

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: P506804

Luminaire Tested: **24PD-70-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

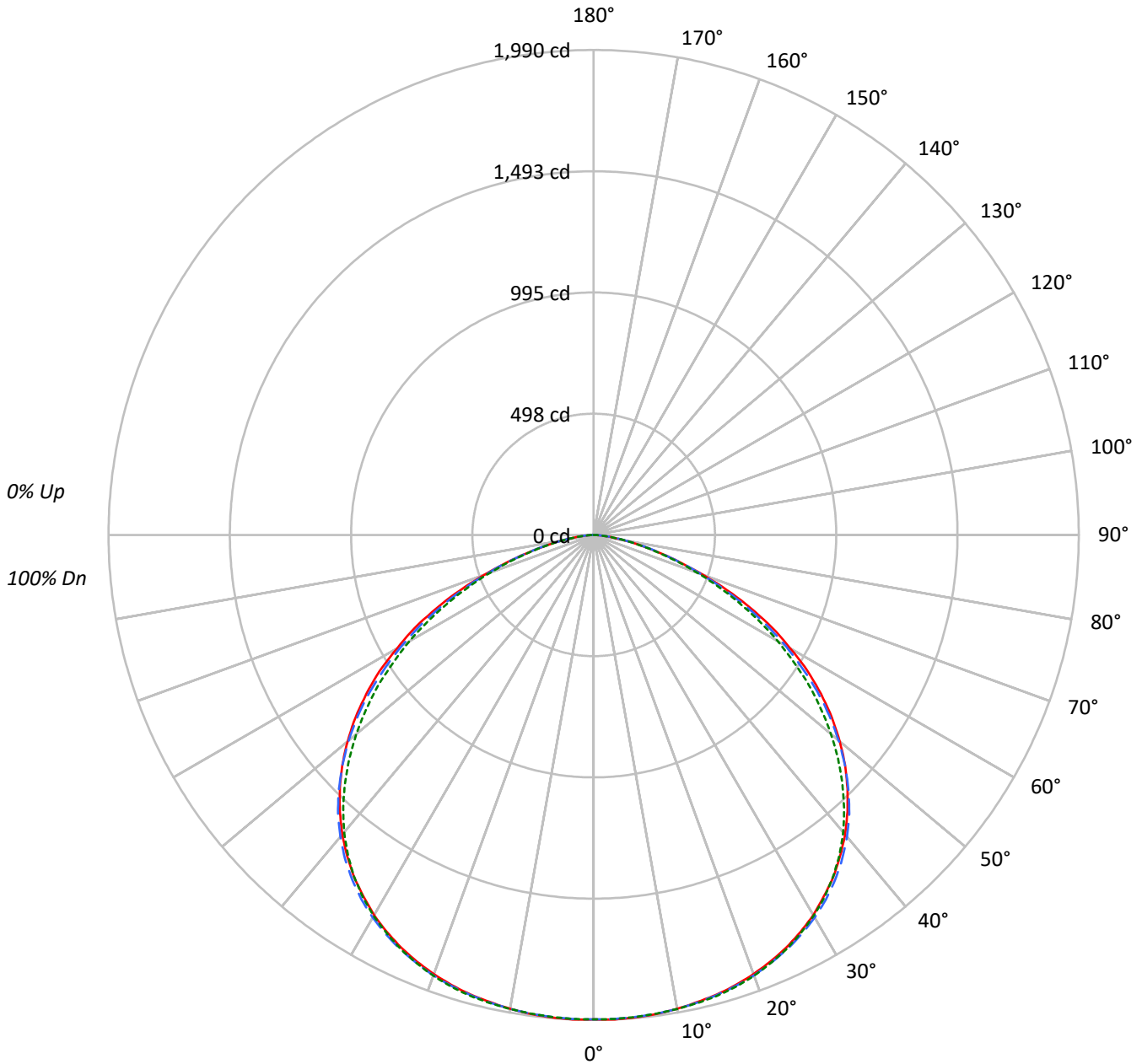
Test Method: LM-79-08  
Report Number: P506804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-70-PW1-L930  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5829.8 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
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				
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	98	95	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25			

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

	0°	45°	90°
0°	2675	2675	2675
5°	2684	2681	2681
10°	2698	2698	2699
15°	2720	2722	2727
20°	2746	2754	2756
25°	2774	2787	2782
30°	2799	2817	2804
35°	2815	2837	2812
40°	2818	2840	2797
45°	2802	2812	2745
50°	2758	2745	2659
55°	2670	2627	2533
60°	2507	2443	2348
65°	2262	2179	2090
70°	1865	1836	1768
75°	1425	1439	1382
80°	989	1019	998
85°	591	618	599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.2	3.2
10°-20°	552.7	9.5
20°-30°	864.3	14.8
30°-40°	1075.1	18.4
40°-50°	1129.8	19.4
50°-60°	991.8	17.0
60°-70°	675.3	11.6
70°-80°	297.9	5.1
80°-90°	53.6	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°	1606.2	27.6
0°-40°	2681.3	46.0
0°-60°	4802.9	82.4
0°-90°	5829.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5829.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1988	1988	1988	1988	1988	
5°	1987	1987	1985	1983	1985	189
15°	1952	1955	1954	1954	1958	552
25°	1869	1874	1877	1876	1874	862
35°	1714	1722	1727	1719	1712	1071
45°	1472	1482	1478	1454	1442	1134
55°	1138	1134	1120	1091	1080	1014
65°	710	693	684	669	657	700
75°	274	276	277	272	266	300
85°	38	40	40	39	39	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1988.0	1988.0	1988.0	1988.0	1988.0
2.5°	1990.2	1989.1	1988.0	1986.3	1988.0
5°	1987.4	1986.9	1985.2	1983.0	1985.2
7.5°	1983.0	1983.0	1981.3	1979.7	1980.8
10°	1974.7	1976.3	1974.7	1973.0	1975.2
12.5°	1963.6	1966.4	1965.8	1965.8	1967.5
15°	1952.5	1954.7	1954.1	1954.1	1958.0
17.5°	1936.9	1939.7	1940.3	1941.4	1943.6
20°	1917.5	1921.4	1923.6	1923.1	1924.7
22.5°	1894.8	1899.2	1900.9	1902.0	1900.9
25°	1868.7	1873.7	1877.0	1875.9	1874.2
27.5°	1837.0	1842.6	1847.0	1844.3	1840.9
30°	1801.5	1806.5	1813.2	1808.2	1804.9
32.5°	1757.7	1767.1	1773.2	1767.1	1762.1
35°	1713.8	1721.6	1727.2	1718.8	1712.2
37.5°	1660.6	1670.0	1675.0	1663.3	1656.1
40°	1604.5	1613.9	1616.7	1601.7	1592.3
42.5°	1540.7	1551.2	1552.3	1531.2	1520.7
45°	1472.4	1481.8	1478.0	1453.5	1442.4
47.5°	1398.6	1405.3	1396.9	1372.0	1359.7
50°	1317.6	1321.4	1311.5	1282.0	1270.4
52.5°	1232.1	1231.5	1218.8	1189.4	1176.6
55°	1138.3	1133.9	1120.0	1090.6	1080.0
57.5°	1042.3	1028.4	1013.4	988.5	974.6
60°	931.8	921.3	908.0	883.0	872.5
62.5°	827.5	808.6	797.5	775.3	765.9
65°	710.4	693.2	684.3	669.3	656.6
67.5°	592.7	579.4	573.3	562.8	551.1
70°	474.0	470.1	466.8	456.8	449.5
72.5°	369.1	368.0	367.4	361.9	354.6
75°	274.2	275.8	276.9	271.9	265.8
77.5°	195.4	198.1	197.6	194.8	193.1
80°	127.6	129.9	131.5	128.8	128.8
82.5°	77.1	79.4	78.8	79.9	77.7
85°	38.3	40.0	40.0	39.4	38.8
87.5°	13.9	14.4	13.9	14.4	13.9
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)