

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: P506434

Luminaire Tested: **22PD-70-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PL1-L927  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

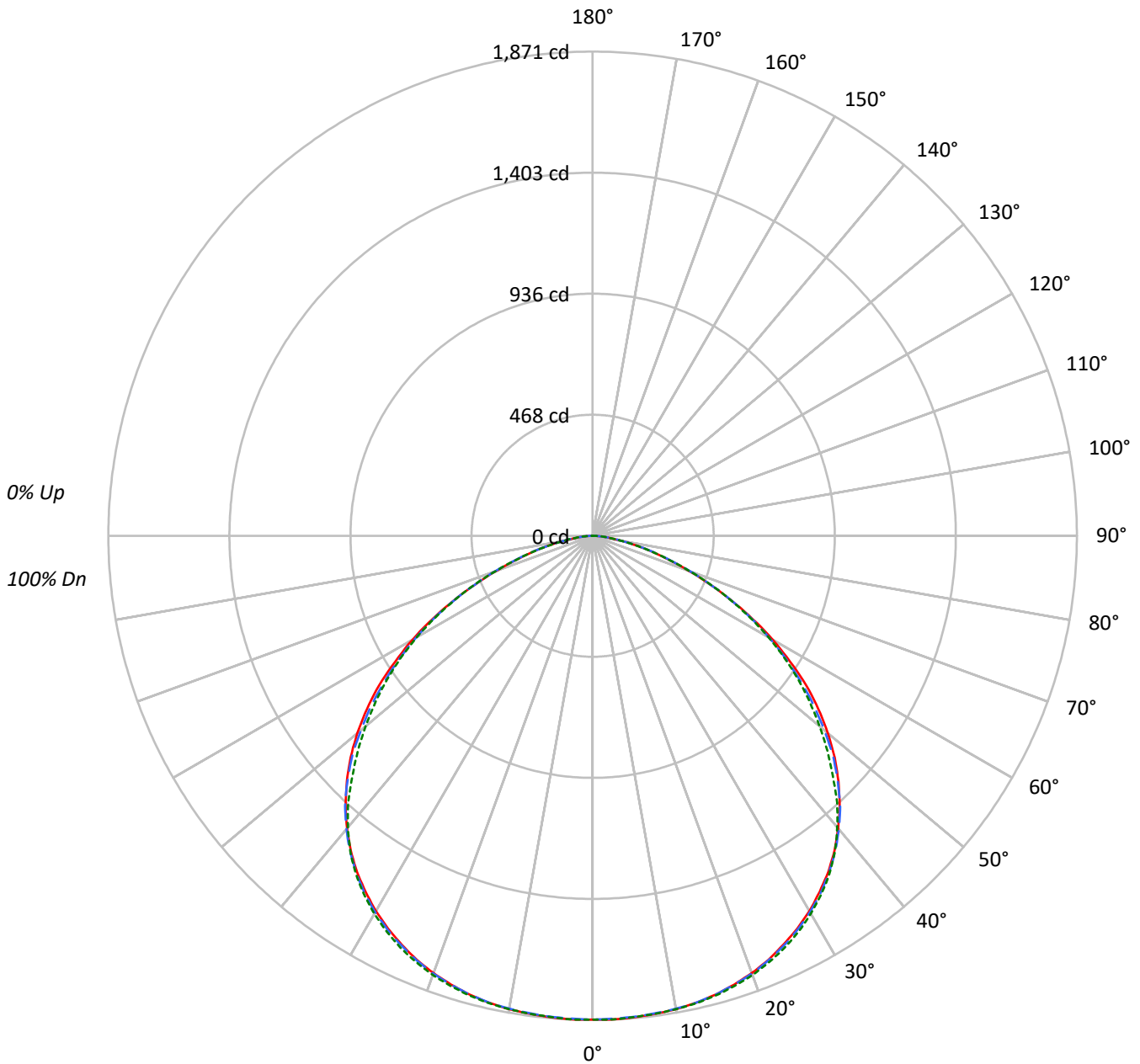
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5295.4 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
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

TEST NUMBER: P506434

CATALOG NUMBER: 22PD-70-PL1-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P506434

CATALOG NUMBER: 22PD-70-PL1-L927

**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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	5031	5031	5031
5°	5045	5039	5041
10°	5076	5071	5076
15°	5113	5113	5124
20°	5150	5156	5173
25°	5178	5189	5215
30°	5204	5220	5240
35°	5212	5229	5240
40°	5185	5198	5166
45°	5111	5095	4993
50°	4966	4889	4790
55°	4725	4605	4552
60°	4326	4244	4219
65°	3773	3764	3752
70°	3092	3144	3134
75°	2451	2491	2451
80°	1796	1785	1774
85°	1198	1179	1260



TEST NUMBER: P506434

CATALOG NUMBER: 22PD-70-PL1-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.8	3.4
10°-20°	518.7	9.8
20°-30°	806.3	15.2
30°-40°	994.0	18.8
40°-50°	1026.7	19.4
50°-60°	878.5	16.6
60°-70°	586.3	11.1
70°-80°	257.3	4.9
80°-90°	49.7	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°	1502.8	28.4
0°-40°	2496.8	47.2
0°-60°	4402.0	83.1
0°-90°	5295.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5295.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1868	1865	1866	1864	1866	178
15°	1835	1833	1835	1837	1839	519
25°	1744	1744	1748	1753	1756	804
35°	1586	1586	1592	1595	1595	991
45°	1343	1342	1339	1326	1312	1034
55°	1007	995	982	976	970	895
65°	592	591	591	593	589	588
75°	236	234	240	238	236	255
85°	39	38	38	40	41	50
90°	0	0	0	0	0	



TEST NUMBER: P506434

CATALOG NUMBER: 22PD-70-PL1-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1869.5	1869.5	1869.5	1869.5	1869.5
2.5°	1870.8	1868.2	1867.5	1867.5	1870.8
5°	1867.5	1864.9	1865.6	1864.3	1866.2
7.5°	1862.9	1860.3	1861.0	1860.3	1862.9
10°	1857.7	1855.0	1855.7	1855.0	1857.7
12.5°	1848.5	1846.5	1847.8	1848.5	1850.4
15°	1835.3	1833.3	1835.3	1836.6	1839.2
17.5°	1818.2	1816.9	1818.8	1820.8	1824.1
20°	1798.4	1797.1	1800.4	1802.4	1806.3
22.5°	1774.1	1772.8	1776.0	1780.7	1783.3
25°	1743.8	1743.8	1747.7	1753.0	1756.3
27.5°	1711.5	1710.9	1715.5	1720.8	1724.0
30°	1674.7	1673.4	1679.9	1684.5	1686.5
32.5°	1631.9	1632.5	1638.5	1643.1	1643.7
35°	1586.5	1586.5	1591.7	1595.0	1595.0
37.5°	1534.5	1533.8	1539.1	1540.4	1538.4
40°	1475.9	1476.5	1479.8	1479.2	1470.6
42.5°	1412.7	1413.3	1416.0	1406.8	1398.2
45°	1342.9	1342.2	1338.9	1326.4	1312.0
47.5°	1268.5	1265.2	1260.0	1240.9	1230.3
50°	1186.2	1181.0	1167.8	1152.7	1144.1
52.5°	1099.3	1090.1	1077.0	1065.1	1057.9
55°	1007.2	994.7	981.5	976.2	970.3
57.5°	904.5	896.6	885.4	882.8	878.8
60°	803.8	795.2	788.6	788.6	784.0
62.5°	698.4	693.2	690.5	691.9	687.2
65°	592.5	591.1	591.1	593.1	589.2
67.5°	489.8	492.4	491.7	498.3	493.1
70°	393.0	397.6	399.6	406.2	398.3
72.5°	309.4	310.1	312.7	314.7	310.7
75°	235.7	233.7	239.6	238.3	235.7
77.5°	170.5	169.2	171.2	172.5	169.2
80°	115.9	114.5	115.2	117.2	114.5
82.5°	73.1	71.8	71.8	73.7	73.1
85°	38.8	38.2	38.2	39.5	40.8
87.5°	13.8	13.2	13.8	13.8	13.8
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)