

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: P506456

Luminaire Tested: **22PD-70-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

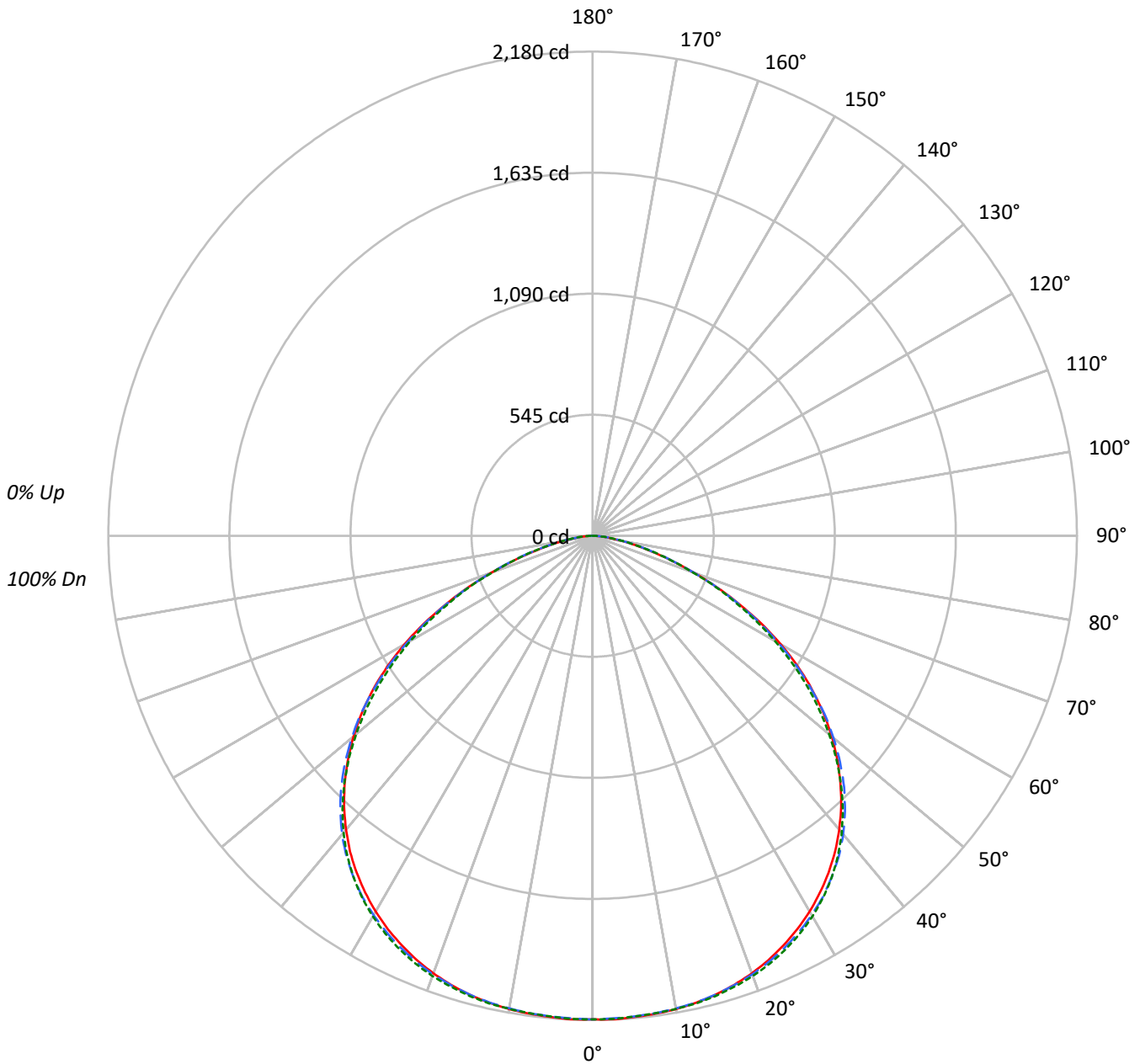
Test Method: LM-79-08  
Report Number: P506456  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PW1-L950  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6294.1 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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-PW1-L950

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

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

	0°	45°	90°
0°	5859	5859	5859
5°	5876	5867	5869
10°	5914	5905	5911
15°	5960	5958	5975
20°	6004	6017	6042
25°	6040	6075	6102
30°	6069	6128	6149
35°	6084	6164	6166
40°	6066	6165	6129
45°	6006	6092	6018
50°	5884	5926	5819
55°	5655	5630	5524
60°	5265	5206	5097
65°	4643	4599	4509
70°	3803	3821	3741
75°	2880	2978	2953
80°	2086	2171	2134
85°	1371	1417	1513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.0	3.3
10°-20°	604.7	9.6
20°-30°	942.8	15.0
30°-40°	1168.6	18.6
40°-50°	1222.8	19.4
50°-60°	1065.5	16.9
60°-70°	713.8	11.3
70°-80°	309.4	4.9
80°-90°	59.6	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°	1754.6	27.9
0°-40°	2923.1	46.4
0°-60°	5211.4	82.8
0°-90°	6294.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6294.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2177	2177	2177	2177	2177	
5°	2175	2173	2172	2171	2173	207
15°	2139	2136	2138	2141	2145	604
25°	2034	2035	2046	2052	2055	938
35°	1852	1859	1876	1879	1877	1158
45°	1578	1587	1601	1588	1581	1215
55°	1205	1205	1200	1187	1177	1073
65°	729	725	722	715	708	721
75°	277	282	286	284	284	305
85°	44	48	46	47	49	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2177.4	2177.4	2177.4	2177.4	2177.4
2.5°	2179.8	2175.9	2175.1	2175.1	2177.4
5°	2175.1	2172.7	2172.0	2171.2	2172.7
7.5°	2170.4	2167.3	2168.1	2166.5	2168.1
10°	2164.2	2161.1	2161.1	2161.1	2163.4
12.5°	2153.3	2151.0	2151.7	2153.3	2156.4
15°	2139.3	2136.2	2138.5	2140.8	2144.7
17.5°	2119.8	2117.5	2121.4	2125.3	2128.4
20°	2096.5	2094.1	2101.2	2106.6	2109.7
22.5°	2067.7	2066.9	2076.3	2082.5	2084.8
25°	2034.2	2035.0	2045.9	2052.1	2055.2
27.5°	1996.1	1997.7	2011.7	2017.1	2020.2
30°	1953.3	1957.2	1972.0	1976.6	1979.0
32.5°	1905.0	1910.5	1928.4	1931.5	1931.5
35°	1852.1	1859.1	1876.3	1878.6	1877.0
37.5°	1793.0	1800.8	1820.2	1817.1	1814.8
40°	1726.8	1735.4	1754.9	1748.6	1744.7
42.5°	1656.0	1664.6	1681.7	1672.4	1666.9
45°	1578.2	1586.8	1600.8	1587.5	1581.3
47.5°	1494.2	1504.3	1511.3	1496.5	1488.7
50°	1405.4	1408.6	1415.6	1398.4	1389.9
52.5°	1308.9	1308.9	1314.4	1295.7	1285.6
55°	1205.4	1204.7	1200.0	1186.8	1177.4
57.5°	1095.7	1091.0	1087.9	1073.9	1063.0
60°	978.2	971.2	967.3	955.6	947.1
62.5°	855.2	851.4	846.7	837.3	828.0
65°	729.2	725.3	722.2	715.2	708.2
67.5°	603.9	601.6	601.6	596.9	596.1
70°	483.3	484.8	485.6	485.6	475.5
72.5°	374.3	375.1	379.0	375.9	375.1
75°	277.0	281.7	286.4	284.0	284.0
77.5°	199.2	206.2	206.2	204.7	202.3
80°	134.6	137.7	140.1	139.3	137.7
82.5°	85.6	87.9	85.6	87.2	87.9
85°	44.4	47.5	45.9	46.7	49.0
87.5°	14.8	16.3	17.1	16.3	16.3
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)