

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: P506183

Luminaire Tested: **22PD-20-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

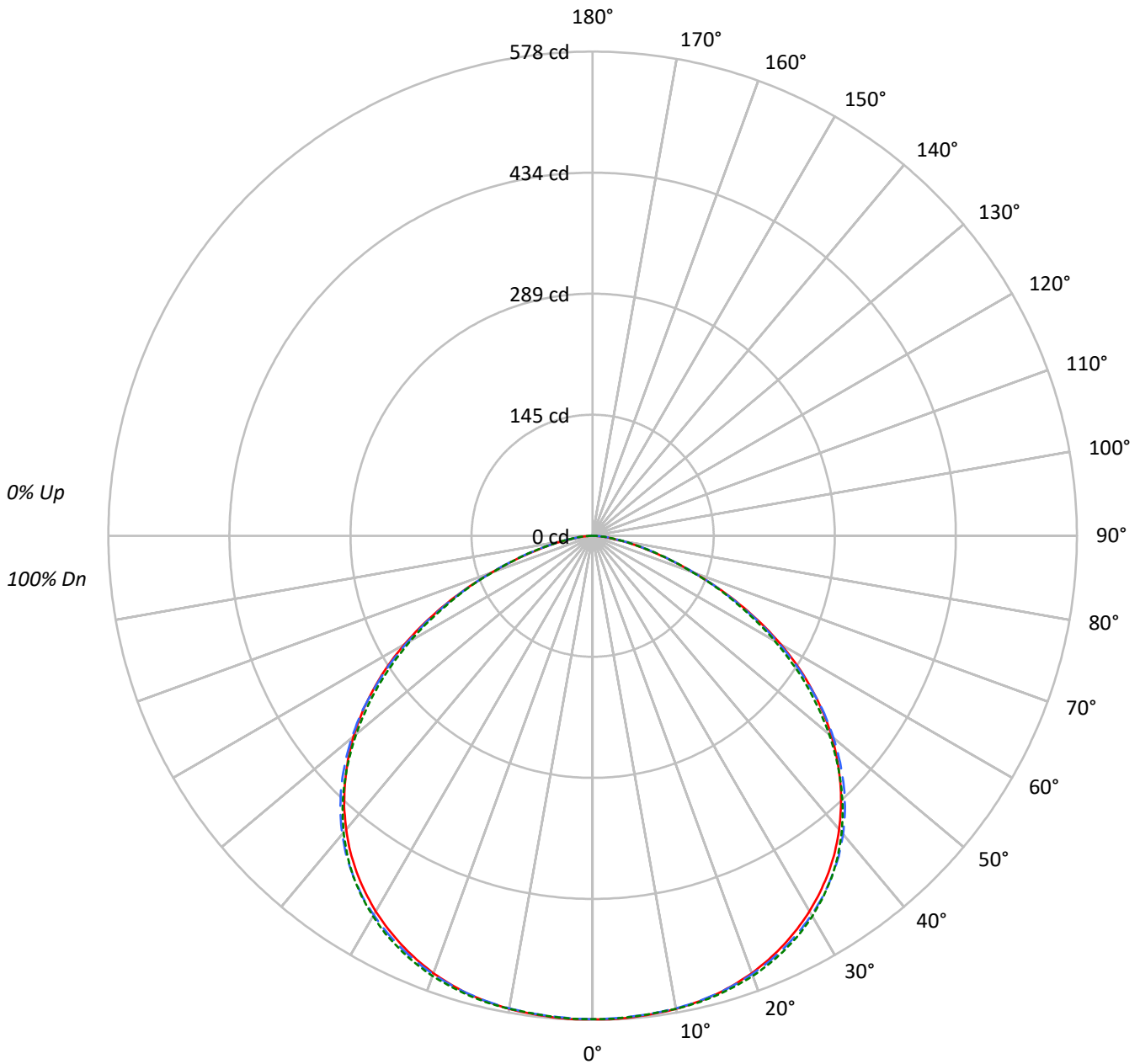
Test Method: LM-79-08  
Report Number: P506183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-20-PW1-L930  
Description: 2000 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: 1668.2 lumens  
Efficiency: N/A  
Efficacy: 103.6 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): 16.1  
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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

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

	0°	45°	90°
0°	1553	1553	1553
5°	1557	1555	1556
10°	1567	1565	1567
15°	1580	1579	1584
20°	1591	1595	1601
25°	1601	1610	1617
30°	1609	1624	1630
35°	1613	1634	1634
40°	1608	1634	1624
45°	1592	1615	1595
50°	1559	1571	1542
55°	1499	1492	1464
60°	1396	1380	1351
65°	1231	1219	1195
70°	1008	1013	991
75°	763	789	783
80°	553	575	566
85°	364	377	401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	3.3
10°-20°	160.3	9.6
20°-30°	249.9	15.0
30°-40°	309.7	18.6
40°-50°	324.1	19.4
50°-60°	282.4	16.9
60°-70°	189.2	11.3
70°-80°	82.0	4.9
80°-90°	15.8	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°	465.1	27.9
0°-40°	774.8	46.4
0°-60°	1381.3	82.8
0°-90°	1668.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	576	576	576	576	576	55
15°	567	566	567	567	568	160
25°	539	539	542	544	545	249
35°	491	493	497	498	498	307
45°	418	421	424	421	419	322
55°	320	319	318	314	312	284
65°	193	192	191	190	188	191
75°	73	75	76	75	75	81
85°	12	13	12	12	13	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	577.1	577.1	577.1	577.1	577.1
2.5°	577.7	576.7	576.5	576.5	577.1
5°	576.5	575.9	575.7	575.5	575.9
7.5°	575.3	574.4	574.6	574.2	574.6
10°	573.6	572.8	572.8	572.8	573.4
12.5°	570.7	570.1	570.3	570.7	571.6
15°	567.0	566.2	566.8	567.4	568.5
17.5°	561.9	561.2	562.3	563.3	564.1
20°	555.7	555.1	556.9	558.4	559.2
22.5°	548.0	547.8	550.3	552.0	552.6
25°	539.2	539.4	542.3	543.9	544.7
27.5°	529.1	529.5	533.2	534.6	535.5
30°	517.7	518.7	522.7	523.9	524.5
32.5°	504.9	506.4	511.1	511.9	511.9
35°	490.9	492.8	497.3	497.9	497.5
37.5°	475.2	477.3	482.4	481.6	481.0
40°	457.7	460.0	465.1	463.5	462.4
42.5°	438.9	441.2	445.7	443.3	441.8
45°	418.3	420.6	424.3	420.8	419.1
47.5°	396.0	398.7	400.6	396.6	394.6
50°	372.5	373.3	375.2	370.7	368.4
52.5°	346.9	346.9	348.4	343.4	340.7
55°	319.5	319.3	318.1	314.5	312.1
57.5°	290.4	289.2	288.4	284.6	281.8
60°	259.3	257.4	256.4	253.3	251.0
62.5°	226.7	225.7	224.4	221.9	219.5
65°	193.3	192.2	191.4	189.6	187.7
67.5°	160.1	159.4	159.4	158.2	158.0
70°	128.1	128.5	128.7	128.7	126.0
72.5°	99.2	99.4	100.4	99.6	99.4
75°	73.4	74.7	75.9	75.3	75.3
77.5°	52.8	54.7	54.7	54.2	53.6
80°	35.7	36.5	37.1	36.9	36.5
82.5°	22.7	23.3	22.7	23.1	23.3
85°	11.8	12.6	12.2	12.4	13.0
87.5°	3.9	4.3	4.5	4.3	4.3
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)