

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: P506438

Luminaire Tested: **22PD-70-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

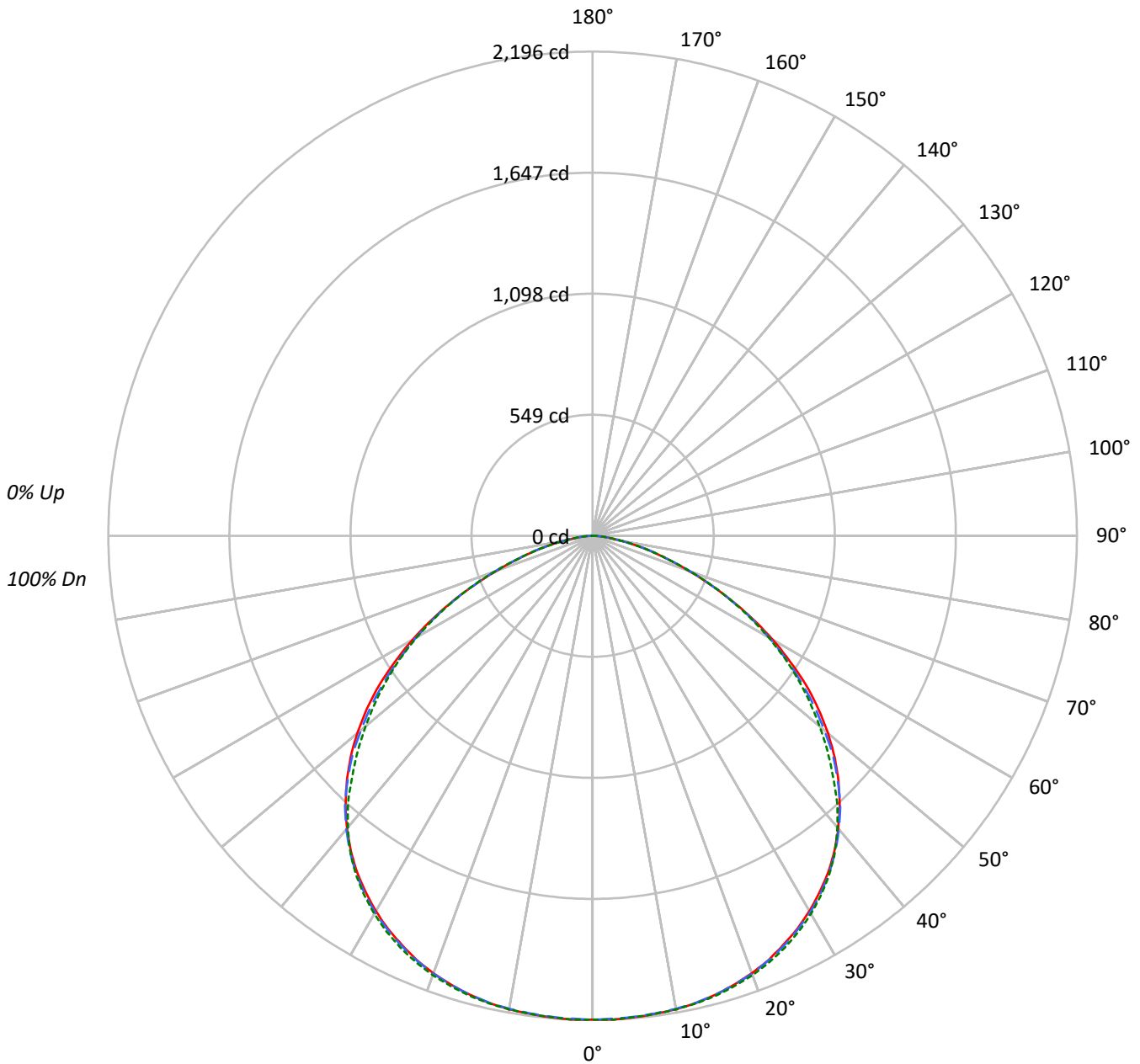
Test Method: LM-79-08  
Report Number: P506438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PL1-L950  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6216.4 lumens  
Efficiency: N/A  
Efficacy: 97.3 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

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CATALOG NUMBER: 22PD-70-PL1-L950

### 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	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°	5906	5906	5906
5°	5922	5916	5918
10°	5959	5953	5959
15°	6002	6002	6015
20°	6046	6053	6072
25°	6078	6092	6122
30°	6109	6128	6152
35°	6118	6138	6151
40°	6086	6102	6065
45°	6000	5982	5861
50°	5830	5739	5623
55°	5547	5406	5344
60°	5078	4983	4954
65°	4429	4419	4404
70°	3630	3691	3678
75°	2877	2925	2877
80°	2108	2095	2084
85°	1408	1383	1479



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.7	3.4
10°-20°	609.0	9.8
20°-30°	946.5	15.2
30°-40°	1166.9	18.8
40°-50°	1205.3	19.4
50°-60°	1031.3	16.6
60°-70°	688.3	11.1
70°-80°	302.0	4.9
80°-90°	58.4	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°	1764.2	28.4
0°-40°	2931.1	47.2
0°-60°	5167.7	83.1
0°-90°	6216.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6216.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2192	2189	2190	2188	2191	209
15°	2154	2152	2154	2156	2159	609
25°	2047	2047	2052	2058	2062	944
35°	1862	1862	1869	1872	1872	1164
45°	1576	1576	1572	1557	1540	1214
55°	1182	1168	1152	1146	1139	1051
65°	696	694	694	696	692	690
75°	277	274	281	280	277	300
85°	46	45	45	46	48	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2194.7	2194.7	2194.7	2194.7	2194.7
2.5°	2196.3	2193.2	2192.4	2192.4	2196.3
5°	2192.4	2189.3	2190.1	2188.5	2190.9
7.5°	2187.0	2183.9	2184.7	2183.9	2187.0
10°	2180.8	2177.7	2178.5	2177.7	2180.8
12.5°	2170.0	2167.7	2169.2	2170.0	2172.3
15°	2154.5	2152.2	2154.5	2156.1	2159.2
17.5°	2134.4	2132.9	2135.2	2137.5	2141.4
20°	2111.3	2109.7	2113.6	2115.9	2120.5
22.5°	2082.7	2081.1	2085.0	2090.4	2093.5
25°	2047.1	2047.1	2051.8	2057.9	2061.8
27.5°	2009.3	2008.5	2013.9	2020.1	2023.9
30°	1966.0	1964.4	1972.2	1977.6	1979.9
32.5°	1915.7	1916.5	1923.5	1928.9	1929.7
35°	1862.4	1862.4	1868.6	1872.5	1872.5
37.5°	1801.4	1800.6	1806.8	1808.3	1806.0
40°	1732.6	1733.4	1737.2	1736.5	1726.4
42.5°	1658.4	1659.2	1662.3	1651.4	1641.4
45°	1576.5	1575.7	1571.9	1557.2	1540.2
47.5°	1489.2	1485.3	1479.1	1456.7	1444.3
50°	1392.6	1386.4	1370.9	1353.2	1343.1
52.5°	1290.6	1279.7	1264.3	1250.4	1241.9
55°	1182.4	1167.7	1152.2	1146.0	1139.1
57.5°	1061.8	1052.5	1039.4	1036.3	1031.7
60°	943.6	933.5	925.8	925.8	920.4
62.5°	819.9	813.7	810.7	812.2	806.8
65°	695.5	694.0	694.0	696.3	691.6
67.5°	575.0	578.0	577.3	585.0	578.8
70°	461.4	466.8	469.1	476.8	467.5
72.5°	363.2	364.0	367.1	369.4	364.8
75°	276.7	274.3	281.3	279.7	276.7
77.5°	200.2	198.6	200.9	202.5	198.6
80°	136.0	134.5	135.2	137.6	134.5
82.5°	85.8	84.2	84.2	86.6	85.8
85°	45.6	44.8	44.8	46.4	47.9
87.5°	16.2	15.5	16.2	16.2	16.2
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)