

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: P506092

Luminaire Tested: **14PD-70-PR1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PR1-L927  
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

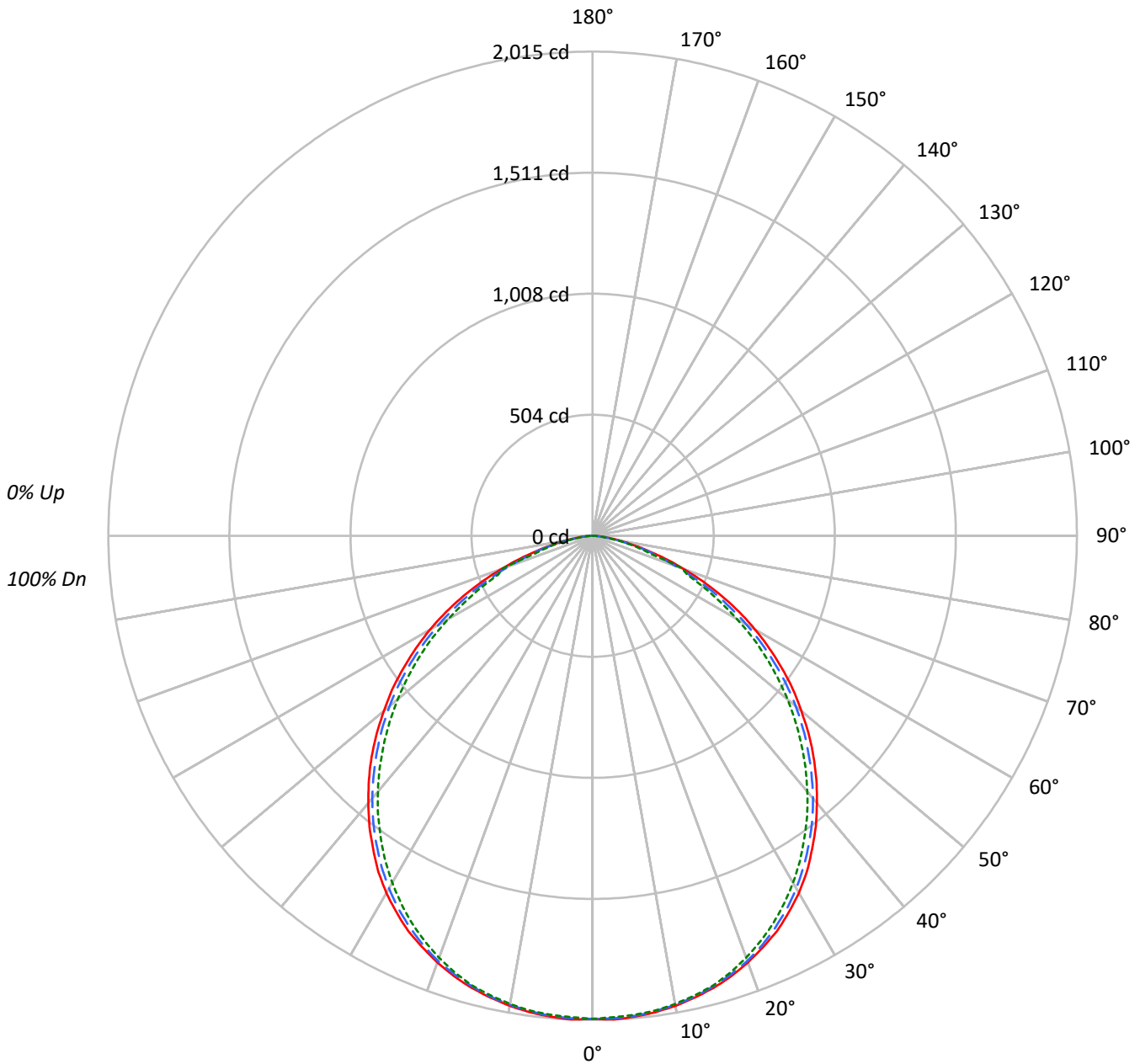
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5173.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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				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	100	100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86	86	86	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62	62	62	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53	53	53	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46	46	46	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41	41	41	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36	36	36	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32	32	32	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29	29	29	29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26	26	26	26

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

	0°	45°	90°
0°	5409	5409	5409
5°	5427	5419	5405
10°	5427	5416	5405
15°	5425	5409	5397
20°	5411	5391	5351
25°	5389	5342	5282
30°	5333	5265	5182
35°	5230	5151	5047
40°	5099	5012	4882
45°	4948	4827	4676
50°	4743	4618	4430
55°	4512	4335	4129
60°	4201	3981	3735
65°	3772	3506	3277
70°	3172	2891	3125
75°	2443	2350	2112
80°	1759	1573	1497
85°	1074	923	831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.6	3.7
10°-20°	547.4	10.6
20°-30°	826.8	16.0
30°-40°	978.2	18.9
40°-50°	975.3	18.9
50°-60°	824.0	15.9
60°-70°	549.0	10.6
70°-80°	238.5	4.6
80°-90°	43.3	0.8
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°	1564.8	30.2
0°-40°	2542.9	49.2
0°-60°	4342.2	83.9
0°-90°	5173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	2009	2001	2006	2004	2001	191
15°	1947	1938	1941	1938	1937	550
25°	1815	1803	1799	1783	1779	835
35°	1592	1581	1568	1547	1536	996
45°	1300	1288	1268	1242	1229	1001
55°	962	955	924	894	880	859
65°	592	585	551	527	515	585
75°	235	230	226	218	203	257
85°	35	36	30	28	27	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2010.1	2010.1	2010.1	2010.1	2010.1
2.5°	2015.1	2006.1	2010.1	2010.1	2005.1
5°	2009.1	2001.1	2006.1	2004.1	2001.1
7.5°	2000.1	1992.2	1995.2	1994.2	1993.2
10°	1986.2	1978.2	1982.2	1980.2	1978.2
12.5°	1968.3	1960.3	1964.3	1961.3	1959.3
15°	1947.4	1938.4	1941.4	1938.4	1937.4
17.5°	1921.5	1912.5	1913.5	1909.5	1905.6
20°	1889.6	1881.7	1882.7	1872.7	1868.7
22.5°	1852.8	1844.8	1843.8	1830.9	1825.9
25°	1815.0	1803.0	1799.0	1783.1	1779.1
27.5°	1767.2	1756.2	1750.2	1733.3	1725.3
30°	1716.4	1704.4	1694.5	1675.6	1667.6
32.5°	1658.6	1646.7	1633.8	1613.8	1604.9
35°	1591.9	1581.0	1568.0	1547.1	1536.2
37.5°	1525.2	1513.3	1500.3	1475.5	1466.5
40°	1451.6	1440.6	1426.7	1399.8	1389.8
42.5°	1377.9	1364.9	1348.0	1322.1	1311.2
45°	1300.2	1288.3	1268.4	1241.5	1228.6
47.5°	1218.6	1208.6	1187.7	1158.9	1144.9
50°	1133.0	1125.0	1103.1	1071.3	1058.3
52.5°	1051.3	1040.4	1015.5	983.6	969.7
55°	961.7	954.8	923.9	894.0	880.1
57.5°	872.1	863.2	832.3	802.4	789.5
60°	780.5	772.6	739.7	709.9	693.9
62.5°	687.9	679.0	644.1	617.3	602.3
65°	592.4	585.4	550.6	526.7	514.7
67.5°	496.8	491.8	455.0	435.1	426.1
70°	403.2	396.2	367.4	359.4	397.2
72.5°	316.6	307.6	282.7	269.8	259.8
75°	235.0	230.0	226.0	218.0	203.1
77.5°	165.3	164.3	150.3	139.4	150.3
80°	113.5	117.5	101.5	92.6	96.6
82.5°	69.7	77.7	60.7	53.8	51.8
85°	34.8	35.8	29.9	27.9	26.9
87.5°	12.9	14.9	12.9	11.0	11.0
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)