

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: P506376

Luminaire Tested: **22PD-60-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506376  
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-60-PL1-L830  
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

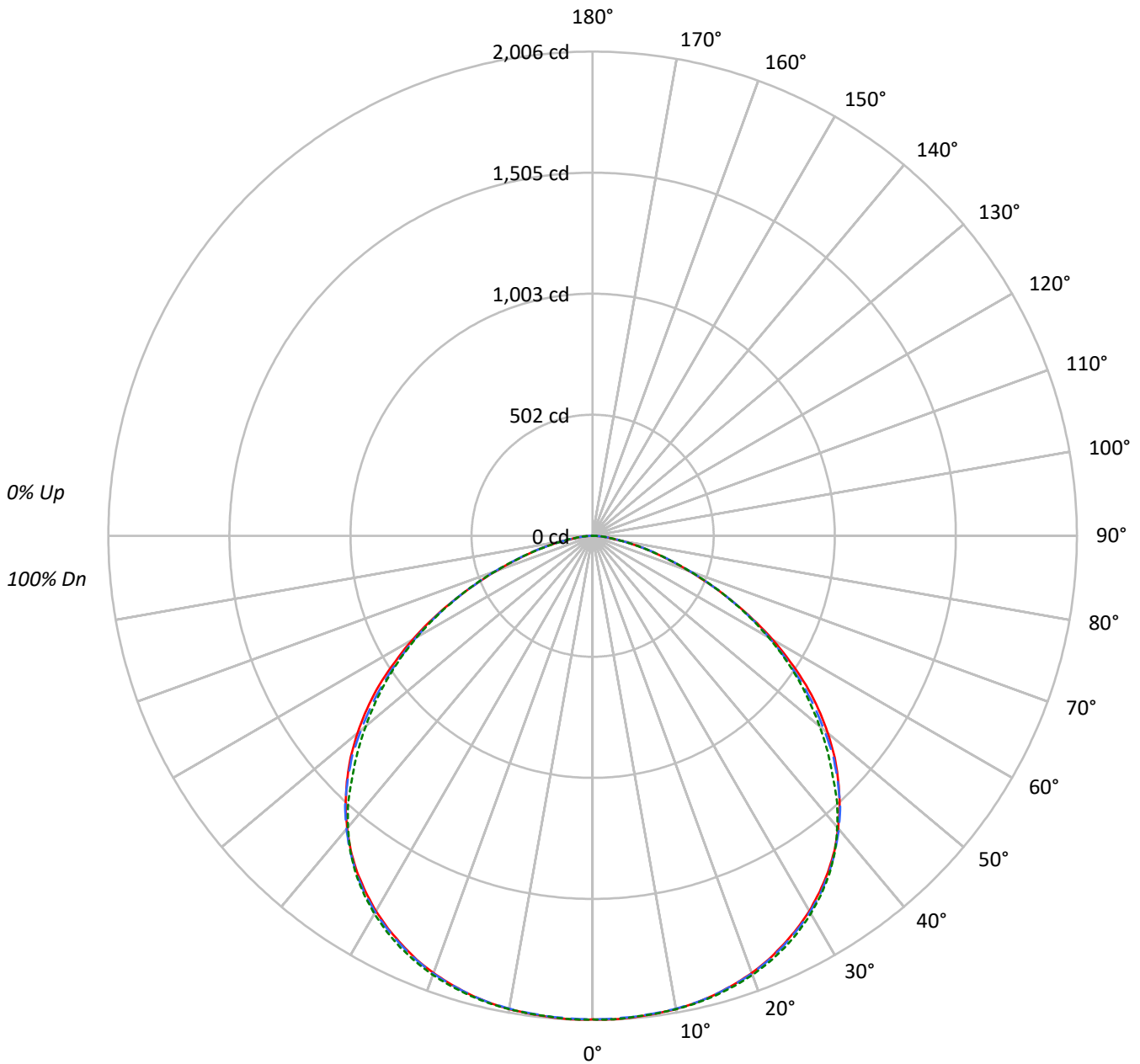
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5676.5 lumens  
Efficiency: N/A  
Efficacy: 108.1 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): 52.5  
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					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								
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	64	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°	5393	5393	5393
5°	5408	5402	5404
10°	5441	5436	5441
15°	5481	5481	5493
20°	5521	5527	5545
25°	5550	5563	5590
30°	5578	5596	5618
35°	5587	5605	5617
40°	5558	5572	5538
45°	5479	5462	5352
50°	5323	5241	5134
55°	5065	4936	4880
60°	4637	4550	4523
65°	4044	4035	4022
70°	3315	3370	3359
75°	2626	2671	2626
80°	1925	1914	1903
85°	1284	1263	1352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.6	3.4
10°-20°	556.1	9.8
20°-30°	864.3	15.2
30°-40°	1065.5	18.8
40°-50°	1100.6	19.4
50°-60°	941.7	16.6
60°-70°	628.5	11.1
70°-80°	275.8	4.9
80°-90°	53.3	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°	1611.0	28.4
0°-40°	2676.5	47.2
0°-60°	4718.8	83.1
0°-90°	5676.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5676.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	2002	1999	2000	1998	2001	191
15°	1967	1965	1967	1969	1972	556
25°	1869	1869	1874	1879	1883	862
35°	1701	1701	1706	1710	1710	1063
45°	1440	1439	1435	1422	1406	1108
55°	1080	1066	1052	1046	1040	960
65°	635	634	634	636	632	630
75°	253	250	257	256	253	274
85°	42	41	41	42	44	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2004.1	2004.1	2004.1	2004.1	2004.1
2.5°	2005.5	2002.7	2002.0	2002.0	2005.5
5°	2002.0	1999.1	1999.9	1998.4	2000.6
7.5°	1997.0	1994.2	1994.9	1994.2	1997.0
10°	1991.4	1988.6	1989.3	1988.6	1991.4
12.5°	1981.5	1979.4	1980.8	1981.5	1983.6
15°	1967.4	1965.3	1967.4	1968.8	1971.6
17.5°	1949.0	1947.6	1949.8	1951.9	1955.4
20°	1927.9	1926.5	1930.0	1932.1	1936.3
22.5°	1901.8	1900.4	1903.9	1908.8	1911.6
25°	1869.3	1869.3	1873.5	1879.2	1882.7
27.5°	1834.7	1834.0	1839.0	1844.6	1848.1
30°	1795.2	1793.8	1800.9	1805.8	1807.9
32.5°	1749.3	1750.0	1756.4	1761.3	1762.0
35°	1700.7	1700.7	1706.3	1709.8	1709.8
37.5°	1644.9	1644.2	1649.8	1651.3	1649.1
40°	1582.1	1582.8	1586.3	1585.6	1576.5
42.5°	1514.4	1515.1	1517.9	1508.0	1498.8
45°	1439.6	1438.9	1435.3	1421.9	1406.4
47.5°	1359.8	1356.3	1350.6	1330.2	1318.9
50°	1271.6	1266.0	1251.8	1235.6	1226.4
52.5°	1178.5	1168.6	1154.5	1141.8	1134.0
55°	1079.7	1066.3	1052.1	1046.5	1040.1
57.5°	969.6	961.1	949.1	946.3	942.1
60°	861.6	852.4	845.4	845.4	840.4
62.5°	748.7	743.1	740.2	741.7	736.7
65°	635.1	633.7	633.7	635.8	631.6
67.5°	525.0	527.8	527.1	534.2	528.5
70°	421.3	426.2	428.3	435.4	426.9
72.5°	331.7	332.4	335.2	337.3	333.1
75°	252.6	250.5	256.9	255.5	252.6
77.5°	182.8	181.4	183.5	184.9	181.4
80°	124.2	122.8	123.5	125.6	122.8
82.5°	78.3	76.9	76.9	79.0	78.3
85°	41.6	40.9	40.9	42.3	43.8
87.5°	14.8	14.1	14.8	14.8	14.8
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)