

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: P506430

Luminaire Tested: **22PD-70-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

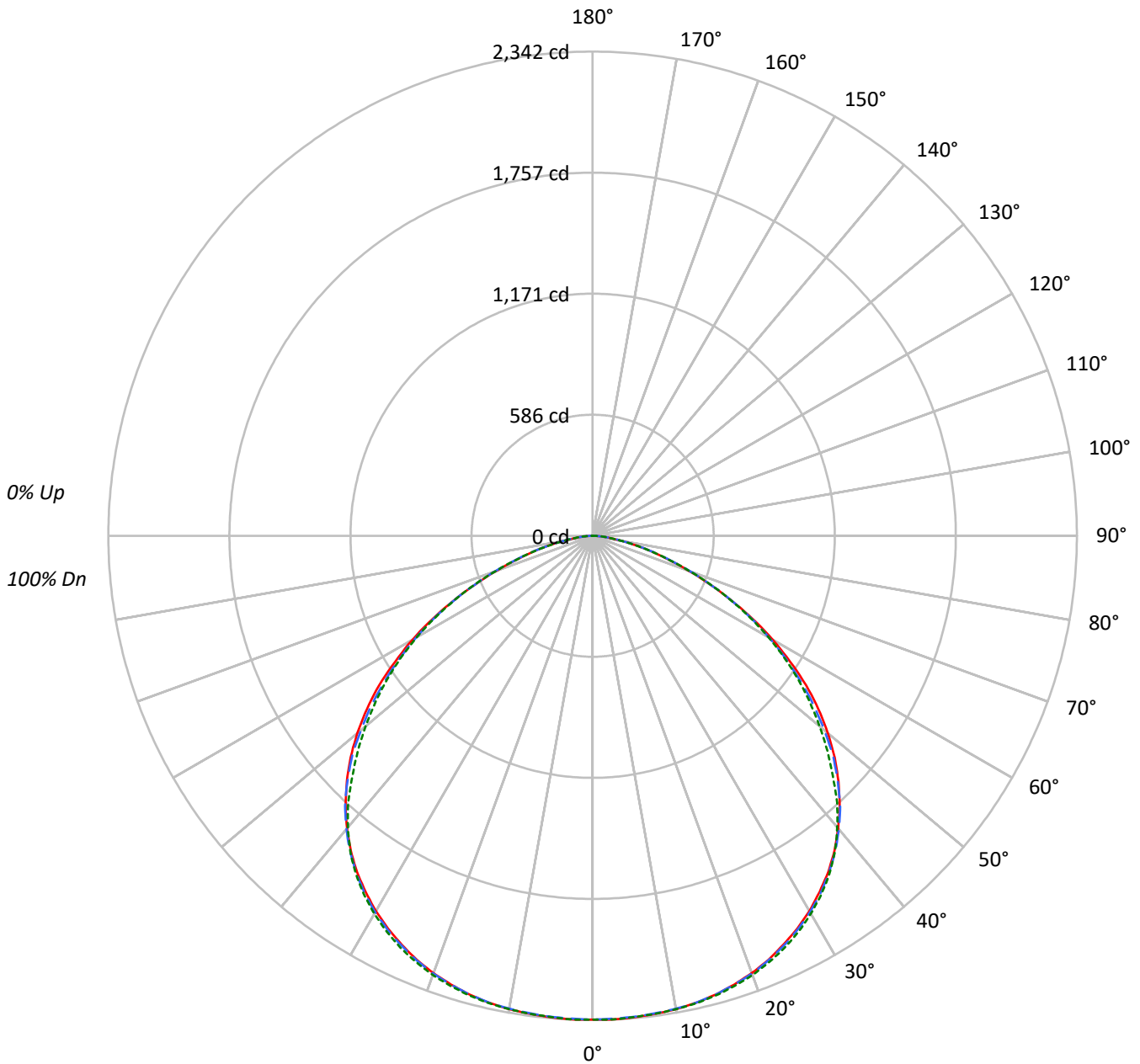
Test Method: LM-79-08  
Report Number: P506430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-70-PL1-L830  
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6628.3 lumens  
Efficiency: N/A  
Efficacy: 103.7 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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### 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°	6297	6297	6297
5°	6315	6308	6310
10°	6354	6347	6354
15°	6400	6400	6414
20°	6447	6454	6475
25°	6481	6496	6527
30°	6513	6534	6560
35°	6524	6545	6559
40°	6490	6507	6466
45°	6397	6378	6250
50°	6216	6120	5995
55°	5915	5764	5698
60°	5415	5313	5282
65°	4722	4711	4696
70°	3870	3936	3922
75°	3067	3118	3067
80°	2247	2235	2222
85°	1501	1476	1578



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.5	3.4
10°-20°	649.3	9.8
20°-30°	1009.3	15.2
30°-40°	1244.2	18.8
40°-50°	1285.2	19.4
50°-60°	1099.7	16.6
60°-70°	733.9	11.1
70°-80°	322.1	4.9
80°-90°	62.3	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°	1881.1	28.4
0°-40°	3125.3	47.2
0°-60°	5510.1	83.1
0°-90°	6628.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6628.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2340	2340	2340	2340	2340	
5°	2338	2334	2335	2334	2336	223
15°	2297	2295	2297	2299	2302	649
25°	2183	2183	2188	2194	2198	1007
35°	1986	1986	1992	1996	1996	1241
45°	1681	1680	1676	1660	1642	1294
55°	1261	1245	1229	1222	1215	1121
65°	742	740	740	742	738	736
75°	295	292	300	298	295	320
85°	49	48	48	49	51	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2340.1	2340.1	2340.1	2340.1	2340.1
2.5°	2341.8	2338.5	2337.7	2337.7	2341.8
5°	2337.7	2334.4	2335.2	2333.6	2336.0
7.5°	2331.9	2328.6	2329.4	2328.6	2331.9
10°	2325.3	2322.0	2322.8	2322.0	2325.3
12.5°	2313.8	2311.3	2313.0	2313.8	2316.3
15°	2297.3	2294.8	2297.3	2298.9	2302.2
17.5°	2275.9	2274.2	2276.7	2279.2	2283.3
20°	2251.2	2249.5	2253.6	2256.1	2261.0
22.5°	2220.7	2219.0	2223.1	2228.9	2232.2
25°	2182.8	2182.8	2187.7	2194.3	2198.4
27.5°	2142.4	2141.6	2147.3	2153.9	2158.0
30°	2096.2	2094.6	2102.8	2108.6	2111.1
32.5°	2042.7	2043.5	2050.9	2056.7	2057.5
35°	1985.8	1985.8	1992.4	1996.5	1996.5
37.5°	1920.7	1919.9	1926.5	1928.1	1925.7
40°	1847.4	1848.2	1852.3	1851.5	1840.8
42.5°	1768.3	1769.1	1772.4	1760.9	1750.2
45°	1681.0	1680.1	1676.0	1660.4	1642.2
47.5°	1587.8	1583.7	1577.1	1553.2	1540.0
50°	1484.8	1478.2	1461.8	1442.8	1432.1
52.5°	1376.1	1364.5	1348.1	1333.2	1324.2
55°	1260.7	1245.1	1228.6	1222.0	1214.6
57.5°	1132.2	1122.3	1108.3	1105.0	1100.0
60°	1006.1	995.4	987.1	987.1	981.4
62.5°	874.3	867.7	864.4	866.0	860.3
65°	741.6	739.9	739.9	742.4	737.5
67.5°	613.1	616.3	615.5	623.8	617.2
70°	491.9	497.7	500.2	508.4	498.5
72.5°	387.3	388.1	391.4	393.9	388.9
75°	295.0	292.5	299.9	298.3	295.0
77.5°	213.4	211.8	214.2	215.9	211.8
80°	145.0	143.4	144.2	146.7	143.4
82.5°	91.5	89.8	89.8	92.3	91.5
85°	48.6	47.8	47.8	49.4	51.1
87.5°	17.3	16.5	17.3	17.3	17.3
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)