

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: P506510

Luminaire Tested: **22PD-80-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

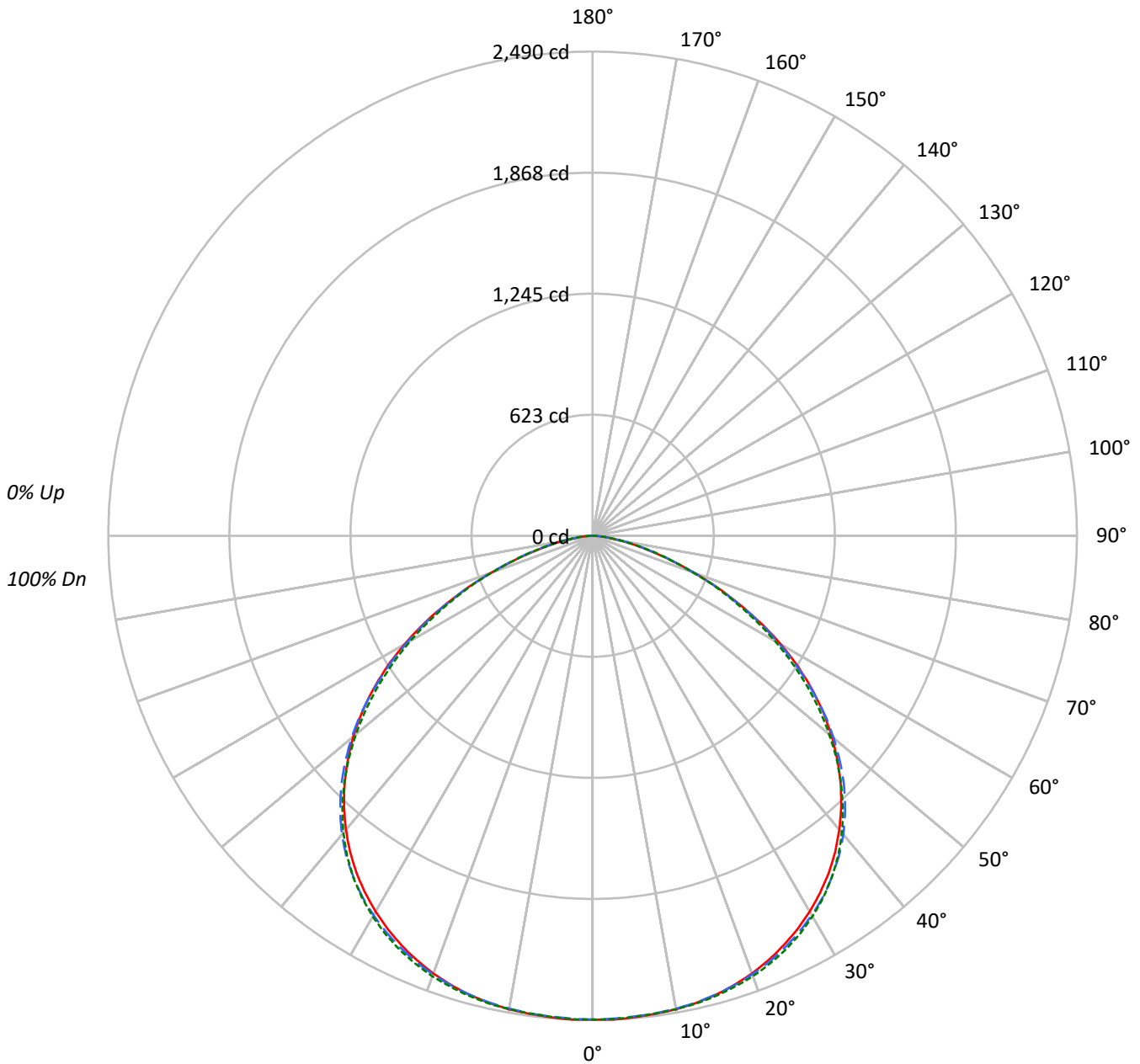
Test Method: LM-79-08  
Report Number: P506510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PW1-L950  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7191.5 lumens  
Efficiency: N/A  
Efficacy: 98.0 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									
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	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°	6695	6695	6695
5°	6713	6704	6706
10°	6757	6747	6754
15°	6810	6807	6827
20°	6860	6875	6903
25°	6901	6941	6972
30°	6935	7001	7026
35°	6952	7043	7046
40°	6931	7044	7003
45°	6862	6960	6876
50°	6723	6771	6648
55°	6462	6433	6312
60°	6015	5948	5824
65°	5305	5254	5152
70°	4345	4365	4275
75°	3291	3402	3374
80°	2383	2479	2439
85°	1565	1621	1729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.6	3.3
10°-20°	690.9	9.6
20°-30°	1077.2	15.0
30°-40°	1335.2	18.6
40°-50°	1397.1	19.4
50°-60°	1217.4	16.9
60°-70°	815.5	11.3
70°-80°	353.5	4.9
80°-90°	68.1	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°	2004.7	27.9
0°-40°	3339.9	46.4
0°-60°	5954.5	82.8
0°-90°	7191.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7191.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2488	2488	2488	2488	2488	
5°	2485	2482	2482	2481	2482	237
15°	2444	2441	2443	2446	2450	691
25°	2324	2325	2338	2345	2348	1072
35°	2116	2124	2144	2146	2145	1323
45°	1803	1813	1829	1814	1807	1389
55°	1377	1376	1371	1356	1345	1226
65°	833	829	825	817	809	824
75°	316	322	327	324	324	349
85°	51	54	52	53	56	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2487.9	2487.9	2487.9	2487.9	2487.9
2.5°	2490.5	2486.1	2485.2	2485.2	2487.9
5°	2485.2	2482.5	2481.7	2480.8	2482.5
7.5°	2479.9	2476.3	2477.2	2475.4	2477.2
10°	2472.8	2469.2	2469.2	2469.2	2471.9
12.5°	2460.3	2457.6	2458.5	2460.3	2463.9
15°	2444.3	2440.8	2443.4	2446.1	2450.5
17.5°	2422.1	2419.4	2423.9	2428.3	2431.9
20°	2395.4	2392.7	2400.7	2407.0	2410.5
22.5°	2362.5	2361.6	2372.3	2379.4	2382.1
25°	2324.3	2325.2	2337.6	2344.7	2348.3
27.5°	2280.7	2282.5	2298.5	2304.7	2308.3
30°	2231.8	2236.2	2253.1	2258.5	2261.1
32.5°	2176.7	2182.9	2203.3	2206.9	2206.9
35°	2116.2	2124.2	2143.8	2146.4	2144.7
37.5°	2048.6	2057.5	2079.8	2076.2	2073.5
40°	1973.1	1982.8	2005.1	1998.0	1993.5
42.5°	1892.1	1901.9	1921.5	1910.8	1904.6
45°	1803.2	1813.0	1829.0	1813.9	1806.8
47.5°	1707.2	1718.8	1726.8	1709.9	1701.0
50°	1605.8	1609.4	1617.4	1597.8	1588.0
52.5°	1495.6	1495.6	1501.8	1480.5	1468.9
55°	1377.3	1376.4	1371.1	1356.0	1345.3
57.5°	1251.9	1246.6	1243.1	1227.0	1214.6
60°	1117.7	1109.7	1105.2	1091.9	1082.1
62.5°	977.2	972.7	967.4	956.7	946.1
65°	833.1	828.7	825.1	817.1	809.1
67.5°	690.0	687.3	687.3	682.0	681.1
70°	552.2	553.9	554.8	554.8	543.3
72.5°	427.7	428.6	433.0	429.5	428.6
75°	316.5	321.9	327.2	324.5	324.5
77.5°	227.6	235.6	235.6	233.9	231.2
80°	153.8	157.4	160.0	159.2	157.4
82.5°	97.8	100.5	97.8	99.6	100.5
85°	50.7	54.2	52.5	53.3	56.0
87.5°	16.9	18.7	19.6	18.7	18.7
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)