

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: P506083

Luminaire Tested: **14PD-70-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

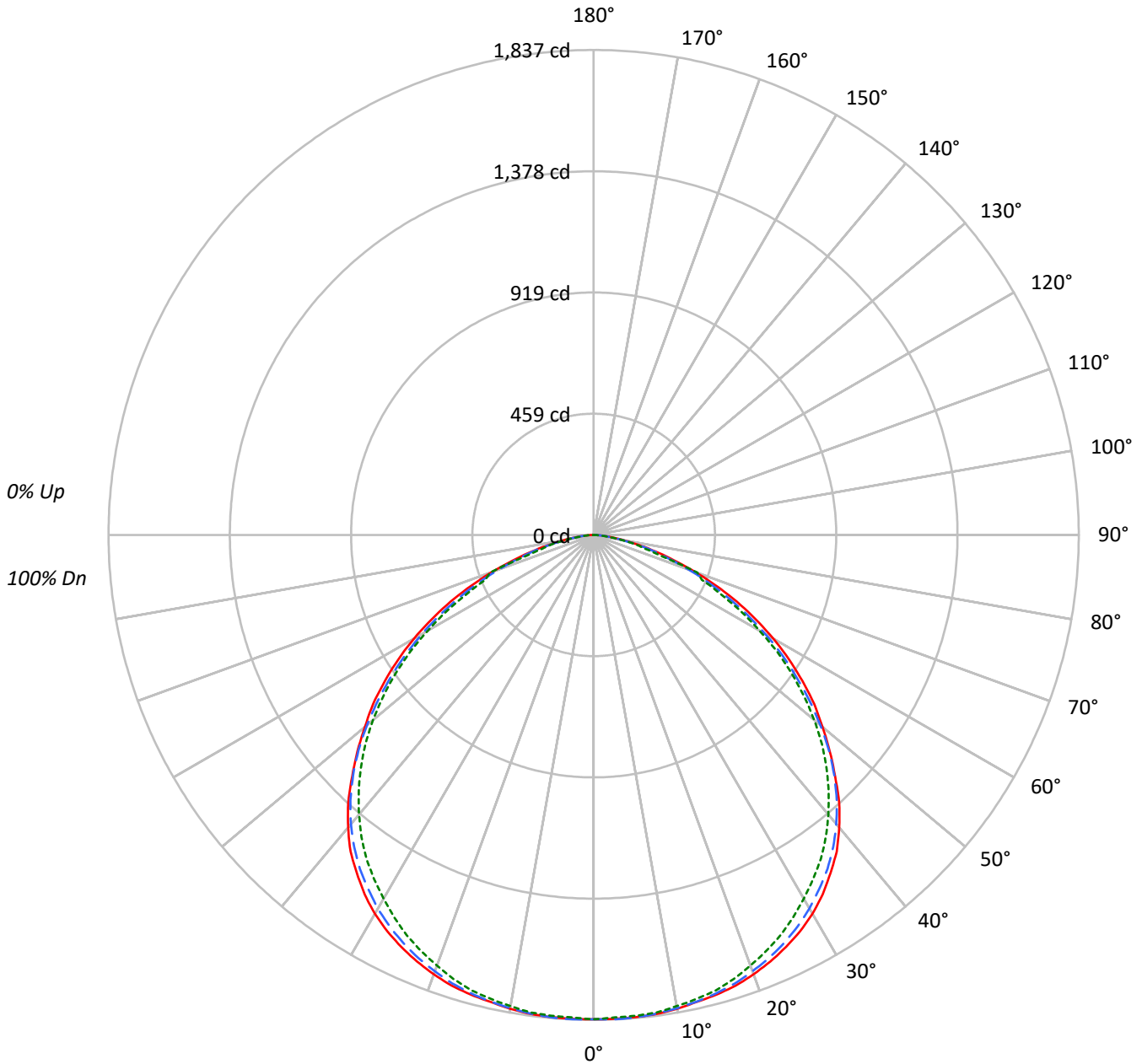
Test Method: LM-79-08  
Report Number: P506083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-70-PL1-L927  
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5098.9 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	4937	4937	4937
5°	4953	4956	4939
10°	4980	4975	4952
15°	5021	5007	4976
20°	5072	5037	4971
25°	5115	5064	4969
30°	5150	5078	4943
35°	5137	5070	4925
40°	5082	5022	4855
45°	4919	4904	4746
50°	4732	4690	4564
55°	4528	4396	4297
60°	4229	4040	3904
65°	3810	3573	3380
70°	3186	2988	3282
75°	2514	2419	2095
80°	1812	1609	1640
85°	1152	963	902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.4	3.4
10°-20°	507.0	9.9
20°-30°	783.9	15.4
30°-40°	959.4	18.8
40°-50°	983.6	19.3
50°-60°	837.7	16.4
60°-70°	559.8	11.0
70°-80°	248.1	4.9
80°-90°	44.9	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°	1465.4	28.7
0°-40°	2424.8	47.6
0°-60°	4246.1	83.3
0°-90°	5098.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5098.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1834	1830	1835	1834	1828	175
15°	1802	1796	1797	1792	1786	510
25°	1723	1717	1706	1683	1673	794
35°	1564	1560	1543	1509	1499	978
45°	1293	1297	1288	1259	1247	998
55°	965	960	937	918	916	861
65°	598	593	561	536	531	590
75°	242	245	233	234	202	262
85°	37	36	31	30	29	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1834.6	1834.6	1834.6	1834.6	1834.6
2.5°	1834.6	1831.5	1836.6	1838.6	1829.5
5°	1833.6	1829.5	1834.6	1833.6	1828.5
7.5°	1830.5	1823.5	1828.5	1826.5	1824.5
10°	1822.5	1816.4	1820.5	1817.4	1812.4
12.5°	1811.4	1807.4	1810.4	1807.4	1800.3
15°	1802.3	1796.3	1797.3	1792.3	1786.2
17.5°	1790.2	1781.2	1781.2	1771.1	1764.0
20°	1771.1	1763.0	1759.0	1744.9	1735.8
22.5°	1748.9	1742.9	1734.8	1716.7	1706.6
25°	1722.7	1716.7	1705.6	1683.4	1673.4
27.5°	1692.5	1684.5	1672.4	1646.2	1634.1
30°	1657.3	1647.2	1634.1	1604.9	1590.8
32.5°	1613.9	1606.9	1589.8	1559.5	1546.4
35°	1563.6	1559.5	1543.4	1509.2	1499.1
37.5°	1512.2	1504.1	1490.0	1453.8	1443.7
40°	1446.7	1441.7	1429.6	1394.3	1382.2
42.5°	1376.2	1373.2	1363.1	1329.8	1316.7
45°	1292.6	1296.6	1288.5	1259.3	1247.2
47.5°	1213.0	1211.0	1207.9	1181.7	1171.7
50°	1130.4	1126.3	1120.3	1099.1	1090.1
52.5°	1052.8	1044.7	1028.6	1010.5	1004.4
55°	965.1	960.1	936.9	917.8	915.8
57.5°	876.5	873.5	845.3	823.1	823.1
60°	785.8	781.8	750.6	727.4	725.4
62.5°	691.1	688.1	655.9	629.7	630.7
65°	598.4	593.4	561.1	536.0	530.9
67.5°	501.7	499.7	468.5	445.3	443.3
70°	405.0	405.0	379.8	359.7	417.1
72.5°	319.4	316.3	296.2	287.1	274.0
75°	241.8	244.8	232.7	233.7	201.5
77.5°	172.3	167.2	162.2	151.1	160.2
80°	116.9	113.8	103.8	100.7	105.8
82.5°	72.5	73.5	64.5	58.4	57.4
85°	37.3	36.3	31.2	30.2	29.2
87.5°	14.1	15.1	13.1	12.1	11.1
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)