

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: P506102

Luminaire Tested: **14PD-70-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

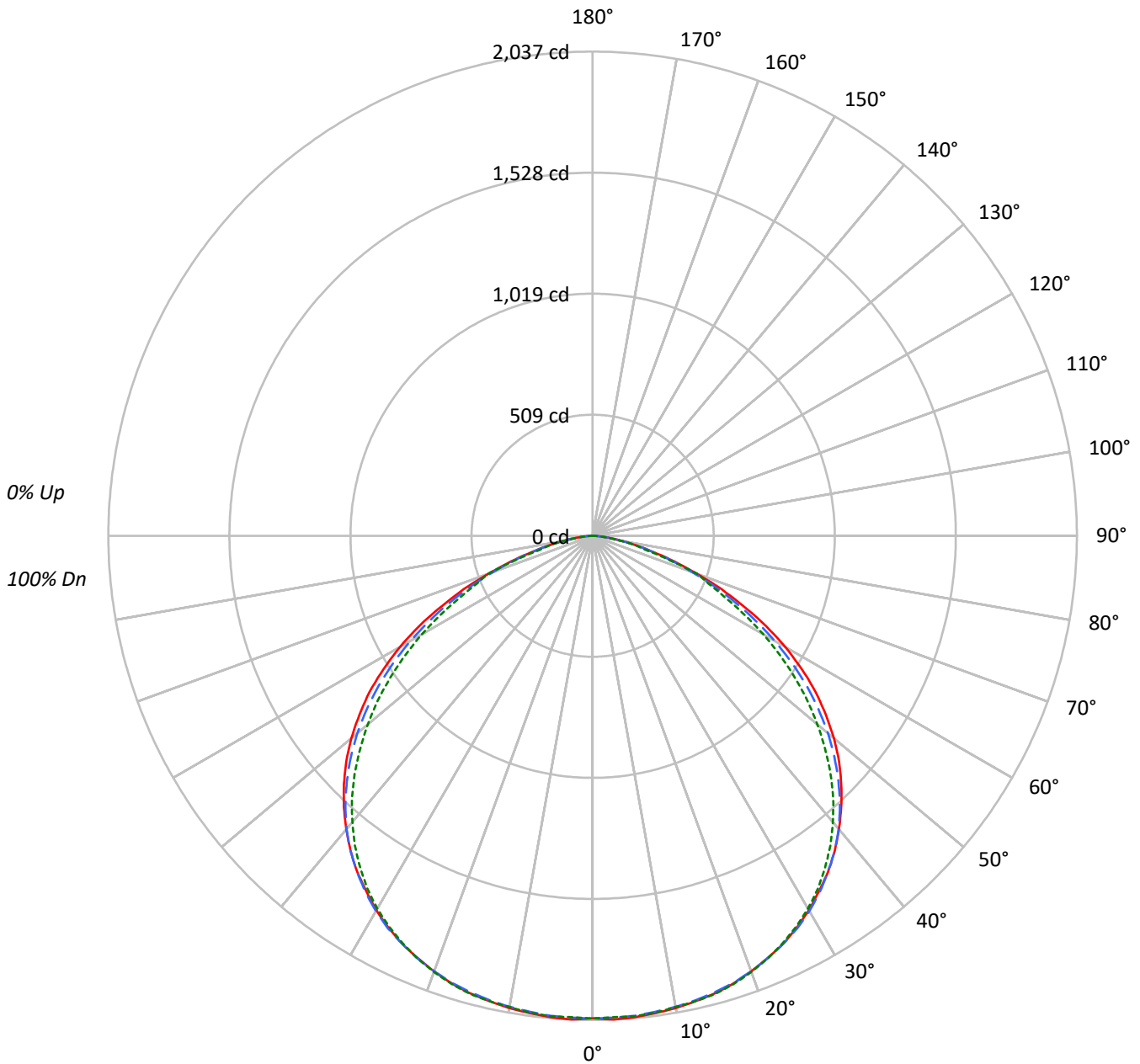
Test Method: LM-79-08  
Report Number: P506102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PW1-L930  
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5782.6 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71.2  
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	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	49	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	34	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	54	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°	5464	5464	5464
5°	5491	5475	5482
10°	5514	5498	5501
15°	5551	5538	5557
20°	5584	5581	5591
25°	5627	5627	5616
30°	5653	5664	5628
35°	5671	5671	5599
40°	5661	5657	5524
45°	5630	5565	5386
50°	5545	5411	5166
55°	5374	5148	4868
60°	5034	4757	4460
65°	4458	4202	3925
70°	3640	3477	3666
75°	2745	2697	2423
80°	1974	1850	1850
85°	1241	1170	1028



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.1	3.3
10°-20°	562.0	9.7
20°-30°	872.5	15.1
30°-40°	1074.6	18.6
40°-50°	1118.8	19.3
50°-60°	973.0	16.8
60°-70°	653.7	11.3
70°-80°	282.9	4.9
80°-90°	51.9	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°	1627.6	28.1
0°-40°	2702.3	46.7
0°-60°	4794.1	82.9
0°-90°	5782.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5782.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2033	2020	2027	2032	2029	194
15°	1992	1979	1988	1995	1995	563
25°	1895	1886	1895	1895	1892	873
35°	1726	1722	1726	1711	1704	1079
45°	1480	1475	1462	1429	1415	1140
55°	1146	1125	1097	1054	1038	1018
65°	700	688	660	629	616	693
75°	264	266	259	265	233	291
85°	40	41	38	33	33	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2030.4	2030.4	2030.4	2030.4	2030.4
2.5°	2037.3	2024.7	2029.3	2036.2	2027.0
5°	2032.7	2020.1	2027.0	2031.6	2029.3
7.5°	2025.8	2016.7	2020.1	2024.7	2023.5
10°	2017.8	2008.6	2012.1	2016.7	2013.2
12.5°	2005.2	1994.8	2001.7	2006.3	2005.2
15°	1992.5	1978.8	1988.0	1994.8	1994.8
17.5°	1974.2	1962.7	1971.9	1977.6	1976.5
20°	1950.1	1942.0	1948.9	1953.5	1952.4
22.5°	1922.5	1916.8	1924.8	1924.8	1924.8
25°	1895.0	1885.8	1895.0	1895.0	1891.5
27.5°	1859.4	1851.4	1862.8	1859.4	1853.7
30°	1819.2	1814.6	1822.7	1816.9	1811.2
32.5°	1772.2	1769.9	1777.9	1766.4	1761.8
35°	1726.3	1721.7	1726.3	1711.3	1704.5
37.5°	1672.3	1667.7	1672.3	1652.8	1642.5
40°	1611.5	1608.0	1610.3	1585.1	1572.5
42.5°	1548.4	1544.9	1539.2	1508.2	1497.9
45°	1479.5	1474.9	1462.3	1429.0	1415.2
47.5°	1406.0	1398.0	1379.6	1344.1	1325.7
50°	1324.5	1313.1	1292.4	1253.4	1233.9
52.5°	1236.2	1222.4	1196.0	1157.0	1138.6
55°	1145.5	1124.8	1097.3	1053.7	1037.6
57.5°	1042.2	1020.4	991.7	951.5	933.1
60°	935.4	913.6	883.8	847.1	828.7
62.5°	821.8	802.3	772.5	738.0	722.0
65°	700.1	687.5	660.0	629.0	616.4
67.5°	585.4	572.7	549.8	523.4	528.0
70°	462.6	461.4	441.9	423.5	466.0
72.5°	360.4	358.1	347.8	338.6	336.3
75°	264.0	266.3	259.4	265.1	233.0
77.5°	185.9	188.2	187.1	171.0	179.1
80°	127.4	127.4	119.4	113.6	119.4
82.5°	76.9	91.8	82.6	67.7	65.4
85°	40.2	41.3	37.9	33.3	33.3
87.5°	14.9	17.2	14.9	13.8	12.6
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)