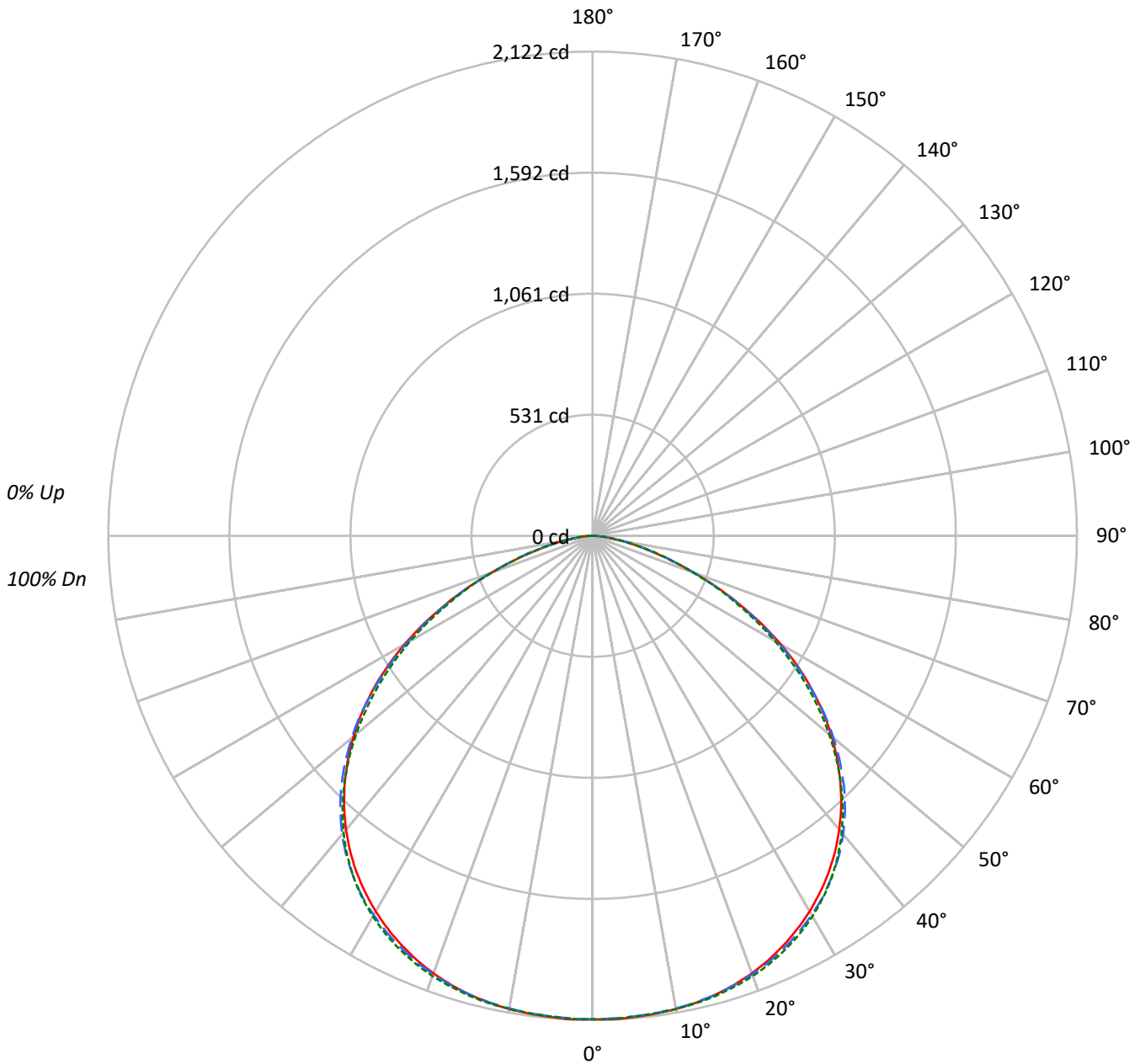
Test Method: LM-79-08  
Report Number: P506506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PW1-L927  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6126.3 lumens  
Efficiency: N/A  
Efficacy: 83.5 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): 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	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°	5703	5703	5703
5°	5719	5711	5713
10°	5756	5748	5754
15°	5801	5799	5816
20°	5844	5857	5881
25°	5879	5913	5940
30°	5908	5964	5985
35°	5922	5999	6002
40°	5904	6000	5965
45°	5846	5930	5857
50°	5727	5768	5663
55°	5505	5480	5377
60°	5124	5067	4961
65°	4519	4476	4389
70°	3701	3719	3641
75°	2804	2898	2875
80°	2030	2112	2078
85°	1334	1380	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.5	3.3
10°-20°	588.6	9.6
20°-30°	917.7	15.0
30°-40°	1137.4	18.6
40°-50°	1190.2	19.4
50°-60°	1037.1	16.9
60°-70°	694.7	11.3
70°-80°	301.1	4.9
80°-90°	58.0	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°	1707.8	27.9
0°-40°	2845.2	46.4
0°-60°	5072.4	82.8
0°-90°	6126.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6126.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2119	2119	2119	2119	2119	
5°	2117	2115	2114	2113	2115	202
15°	2082	2079	2082	2084	2088	588
25°	1980	1981	1991	1997	2000	913
35°	1803	1810	1826	1828	1827	1127
45°	1536	1544	1558	1545	1539	1183
55°	1173	1172	1168	1155	1146	1045
65°	710	706	703	696	689	702
75°	270	274	279	276	276	297
85°	43	46	45	45	48	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2119.4	2119.4	2119.4	2119.4	2119.4
2.5°	2121.6	2117.8	2117.1	2117.1	2119.4
5°	2117.1	2114.8	2114.1	2113.3	2114.8
7.5°	2112.5	2109.5	2110.3	2108.8	2110.3
10°	2106.5	2103.5	2103.5	2103.5	2105.7
12.5°	2095.9	2093.6	2094.4	2095.9	2098.9
15°	2082.2	2079.2	2081.5	2083.8	2087.5
17.5°	2063.3	2061.0	2064.8	2068.6	2071.6
20°	2040.6	2038.3	2045.1	2050.4	2053.5
22.5°	2012.6	2011.8	2020.9	2026.9	2029.2
25°	1980.0	1980.7	1991.3	1997.4	2000.4
27.5°	1942.9	1944.4	1958.0	1963.3	1966.4
30°	1901.2	1905.0	1919.4	1923.9	1926.2
32.5°	1854.2	1859.6	1877.0	1880.0	1880.0
35°	1802.7	1809.6	1826.2	1828.5	1827.0
37.5°	1745.2	1752.7	1771.7	1768.7	1766.4
40°	1680.8	1689.1	1708.1	1702.0	1698.2
42.5°	1611.9	1620.2	1636.9	1627.8	1622.5
45°	1536.1	1544.4	1558.1	1545.2	1539.1
47.5°	1454.3	1464.2	1471.0	1456.6	1449.0
50°	1368.0	1371.0	1377.8	1361.1	1352.8
52.5°	1274.0	1274.0	1279.3	1261.2	1251.3
55°	1173.3	1172.5	1168.0	1155.1	1146.0
57.5°	1066.5	1062.0	1058.9	1045.3	1034.7
60°	952.1	945.3	941.5	930.2	921.8
62.5°	832.4	828.7	824.1	815.0	805.9
65°	709.7	705.9	702.9	696.1	689.3
67.5°	587.8	585.5	585.5	581.0	580.2
70°	470.4	471.9	472.7	472.7	462.8
72.5°	364.3	365.1	368.9	365.9	365.1
75°	269.7	274.2	278.7	276.5	276.5
77.5°	193.9	200.7	200.7	199.2	196.9
80°	131.0	134.1	136.3	135.6	134.1
82.5°	83.3	85.6	83.3	84.8	85.6
85°	43.2	46.2	44.7	45.4	47.7
87.5°	14.4	15.9	16.7	15.9	15.9
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)