

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: P506454

Luminaire Tested: **22PD-70-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

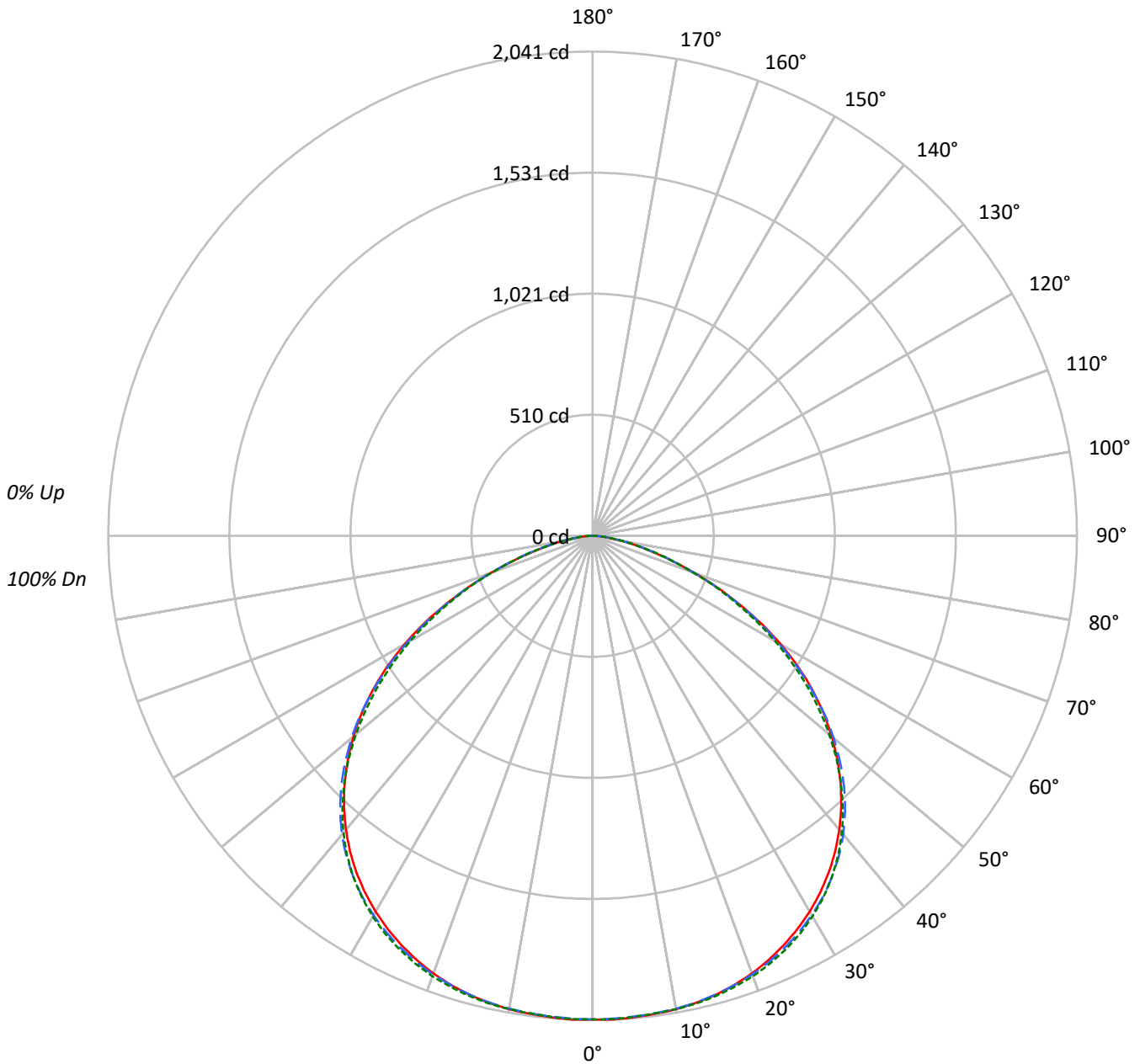
Test Method: LM-79-08  
Report Number: P506454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PW1-L935  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5894.1 lumens  
Efficiency: N/A  
Efficacy: 92.2 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): 63.9  
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°	5487	5487	5487
5°	5502	5494	5496
10°	5538	5530	5536
15°	5581	5579	5595
20°	5622	5635	5657
25°	5656	5689	5714
30°	5684	5738	5758
35°	5698	5772	5774
40°	5681	5773	5740
45°	5624	5705	5635
50°	5510	5550	5449
55°	5296	5272	5173
60°	4930	4875	4773
65°	4348	4306	4223
70°	3561	3578	3504
75°	2697	2789	2766
80°	1954	2033	1999
85°	1281	1328	1417



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.9	3.3
10°-20°	566.3	9.6
20°-30°	882.9	15.0
30°-40°	1094.3	18.6
40°-50°	1145.0	19.4
50°-60°	997.8	16.9
60°-70°	668.4	11.3
70°-80°	289.7	4.9
80°-90°	55.8	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°	1643.1	27.9
0°-40°	2737.4	46.4
0°-60°	4880.2	82.8
0°-90°	5894.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5894.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2039	2039	2039	2039	2039	
5°	2037	2035	2034	2033	2035	194
15°	2003	2000	2003	2005	2008	566
25°	1905	1906	1916	1922	1925	878
35°	1734	1741	1757	1759	1758	1084
45°	1478	1486	1499	1487	1481	1138
55°	1129	1128	1124	1111	1103	1005
65°	683	679	676	670	663	675
75°	259	264	268	266	266	286
85°	42	44	43	44	46	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2041.2	2037.6	2036.9	2036.9	2039.0
5°	2036.9	2034.7	2033.9	2033.2	2034.7
7.5°	2032.5	2029.6	2030.3	2028.8	2030.3
10°	2026.7	2023.7	2023.7	2023.7	2025.9
12.5°	2016.5	2014.3	2015.0	2016.5	2019.4
15°	2003.3	2000.4	2002.6	2004.8	2008.4
17.5°	1985.1	1982.9	1986.6	1990.2	1993.1
20°	1963.3	1961.1	1967.6	1972.7	1975.6
22.5°	1936.3	1935.6	1944.3	1950.1	1952.3
25°	1905.0	1905.7	1915.9	1921.7	1924.6
27.5°	1869.2	1870.7	1883.8	1888.9	1891.8
30°	1829.2	1832.8	1846.7	1851.0	1853.2
32.5°	1784.0	1789.1	1805.8	1808.8	1808.8
35°	1734.4	1741.0	1757.0	1759.2	1757.7
37.5°	1679.0	1686.3	1704.5	1701.6	1699.4
40°	1617.1	1625.1	1643.3	1637.5	1633.9
42.5°	1550.8	1558.8	1574.8	1566.1	1561.0
45°	1477.9	1485.9	1499.0	1486.7	1480.8
47.5°	1399.2	1408.7	1415.2	1401.4	1394.1
50°	1316.1	1319.0	1325.6	1309.6	1301.6
52.5°	1225.8	1225.8	1230.9	1213.4	1203.9
55°	1128.8	1128.1	1123.7	1111.3	1102.6
57.5°	1026.1	1021.7	1018.8	1005.7	995.5
60°	916.0	909.5	905.8	894.9	886.9
62.5°	800.9	797.3	792.9	784.1	775.4
65°	682.8	679.2	676.3	669.7	663.2
67.5°	565.5	563.3	563.3	559.0	558.2
70°	452.6	454.0	454.7	454.7	445.3
72.5°	350.5	351.3	354.9	352.0	351.3
75°	259.4	263.8	268.2	266.0	266.0
77.5°	186.6	193.1	193.1	191.7	189.5
80°	126.1	129.0	131.2	130.4	129.0
82.5°	80.2	82.3	80.2	81.6	82.3
85°	41.5	44.5	43.0	43.7	45.9
87.5°	13.8	15.3	16.0	15.3	15.3
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)