

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: P506446

Luminaire Tested: **22PD-70-PR1-L940**

Issue Date: 3/26/2021



**Test Information**

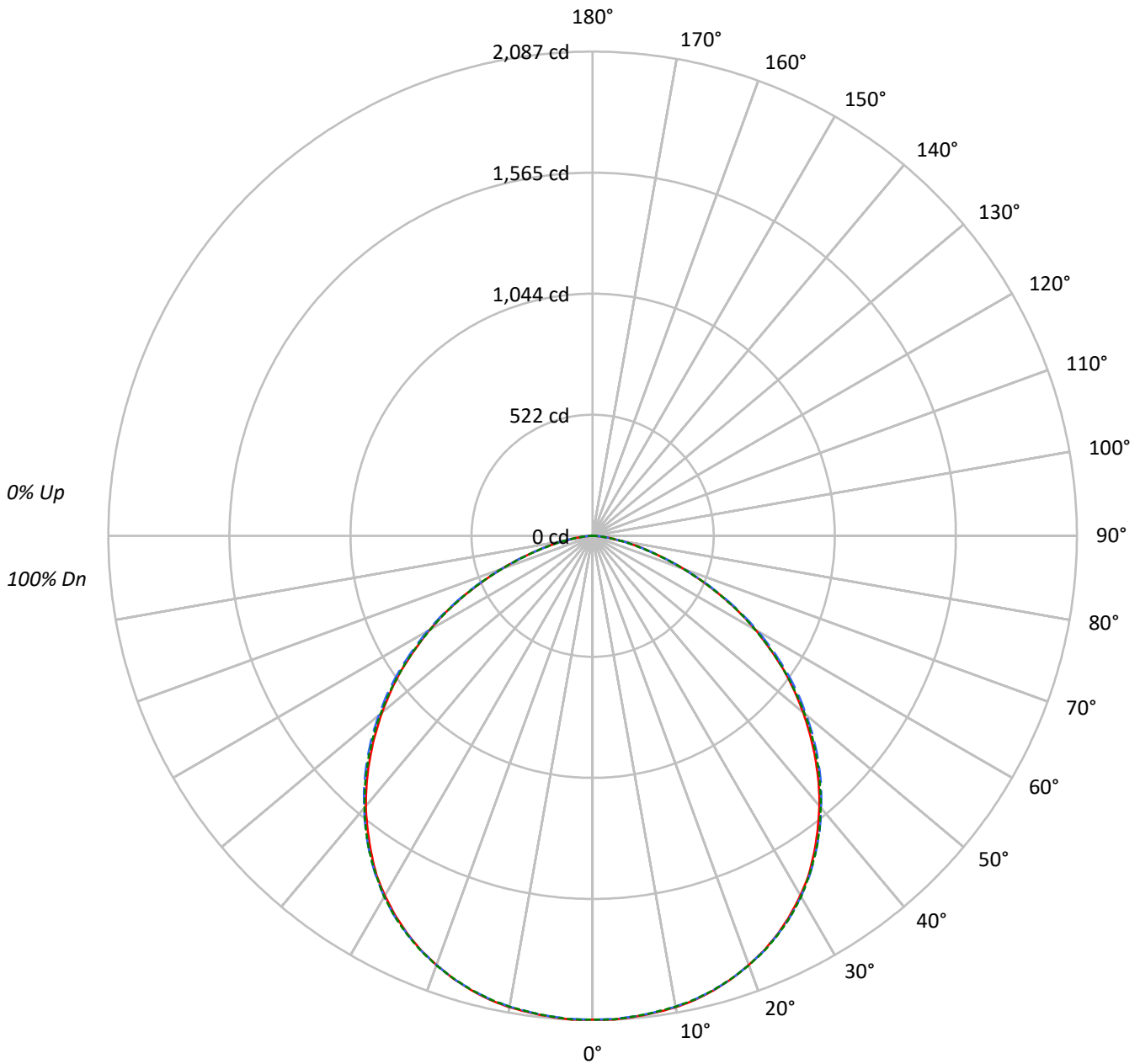
Test Method: LM-79-08  
Report Number: P506446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PR1-L940  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5574.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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

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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	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

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

	0°	45°	90°
0°	5613	5613	5613
5°	5622	5618	5618
10°	5639	5631	5631
15°	5646	5640	5642
20°	5638	5636	5640
25°	5614	5620	5624
30°	5564	5581	5583
35°	5470	5500	5497
40°	5342	5379	5371
45°	5167	5233	5206
50°	4957	5033	4992
55°	4705	4780	4712
60°	4363	4422	4348
65°	3892	3932	3887
70°	3274	3274	3252
75°	2565	2565	2536
80°	1880	1858	1847
85°	1226	1226	1247



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.9	3.6
10°-20°	571.6	10.3
20°-30°	871.9	15.6
30°-40°	1045.0	18.7
40°-50°	1055.4	18.9
50°-60°	903.0	16.2
60°-70°	608.9	10.9
70°-80°	268.6	4.8
80°-90°	51.6	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°	1641.5	29.4
0°-40°	2686.5	48.2
0°-60°	4644.9	83.3
0°-90°	5574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5574.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2081	2078	2080	2078	2080	198
15°	2027	2026	2025	2024	2025	572
25°	1891	1893	1893	1893	1894	871
35°	1665	1675	1674	1673	1673	1041
45°	1358	1368	1375	1373	1368	1046
55°	1003	1012	1019	1018	1004	894
65°	611	616	618	616	610	604
75°	247	247	247	247	244	269
85°	40	40	40	40	40	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2087.4	2084.6	2083.9	2083.2	2086.0
5°	2081.1	2078.3	2079.7	2078.3	2079.7
7.5°	2073.4	2070.6	2071.3	2069.9	2071.3
10°	2063.7	2060.9	2060.9	2059.5	2060.9
12.5°	2048.3	2046.3	2045.6	2044.2	2046.3
15°	2026.7	2026.0	2024.6	2024.0	2025.3
17.5°	2000.3	1998.9	2000.3	1998.2	1999.6
20°	1968.9	1969.6	1968.2	1968.9	1969.6
22.5°	1933.3	1933.3	1934.0	1934.0	1935.4
25°	1890.8	1892.9	1892.9	1892.9	1894.3
27.5°	1843.4	1846.2	1848.3	1846.9	1848.3
30°	1790.5	1795.4	1796.0	1795.4	1796.7
32.5°	1733.3	1736.8	1738.9	1737.5	1736.1
35°	1665.0	1674.8	1674.1	1672.7	1673.4
37.5°	1593.2	1603.0	1606.5	1603.7	1604.4
40°	1520.8	1529.1	1531.2	1531.9	1529.1
42.5°	1440.6	1450.4	1458.0	1454.5	1450.4
45°	1357.7	1368.1	1375.1	1373.0	1368.1
47.5°	1271.9	1281.7	1291.5	1288.0	1283.1
50°	1184.1	1193.9	1202.2	1200.8	1192.5
52.5°	1094.2	1105.4	1113.0	1110.2	1099.1
55°	1002.9	1012.0	1018.9	1017.6	1004.3
57.5°	903.9	915.8	919.3	917.2	907.4
60°	810.6	818.2	821.7	818.9	807.8
62.5°	710.9	717.2	720.0	719.3	711.6
65°	611.2	616.1	617.5	616.1	610.5
67.5°	508.8	515.7	516.4	516.4	510.9
70°	416.1	418.2	416.1	421.7	413.3
72.5°	326.2	327.6	326.2	326.2	322.7
75°	246.7	247.4	246.7	247.4	243.9
77.5°	178.4	179.8	177.0	179.1	175.6
80°	121.3	121.3	119.9	120.6	119.2
82.5°	75.3	76.7	74.6	74.6	73.9
85°	39.7	39.7	39.7	40.4	40.4
87.5°	13.9	13.9	14.6	14.6	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)