

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: P506787

Luminaire Tested: **24PD-70-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

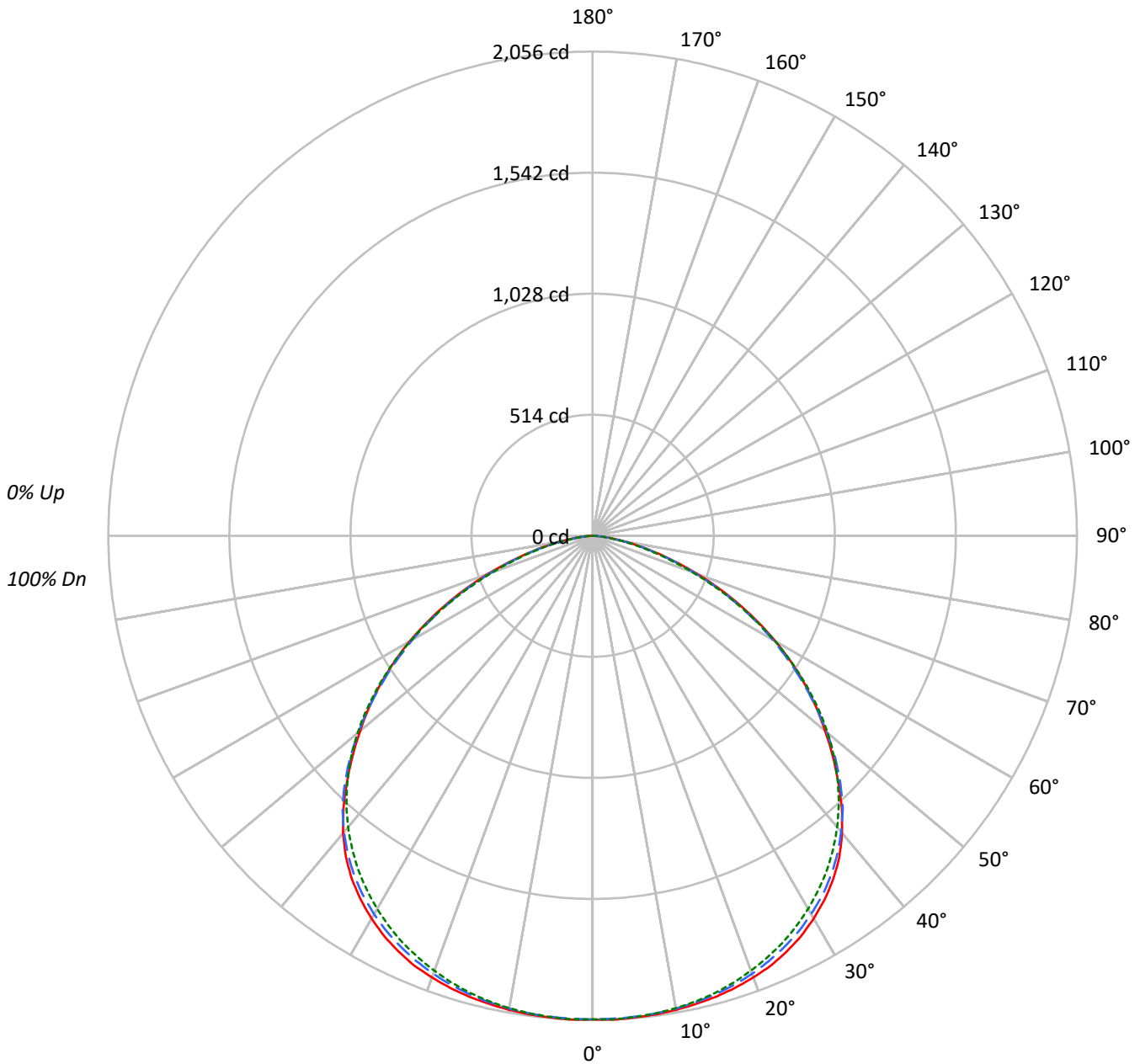
Test Method: LM-79-08  
Report Number: P506787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-70-PL1-L935  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5891.5 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51.5  
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	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	48	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	33	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	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°	2763	2763	2763
5°	2774	2769	2770
10°	2793	2785	2783
15°	2822	2808	2800
20°	2858	2834	2814
25°	2893	2860	2831
30°	2916	2882	2842
35°	2925	2896	2848
40°	2894	2883	2837
45°	2806	2831	2800
50°	2697	2717	2726
55°	2580	2560	2599
60°	2414	2374	2405
65°	2172	2129	2127
70°	1849	1807	1766
75°	1456	1424	1365
80°	1041	1011	955
85°	616	608	565



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.4	3.3
10°-20°	570.0	9.7
20°-30°	888.6	15.1
30°-40°	1099.6	18.7
40°-50°	1139.9	19.3
50°-60°	981.4	16.7
60°-70°	665.9	11.3
70°-80°	297.1	5.0
80°-90°	53.5	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°	1654.1	28.1
0°-40°	2753.6	46.7
0°-60°	4875.0	82.7
0°-90°	5891.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5891.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2054	2051	2050	2050	2051	196
15°	2026	2020	2016	2012	2010	573
25°	1948	1941	1927	1913	1907	898
35°	1781	1776	1763	1744	1734	1112
45°	1474	1481	1488	1482	1472	1136
55°	1100	1100	1092	1104	1108	981
65°	682	685	669	661	668	675
75°	280	282	274	268	263	304
85°	40	40	39	39	37	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2053.7	2053.7	2053.7	2053.7	2053.7
2.5°	2056.5	2052.0	2052.6	2053.1	2055.4
5°	2053.7	2050.9	2050.3	2050.3	2050.9
7.5°	2050.3	2047.0	2046.4	2045.8	2045.8
10°	2044.1	2040.8	2038.5	2037.4	2036.8
12.5°	2035.7	2031.8	2029.0	2026.7	2025.0
15°	2026.1	2020.5	2016.0	2011.5	2009.8
17.5°	2012.7	2007.6	1999.7	1992.4	1989.6
20°	1995.8	1990.7	1979.5	1969.4	1965.4
22.5°	1976.1	1968.8	1954.7	1943.5	1937.9
25°	1948.5	1941.2	1926.6	1912.6	1906.9
27.5°	1916.5	1909.7	1894.0	1877.1	1870.4
30°	1876.6	1872.1	1855.2	1836.6	1829.3
32.5°	1832.1	1827.6	1813.0	1792.2	1783.8
35°	1781.0	1775.9	1763.0	1743.8	1733.7
37.5°	1720.2	1718.5	1706.2	1686.5	1676.9
40°	1647.7	1651.1	1641.5	1624.6	1615.1
42.5°	1565.0	1572.3	1572.3	1556.6	1547.0
45°	1474.5	1481.2	1488.0	1482.4	1471.7
47.5°	1381.7	1389.0	1396.9	1399.1	1390.1
50°	1288.3	1292.8	1297.9	1308.0	1302.4
52.5°	1195.6	1197.2	1195.6	1209.1	1207.9
55°	1100.0	1100.5	1091.5	1103.9	1107.8
57.5°	1000.4	1002.1	987.5	994.2	1002.7
60°	896.9	898.6	882.3	883.5	893.6
62.5°	790.1	792.4	776.0	772.1	781.1
65°	682.1	684.9	668.6	661.3	668.1
67.5°	574.7	578.1	562.9	553.9	555.6
70°	470.1	472.9	459.4	451.0	448.8
72.5°	370.6	373.4	362.7	354.3	350.3
75°	280.1	282.3	273.9	267.7	262.6
77.5°	201.3	203.0	196.3	191.8	186.7
80°	134.4	135.0	130.5	127.7	123.2
82.5°	80.4	81.0	78.2	77.0	73.7
85°	39.9	40.5	39.4	39.4	36.6
87.5°	14.1	13.5	14.1	14.1	12.4
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)