

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: P506795

Luminaire Tested: **24PD-70-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-70-PR1-L930  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

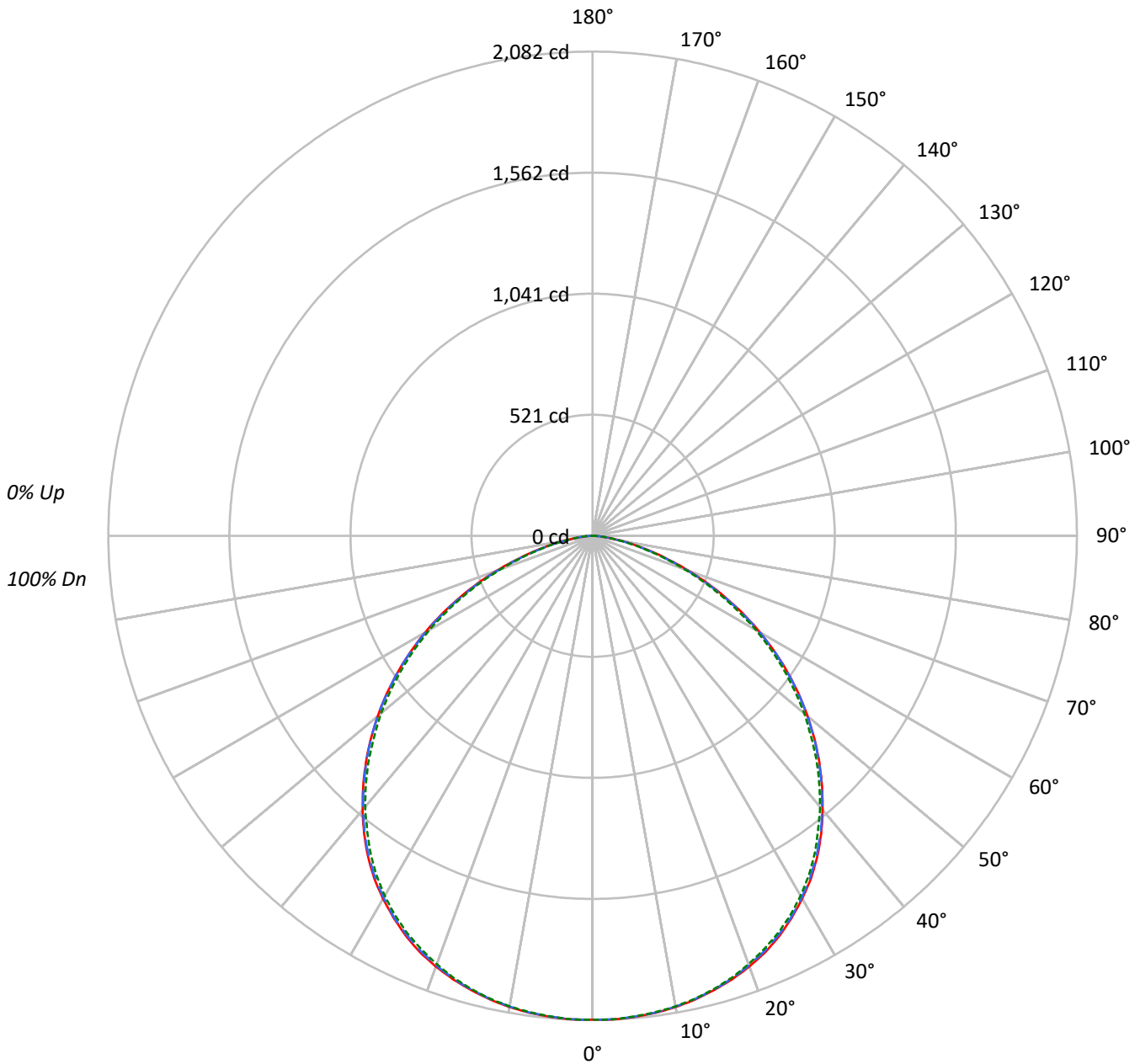
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5603.0 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
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				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2800	2800	2800
5°	2805	2804	2802
10°	2811	2808	2807
15°	2817	2813	2810
20°	2822	2815	2807
25°	2819	2811	2799
30°	2800	2793	2777
35°	2766	2757	2735
40°	2702	2695	2672
45°	2622	2618	2589
50°	2525	2524	2485
55°	2401	2396	2350
60°	2238	2229	2178
65°	2016	1992	1946
70°	1721	1696	1653
75°	1361	1330	1299
80°	966	941	912
85°	580	565	548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.5	3.5
10°-20°	570.3	10.2
20°-30°	871.9	15.6
30°-40°	1047.0	18.7
40°-50°	1058.1	18.9
50°-60°	909.1	16.2
60°-70°	620.2	11.1
70°-80°	278.8	5.0
80°-90°	50.2	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°	1639.7	29.3
0°-40°	2686.7	48.0
0°-60°	4653.9	83.1
0°-90°	5603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5603.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2081	2081	2081	2081	2081	
5°	2077	2076	2076	2075	2075	198
15°	2022	2022	2019	2018	2017	571
25°	1899	1898	1894	1887	1886	875
35°	1684	1684	1679	1668	1665	1051
45°	1378	1382	1376	1366	1360	1062
55°	1023	1027	1021	1012	1002	913
65°	633	636	626	621	611	627
75°	262	264	256	254	250	284
85°	38	38	37	37	36	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2081.2	2081.2	2081.2	2081.2	2081.2
2.5°	2081.7	2081.2	2080.7	2079.6	2081.2
5°	2076.9	2076.4	2075.8	2074.8	2074.8
7.5°	2069.4	2068.3	2068.3	2066.7	2066.2
10°	2057.6	2057.0	2055.4	2055.4	2054.9
12.5°	2042.5	2041.4	2039.8	2039.3	2038.2
15°	2022.1	2021.5	2019.4	2017.8	2017.2
17.5°	1999.0	1997.4	1995.7	1992.0	1992.0
20°	1971.0	1969.9	1966.2	1962.4	1960.3
22.5°	1938.8	1936.6	1932.3	1928.6	1924.3
25°	1899.0	1898.5	1893.6	1887.2	1885.6
27.5°	1852.8	1853.8	1849.0	1842.6	1839.3
30°	1802.2	1804.4	1797.4	1789.3	1787.7
32.5°	1746.9	1747.4	1741.5	1732.9	1729.7
35°	1684.0	1684.0	1678.6	1668.4	1665.2
37.5°	1614.1	1613.6	1610.4	1598.5	1592.6
40°	1538.3	1541.0	1534.6	1523.8	1521.1
42.5°	1459.9	1463.1	1457.2	1448.0	1442.1
45°	1378.2	1381.9	1376.0	1366.3	1360.4
47.5°	1293.8	1296.5	1292.2	1279.8	1271.7
50°	1206.2	1211.5	1205.6	1192.7	1187.3
52.5°	1115.9	1121.8	1114.8	1105.1	1094.9
55°	1023.4	1027.2	1021.3	1012.1	1001.9
57.5°	928.3	935.8	926.1	915.4	906.8
60°	831.5	838.0	828.3	818.6	809.5
62.5°	733.2	737.5	726.7	720.8	710.0
65°	633.2	636.4	625.7	621.4	611.1
67.5°	534.3	537.0	526.8	520.8	514.9
70°	437.5	439.7	431.1	425.7	420.3
72.5°	346.2	346.7	338.6	337.0	330.6
75°	261.8	263.9	255.9	254.2	249.9
77.5°	188.1	188.7	183.3	182.2	178.5
80°	124.7	125.2	121.5	120.9	117.7
82.5°	75.3	75.8	72.6	72.6	70.4
85°	37.6	38.2	36.6	36.6	35.5
87.5°	12.9	13.4	12.9	12.9	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)