

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: P506399

Luminaire Tested: **22PD-60-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506399  
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-60-PW1-L930  
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

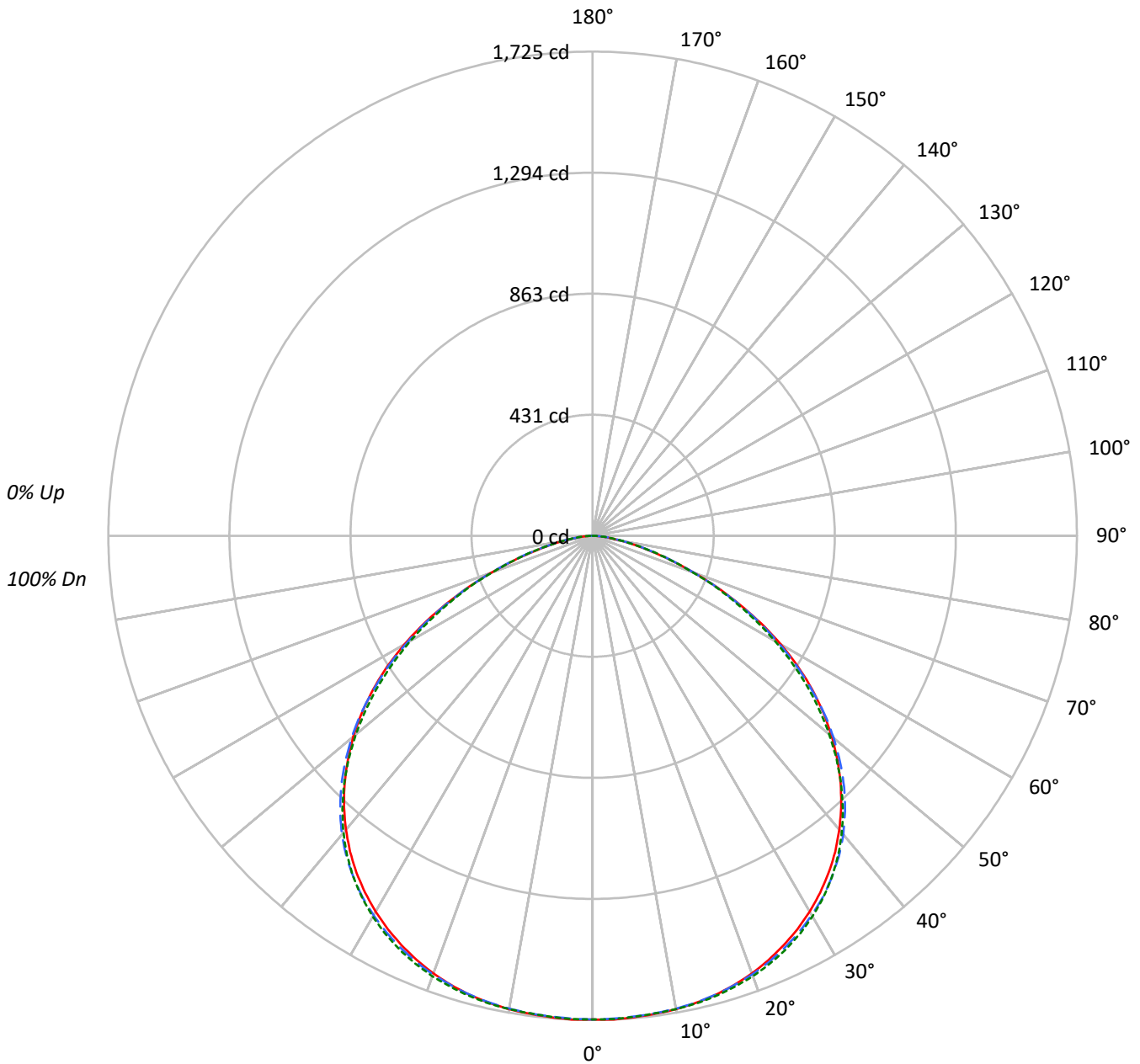
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4981.6 lumens  
Efficiency: N/A  
Efficacy: 94.9 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): 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									
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	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	4638	4638	4638
5°	4650	4644	4645
10°	4680	4674	4679
15°	4717	4715	4729
20°	4752	4762	4782
25°	4780	4808	4830
30°	4804	4850	4867
35°	4816	4878	4880
40°	4801	4879	4851
45°	4754	4822	4763
50°	4657	4690	4605
55°	4476	4456	4372
60°	4167	4120	4034
65°	3675	3640	3569
70°	3009	3024	2961
75°	2280	2357	2337
80°	1652	1719	1689
85°	1084	1121	1198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.9	3.3
10°-20°	478.6	9.6
20°-30°	746.2	15.0
30°-40°	924.9	18.6
40°-50°	967.8	19.4
50°-60°	843.3	16.9
60°-70°	564.9	11.3
70°-80°	244.9	4.9
80°-90°	47.2	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°	1388.7	27.9
0°-40°	2313.6	46.4
0°-60°	4124.7	82.8
0°-90°	4981.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4981.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1723	1723	1723	1723	1723	
5°	1722	1720	1719	1718	1720	164
15°	1693	1691	1693	1694	1698	478
25°	1610	1611	1619	1624	1627	742
35°	1466	1472	1485	1487	1486	916
45°	1249	1256	1267	1256	1252	962
55°	954	954	950	939	932	850
65°	577	574	572	566	560	571
75°	219	223	227	225	225	242
85°	35	38	36	37	39	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1723.4	1723.4	1723.4	1723.4	1723.4
2.5°	1725.2	1722.1	1721.5	1721.5	1723.4
5°	1721.5	1719.7	1719.1	1718.4	1719.7
7.5°	1717.8	1715.4	1716.0	1714.7	1716.0
10°	1712.9	1710.4	1710.4	1710.4	1712.3
12.5°	1704.3	1702.4	1703.0	1704.3	1706.7
15°	1693.2	1690.7	1692.6	1694.4	1697.5
17.5°	1677.8	1675.9	1679.0	1682.1	1684.6
20°	1659.3	1657.5	1663.0	1667.3	1669.8
22.5°	1636.5	1635.9	1643.3	1648.2	1650.1
25°	1610.0	1610.7	1619.3	1624.2	1626.7
27.5°	1579.9	1581.1	1592.2	1596.5	1599.0
30°	1546.0	1549.1	1560.8	1564.5	1566.3
32.5°	1507.8	1512.1	1526.3	1528.7	1528.7
35°	1465.9	1471.5	1485.0	1486.9	1485.6
37.5°	1419.1	1425.3	1440.7	1438.2	1436.3
40°	1366.7	1373.5	1388.9	1384.0	1380.9
42.5°	1310.7	1317.5	1331.0	1323.6	1319.3
45°	1249.1	1255.9	1267.0	1256.5	1251.6
47.5°	1182.6	1190.6	1196.1	1184.4	1178.3
50°	1112.4	1114.8	1120.4	1106.8	1100.0
52.5°	1036.0	1036.0	1040.3	1025.5	1017.5
55°	954.1	953.5	949.8	939.3	931.9
57.5°	867.2	863.5	861.1	850.0	841.4
60°	774.2	768.7	765.6	756.4	749.6
62.5°	676.9	673.8	670.1	662.7	655.3
65°	577.1	574.0	571.6	566.0	560.5
67.5°	478.0	476.1	476.1	472.4	471.8
70°	382.5	383.7	384.3	384.3	376.3
72.5°	296.3	296.9	300.0	297.5	296.9
75°	219.3	223.0	226.7	224.8	224.8
77.5°	157.7	163.2	163.2	162.0	160.1
80°	106.6	109.0	110.9	110.3	109.0
82.5°	67.8	69.6	67.8	69.0	69.6
85°	35.1	37.6	36.3	37.0	38.8
87.5°	11.7	12.9	13.6	12.9	12.9
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)