

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: P506507

Luminaire Tested: **22PD-80-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

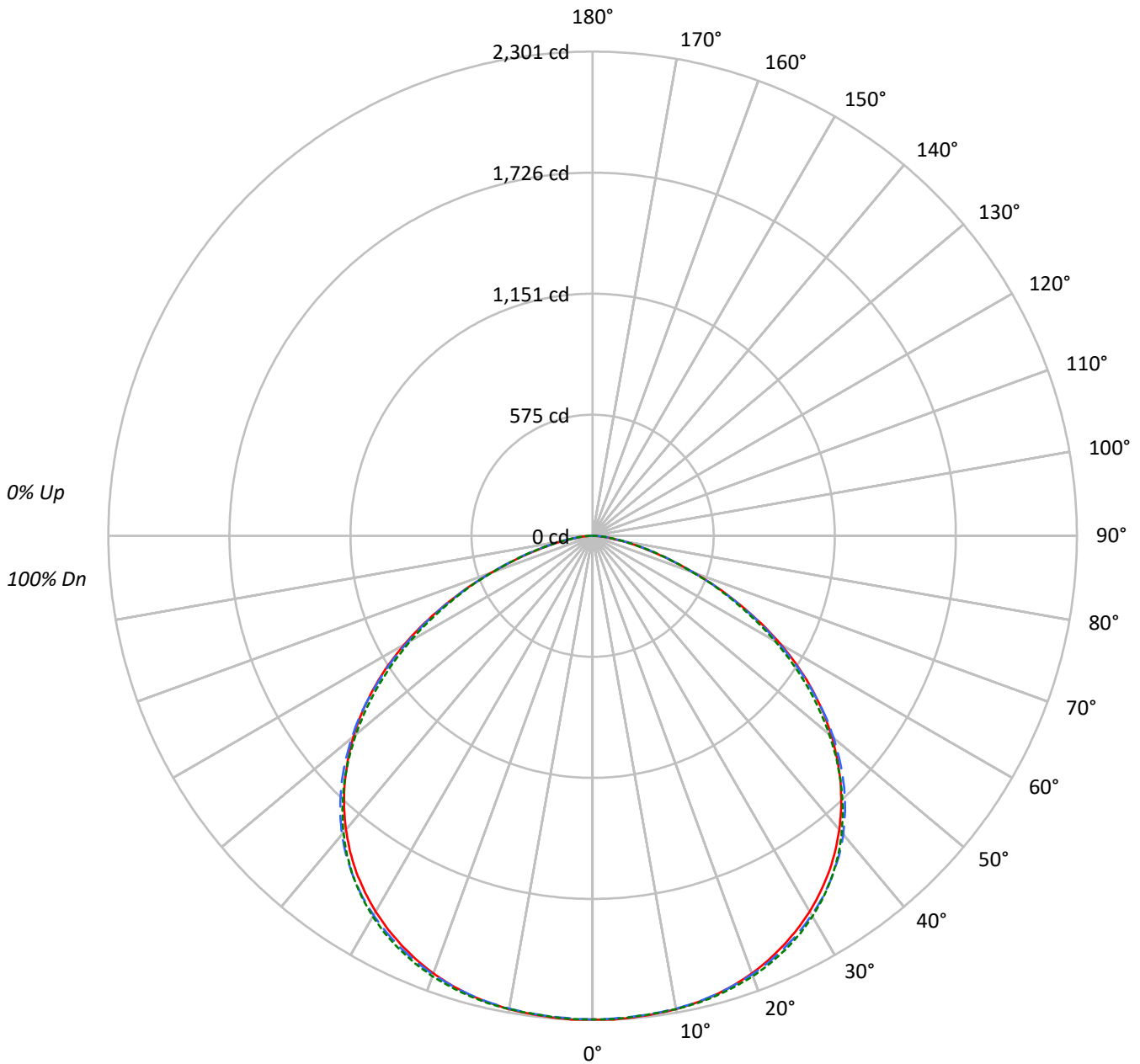
Test Method: LM-79-08  
Report Number: P506507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PW1-L930  
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6644.9 lumens  
Efficiency: N/A  
Efficacy: 90.5 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°	6186	6186	6186
5°	6203	6194	6196
10°	6243	6234	6241
15°	6292	6290	6308
20°	6338	6352	6378
25°	6377	6413	6442
30°	6408	6469	6492
35°	6423	6507	6510
40°	6404	6508	6471
45°	6341	6431	6353
50°	6212	6256	6143
55°	5971	5944	5832
60°	5558	5496	5381
65°	4902	4855	4760
70°	4014	4034	3950
75°	3041	3143	3118
80°	2202	2292	2253
85°	1445	1497	1599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.6	3.3
10°-20°	638.4	9.6
20°-30°	995.3	15.0
30°-40°	1233.7	18.6
40°-50°	1290.9	19.4
50°-60°	1124.9	16.9
60°-70°	753.5	11.3
70°-80°	326.6	4.9
80°-90°	62.9	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°	1852.3	27.9
0°-40°	3086.0	46.4
0°-60°	5501.8	82.8
0°-90°	6644.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6644.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2299	2299	2299	2299	2299	
5°	2296	2294	2293	2292	2294	219
15°	2258	2255	2258	2260	2264	638
25°	2148	2148	2160	2166	2170	990
35°	1955	1963	1981	1983	1982	1222
45°	1666	1675	1690	1676	1669	1283
55°	1273	1272	1267	1253	1243	1133
65°	770	766	762	755	748	761
75°	292	297	302	300	300	322
85°	47	50	48	49	52	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2298.8	2298.8	2298.8	2298.8	2298.8
2.5°	2301.2	2297.1	2296.3	2296.3	2298.8
5°	2296.3	2293.8	2293.0	2292.2	2293.8
7.5°	2291.4	2288.1	2288.9	2287.2	2288.9
10°	2284.8	2281.5	2281.5	2281.5	2284.0
12.5°	2273.3	2270.8	2271.6	2273.3	2276.6
15°	2258.5	2255.2	2257.7	2260.1	2264.2
17.5°	2238.0	2235.5	2239.6	2243.7	2247.0
20°	2213.3	2210.8	2218.2	2224.0	2227.3
22.5°	2182.9	2182.1	2191.9	2198.5	2201.0
25°	2147.6	2148.4	2159.9	2166.5	2169.8
27.5°	2107.3	2109.0	2123.8	2129.5	2132.8
30°	2062.1	2066.2	2081.9	2086.8	2089.3
32.5°	2011.2	2017.0	2035.8	2039.1	2039.1
35°	1955.3	1962.7	1980.8	1983.3	1981.6
37.5°	1892.9	1901.1	1921.7	1918.4	1915.9
40°	1823.1	1832.1	1852.6	1846.1	1842.0
42.5°	1748.3	1757.3	1775.4	1765.6	1759.8
45°	1666.1	1675.2	1690.0	1676.0	1669.4
47.5°	1577.4	1588.1	1595.5	1579.9	1571.7
50°	1483.8	1487.0	1494.4	1476.4	1467.3
52.5°	1381.9	1381.9	1387.6	1367.9	1357.2
55°	1272.6	1271.8	1266.9	1252.9	1243.0
57.5°	1156.8	1151.8	1148.6	1133.8	1122.3
60°	1032.7	1025.3	1021.2	1008.9	999.8
62.5°	902.9	898.8	893.9	884.0	874.1
65°	769.8	765.7	762.4	755.0	747.6
67.5°	637.5	635.1	635.1	630.1	629.3
70°	510.2	511.8	512.7	512.7	502.0
72.5°	395.2	396.0	400.1	396.8	396.0
75°	292.5	297.4	302.3	299.9	299.9
77.5°	210.3	217.7	217.7	216.1	213.6
80°	142.1	145.4	147.9	147.1	145.4
82.5°	90.4	92.8	90.4	92.0	92.8
85°	46.8	50.1	48.5	49.3	51.8
87.5°	15.6	17.3	18.1	17.3	17.3
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)