

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: P506786

Luminaire Tested: **24PD-70-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506786
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-L930
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

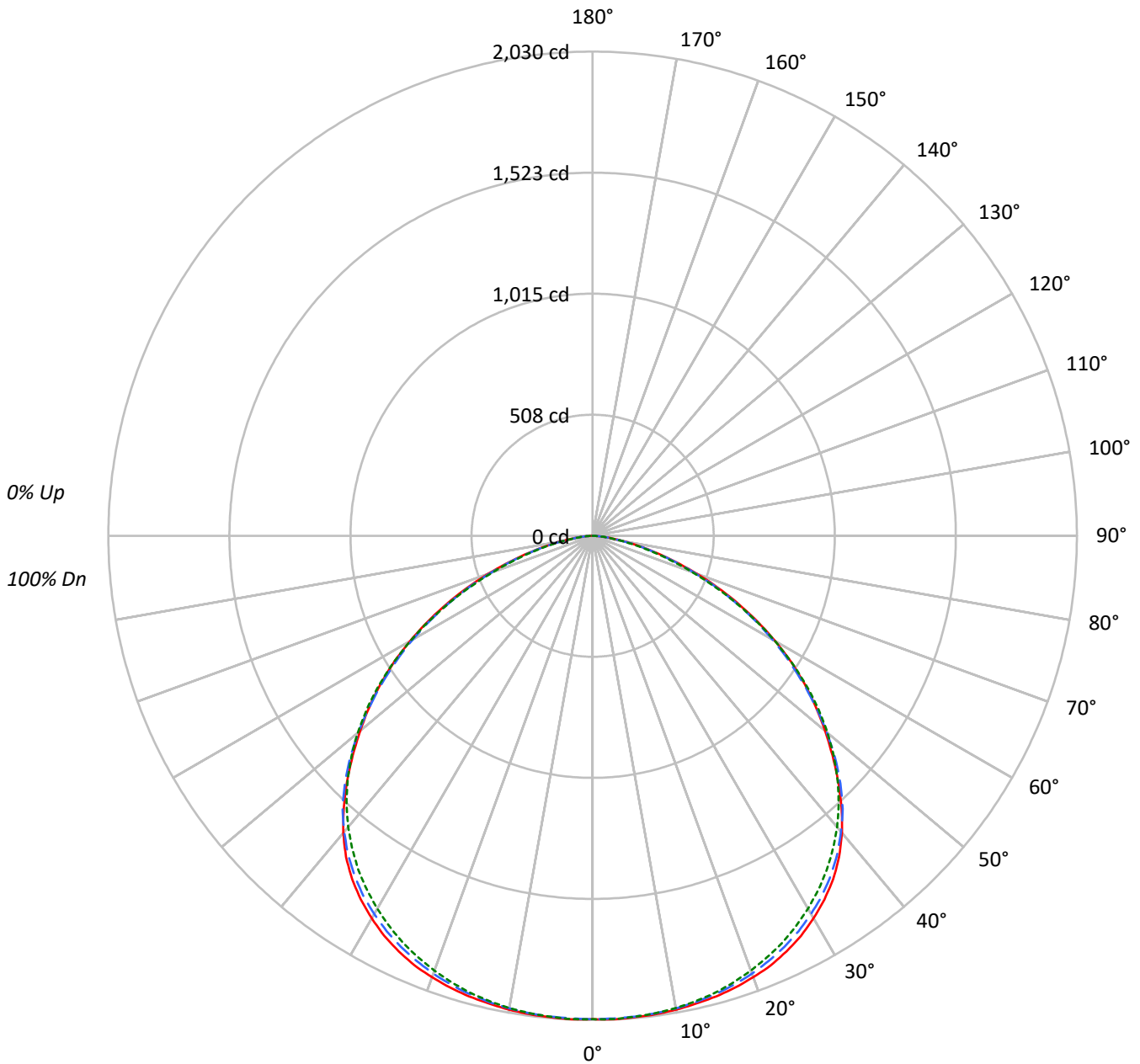
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5814.3 lumens
Efficiency: N/A
Efficacy: 112.9 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_{in}): 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°	2727	2727	2727
5°	2737	2733	2734
10°	2756	2749	2746
15°	2785	2771	2763
20°	2820	2797	2777
25°	2855	2823	2794
30°	2877	2845	2805
35°	2887	2858	2810
40°	2856	2845	2800
45°	2769	2794	2764
50°	2662	2681	2690
55°	2546	2527	2565
60°	2382	2343	2373
65°	2143	2101	2099
70°	1825	1784	1742
75°	1437	1405	1347
80°	1027	998	941
85°	608	599	557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	3.3
10°-20°	562.6	9.7
20°-30°	876.9	15.1
30°-40°	1085.2	18.7
40°-50°	1124.9	19.3
50°-60°	968.6	16.7
60°-70°	657.2	11.3
70°-80°	293.2	5.0
80°-90°	52.7	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°	1632.4	28.1
0°-40°	2717.6	46.7
0°-60°	4811.1	82.7
0°-90°	5814.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5814.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2027	2027	2027	2027	2027	
5°	2027	2024	2024	2024	2024	193
15°	2000	1994	1990	1985	1984	565
25°	1923	1916	1901	1888	1882	887
35°	1758	1753	1740	1721	1711	1097
45°	1455	1462	1468	1463	1452	1122
55°	1086	1086	1077	1089	1093	968
65°	673	676	660	653	659	666
75°	276	279	270	264	259	300
85°	39	40	39	39	36	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2026.8	2026.8	2026.8	2026.8	2026.8
2.5°	2029.6	2025.1	2025.7	2026.2	2028.5
5°	2026.8	2024.0	2023.5	2023.5	2024.0
7.5°	2023.5	2020.1	2019.6	2019.0	2019.0
10°	2017.4	2014.0	2011.8	2010.7	2010.2
12.5°	2009.0	2005.2	2002.4	2000.2	1998.5
15°	1999.6	1994.1	1989.6	1985.2	1983.5
17.5°	1986.3	1981.3	1973.5	1966.3	1963.5
20°	1969.6	1964.6	1953.5	1943.6	1939.7
22.5°	1950.2	1943.0	1929.1	1918.0	1912.5
25°	1923.0	1915.8	1901.4	1887.5	1882.0
27.5°	1891.4	1884.7	1869.2	1852.5	1845.9
30°	1852.0	1847.5	1830.9	1812.6	1805.4
32.5°	1808.1	1803.7	1789.3	1768.7	1760.4
35°	1757.6	1752.6	1739.9	1721.0	1711.0
37.5°	1697.7	1696.0	1683.8	1664.4	1655.0
40°	1626.1	1629.4	1620.0	1603.3	1593.9
42.5°	1544.5	1551.7	1551.7	1536.2	1526.8
45°	1455.2	1461.8	1468.5	1462.9	1452.4
47.5°	1363.6	1370.8	1378.6	1380.8	1371.9
50°	1271.5	1275.9	1280.9	1290.9	1285.3
52.5°	1179.9	1181.6	1179.9	1193.2	1192.1
55°	1085.5	1086.1	1077.2	1089.4	1093.3
57.5°	987.3	989.0	974.6	981.2	989.5
60°	885.2	886.9	870.8	871.9	881.9
62.5°	779.8	782.0	765.9	762.0	770.9
65°	673.2	676.0	659.9	652.7	659.3
67.5°	567.2	570.5	555.5	546.7	548.3
70°	464.0	466.7	453.4	445.1	442.9
72.5°	365.7	368.5	358.0	349.6	345.8
75°	276.4	278.6	270.3	264.2	259.2
77.5°	198.7	200.3	193.7	189.2	184.3
80°	132.6	133.2	128.8	126.0	121.5
82.5°	79.4	79.9	77.1	76.0	72.7
85°	39.4	40.0	38.8	38.8	36.1
87.5°	13.9	13.3	13.9	13.9	12.2
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)