

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: P506398

Luminaire Tested: **22PD-60-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506398  
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-L927  
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

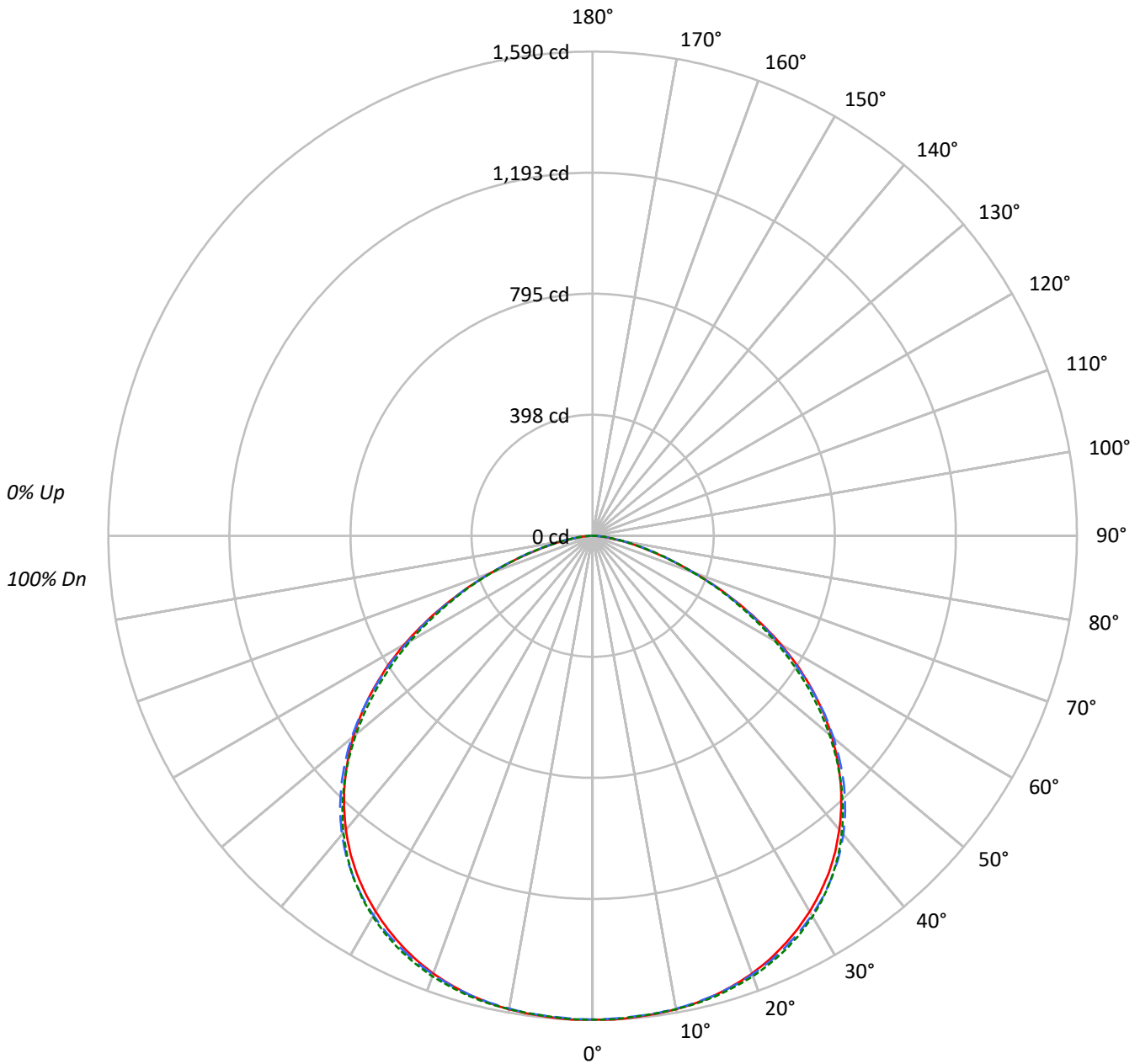
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4592.7 lumens  
Efficiency: N/A  
Efficacy: 87.5 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): 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°	4275	4275	4275
5°	4287	4281	4283
10°	4315	4309	4314
15°	4349	4347	4360
20°	4381	4391	4408
25°	4407	4433	4453
30°	4429	4471	4487
35°	4440	4498	4499
40°	4426	4498	4472
45°	4383	4445	4391
50°	4293	4324	4246
55°	4127	4108	4031
60°	3842	3799	3719
65°	3388	3356	3290
70°	2774	2788	2730
75°	2102	2173	2155
80°	1522	1584	1557
85°	1000	1034	1105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.1	3.3
10°-20°	441.3	9.6
20°-30°	687.9	15.0
30°-40°	852.7	18.6
40°-50°	892.2	19.4
50°-60°	777.5	16.9
60°-70°	520.8	11.3
70°-80°	225.8	4.9
80°-90°	43.5	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°	1280.3	27.9
0°-40°	2133.0	46.4
0°-60°	3802.7	82.8
0°-90°	4592.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4592.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1587	1585	1585	1584	1585	151
15°	1561	1559	1560	1562	1565	441
25°	1484	1485	1493	1497	1500	684
35°	1352	1357	1369	1371	1370	845
45°	1152	1158	1168	1158	1154	887
55°	880	879	876	866	859	783
65°	532	529	527	522	517	526
75°	202	206	209	207	207	223
85°	32	35	34	34	36	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1588.8	1588.8	1588.8	1588.8	1588.8
2.5°	1590.5	1587.7	1587.1	1587.1	1588.8
5°	1587.1	1585.4	1584.8	1584.3	1585.4
7.5°	1583.7	1581.4	1582.0	1580.9	1582.0
10°	1579.2	1576.9	1576.9	1576.9	1578.6
12.5°	1571.2	1569.5	1570.1	1571.2	1573.5
15°	1561.0	1558.7	1560.4	1562.1	1565.0
17.5°	1546.8	1545.1	1547.9	1550.8	1553.0
20°	1529.8	1528.1	1533.2	1537.1	1539.4
22.5°	1508.8	1508.2	1515.0	1519.5	1521.2
25°	1484.3	1484.9	1492.9	1497.4	1499.7
27.5°	1456.5	1457.7	1467.9	1471.8	1474.1
30°	1425.3	1428.1	1438.9	1442.3	1444.0
32.5°	1390.1	1394.1	1407.1	1409.4	1409.4
35°	1351.5	1356.6	1369.1	1370.8	1369.6
37.5°	1308.3	1314.0	1328.2	1325.9	1324.2
40°	1260.0	1266.3	1280.5	1275.9	1273.1
42.5°	1208.4	1214.6	1227.1	1220.3	1216.3
45°	1151.6	1157.8	1168.1	1158.4	1153.9
47.5°	1090.3	1097.6	1102.7	1092.0	1086.3
50°	1025.5	1027.8	1032.9	1020.4	1014.2
52.5°	955.1	955.1	959.1	945.5	938.1
55°	879.6	879.0	875.6	866.0	859.1
57.5°	799.5	796.1	793.8	783.6	775.7
60°	713.8	708.7	705.8	697.3	691.1
62.5°	624.1	621.2	617.8	611.0	604.2
65°	532.1	529.2	527.0	521.8	516.7
67.5°	440.6	438.9	438.9	435.5	435.0
70°	352.6	353.8	354.3	354.3	347.0
72.5°	273.1	273.7	276.5	274.3	273.7
75°	202.2	205.6	209.0	207.3	207.3
77.5°	145.4	150.5	150.5	149.3	147.6
80°	98.2	100.5	102.2	101.6	100.5
82.5°	62.5	64.2	62.5	63.6	64.2
85°	32.4	34.6	33.5	34.1	35.8
87.5°	10.8	11.9	12.5	11.9	11.9
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)