

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: P506165

Luminaire Tested: **22PD-20-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506165  
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-20-PL1-L930  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI, 3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

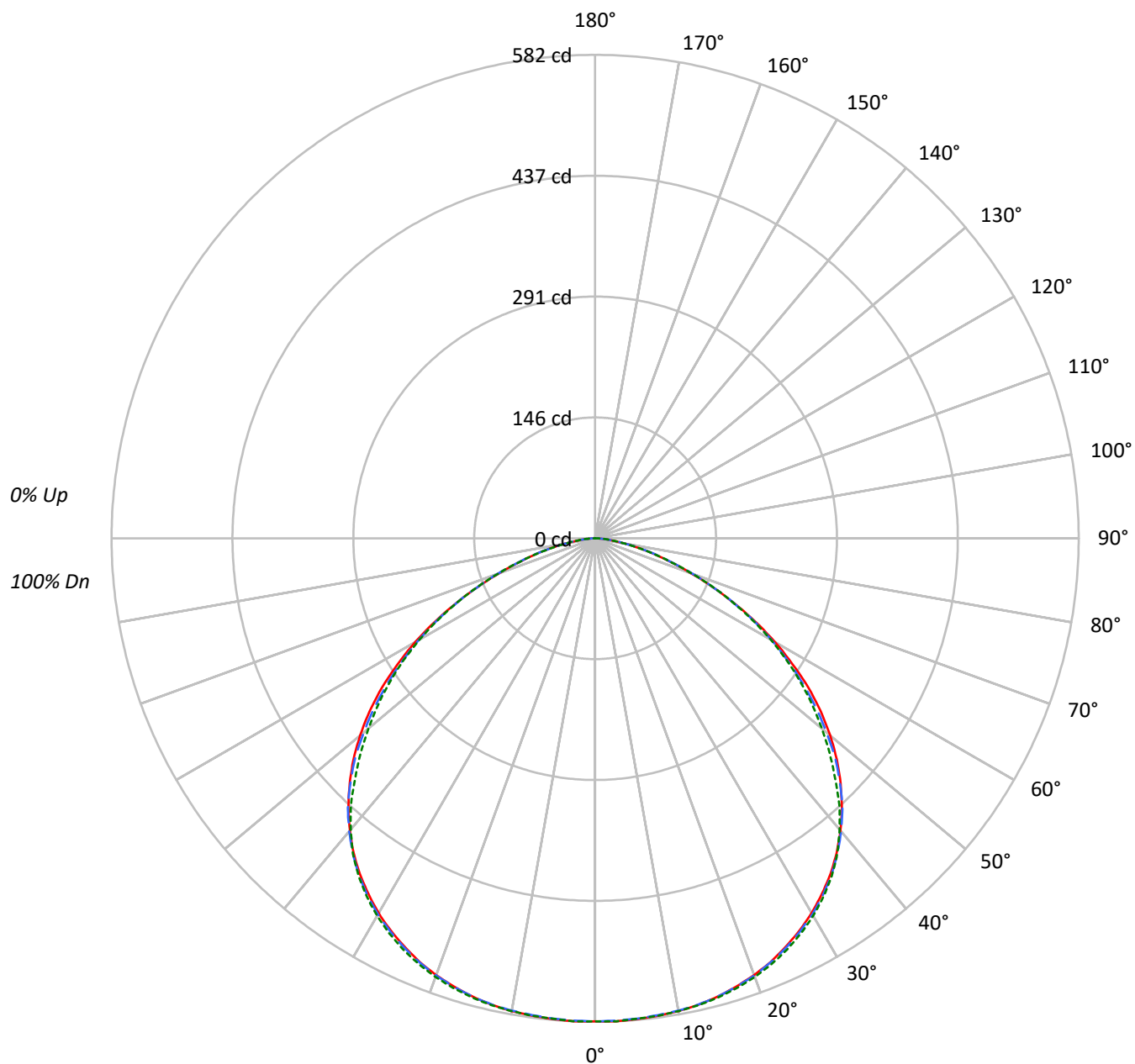
Lumens per Lamp: N/A  
Luminaire Lumens: 1647.7 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.1  
Input Voltage (V): NR  
Input Current (Ain): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	1565	1565	1565
5°	1570	1568	1569
10°	1579	1578	1579
15°	1591	1591	1594
20°	1603	1604	1609
25°	1611	1615	1623
30°	1619	1624	1631
35°	1622	1627	1630
40°	1613	1618	1607
45°	1590	1585	1553
50°	1545	1521	1490
55°	1470	1433	1416
60°	1346	1321	1313
65°	1174	1171	1167
70°	962	978	975
75°	762	776	762
80°	558	555	552
85°	374	367	392



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	3.4
10°-20°	161.4	9.8
20°-30°	250.9	15.2
30°-40°	309.3	18.8
40°-50°	319.5	19.4
50°-60°	273.4	16.6
60°-70°	182.4	11.1
70°-80°	80.1	4.9
80°-90°	15.5	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
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0°-30°	467.6	28.4
0°-40°	776.9	47.2
0°-60°	1369.7	83.1
0°-90°	1647.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1647.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	581	580	580	580	581	55
15°	571	570	571	572	572	161
25°	543	543	544	546	546	250
35°	494	494	495	496	496	308
45°	418	418	417	413	408	322
55°	313	310	305	304	302	279
65°	184	184	184	184	183	183
75°	73	73	75	74	73	79
85°	12	12	12	12	13	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	581.7	581.7	581.7	581.7	581.7
2.5°	582.1	581.3	581.1	581.1	582.1
5°	581.1	580.3	580.5	580.1	580.7
7.5°	579.7	578.8	579.0	578.8	579.7
10°	578.0	577.2	577.4	577.2	578.0
12.5°	575.2	574.5	574.9	575.2	575.8
15°	571.1	570.4	571.1	571.5	572.3
17.5°	565.7	565.3	565.9	566.6	567.6
20°	559.6	559.2	560.2	560.8	562.0
22.5°	552.0	551.6	552.6	554.1	554.9
25°	542.6	542.6	543.8	545.5	546.5
27.5°	532.5	532.3	533.8	535.4	536.4
30°	521.1	520.7	522.7	524.2	524.8
32.5°	507.8	508.0	509.8	511.2	511.5
35°	493.6	493.6	495.3	496.3	496.3
37.5°	477.5	477.2	478.9	479.3	478.7
40°	459.2	459.4	460.5	460.2	457.6
42.5°	439.6	439.8	440.6	437.7	435.1
45°	417.8	417.6	416.6	412.7	408.2
47.5°	394.7	393.7	392.0	386.1	382.8
50°	369.1	367.5	363.4	358.7	356.0
52.5°	342.1	339.2	335.1	331.4	329.2
55°	313.4	309.5	305.4	303.8	301.9
57.5°	281.4	279.0	275.5	274.7	273.4
60°	250.1	247.4	245.4	245.4	243.9
62.5°	217.3	215.7	214.9	215.3	213.8
65°	184.3	183.9	183.9	184.5	183.3
67.5°	152.4	153.2	153.0	155.1	153.4
70°	122.3	123.7	124.3	126.4	123.9
72.5°	96.3	96.5	97.3	97.9	96.7
75°	73.3	72.7	74.6	74.1	73.3
77.5°	53.1	52.6	53.3	53.7	52.6
80°	36.0	35.6	35.8	36.5	35.6
82.5°	22.7	22.3	22.3	22.9	22.7
85°	12.1	11.9	11.9	12.3	12.7
87.5°	4.3	4.1	4.3	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)