

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: P506732

Luminaire Tested: **24PD-60-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PL1-L930  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

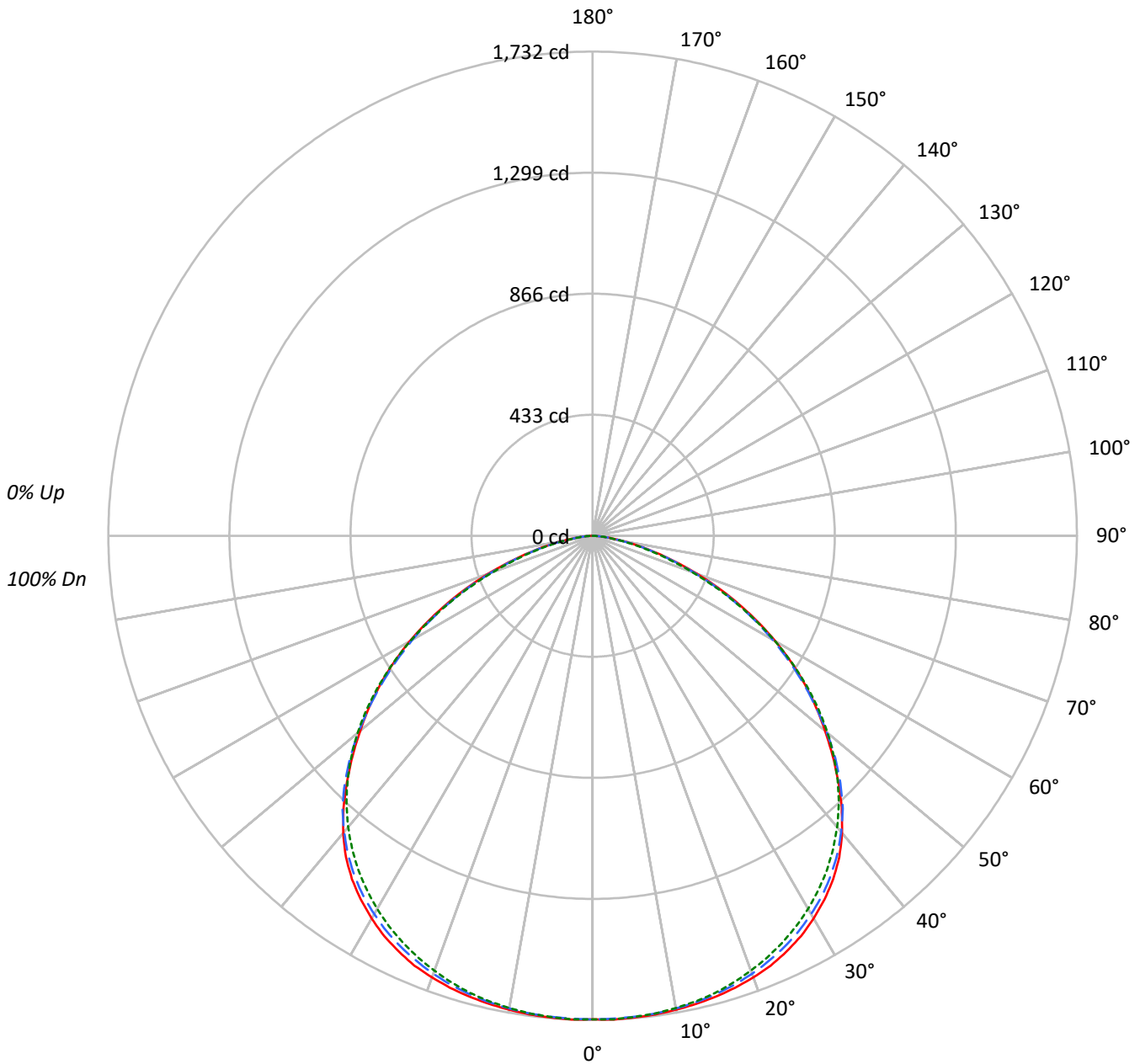
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4962.3 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.9  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	2327	2327	2327
5°	2336	2333	2333
10°	2352	2346	2344
15°	2377	2365	2358
20°	2407	2387	2370
25°	2436	2409	2385
30°	2456	2428	2394
35°	2464	2439	2399
40°	2438	2428	2389
45°	2363	2385	2359
50°	2272	2288	2296
55°	2173	2157	2189
60°	2033	2000	2025
65°	1829	1793	1791
70°	1558	1522	1487
75°	1226	1199	1150
80°	877	852	804
85°	519	513	475



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.6	3.3
10°-20°	480.1	9.7
20°-30°	748.5	15.1
30°-40°	926.2	18.7
40°-50°	960.1	19.3
50°-60°	826.7	16.7
60°-70°	560.9	11.3
70°-80°	250.3	5.0
80°-90°	45.0	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°	1393.2	28.1
0°-40°	2319.4	46.7
0°-60°	4106.2	82.7
0°-90°	4962.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4962.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1730	1728	1727	1727	1728	165
15°	1707	1702	1698	1694	1693	483
25°	1641	1635	1623	1611	1606	757
35°	1500	1496	1485	1469	1460	936
45°	1242	1248	1253	1249	1240	957
55°	926	927	919	930	933	826
65°	575	577	563	557	563	568
75°	236	238	231	226	221	256
85°	34	34	33	33	31	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1729.8	1729.8	1729.8	1729.8	1729.8
2.5°	1732.2	1728.4	1728.9	1729.3	1731.2
5°	1729.8	1727.5	1727.0	1727.0	1727.5
7.5°	1727.0	1724.1	1723.7	1723.2	1723.2
10°	1721.8	1718.9	1717.0	1716.1	1715.6
12.5°	1714.7	1711.3	1709.0	1707.1	1705.7
15°	1706.6	1701.9	1698.1	1694.3	1692.9
17.5°	1695.2	1691.0	1684.3	1678.2	1675.8
20°	1681.0	1676.8	1667.3	1658.8	1655.5
22.5°	1664.5	1658.3	1646.5	1637.0	1632.2
25°	1641.2	1635.1	1622.8	1610.9	1606.2
27.5°	1614.2	1608.6	1595.3	1581.1	1575.4
30°	1580.6	1576.8	1562.6	1547.0	1540.8
32.5°	1543.2	1539.4	1527.1	1509.6	1502.5
35°	1500.1	1495.8	1484.9	1468.8	1460.3
37.5°	1448.9	1447.5	1437.1	1420.5	1412.5
40°	1387.8	1390.7	1382.6	1368.4	1360.4
42.5°	1318.2	1324.4	1324.4	1311.1	1303.1
45°	1241.9	1247.6	1253.3	1248.6	1239.6
47.5°	1163.8	1170.0	1176.6	1178.5	1170.9
50°	1085.2	1089.0	1093.2	1101.7	1097.0
52.5°	1007.0	1008.4	1007.0	1018.4	1017.4
55°	926.5	927.0	919.4	929.8	933.1
57.5°	842.6	844.1	831.8	837.4	844.5
60°	755.5	756.9	743.2	744.1	752.7
62.5°	665.5	667.4	653.7	650.3	657.9
65°	574.6	576.9	563.2	557.0	562.7
67.5°	484.1	486.9	474.1	466.6	468.0
70°	396.0	398.4	387.0	379.9	378.0
72.5°	312.1	314.5	305.5	298.4	295.1
75°	235.9	237.8	230.7	225.5	221.2
77.5°	169.6	171.0	165.3	161.5	157.3
80°	113.2	113.7	109.9	107.5	103.7
82.5°	67.7	68.2	65.8	64.9	62.1
85°	33.6	34.1	33.2	33.2	30.8
87.5°	11.8	11.4	11.8	11.8	10.4
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)