

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: P505814

Luminaire Tested: **14PD-20-PL1-L930**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P505814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PL1-L930  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

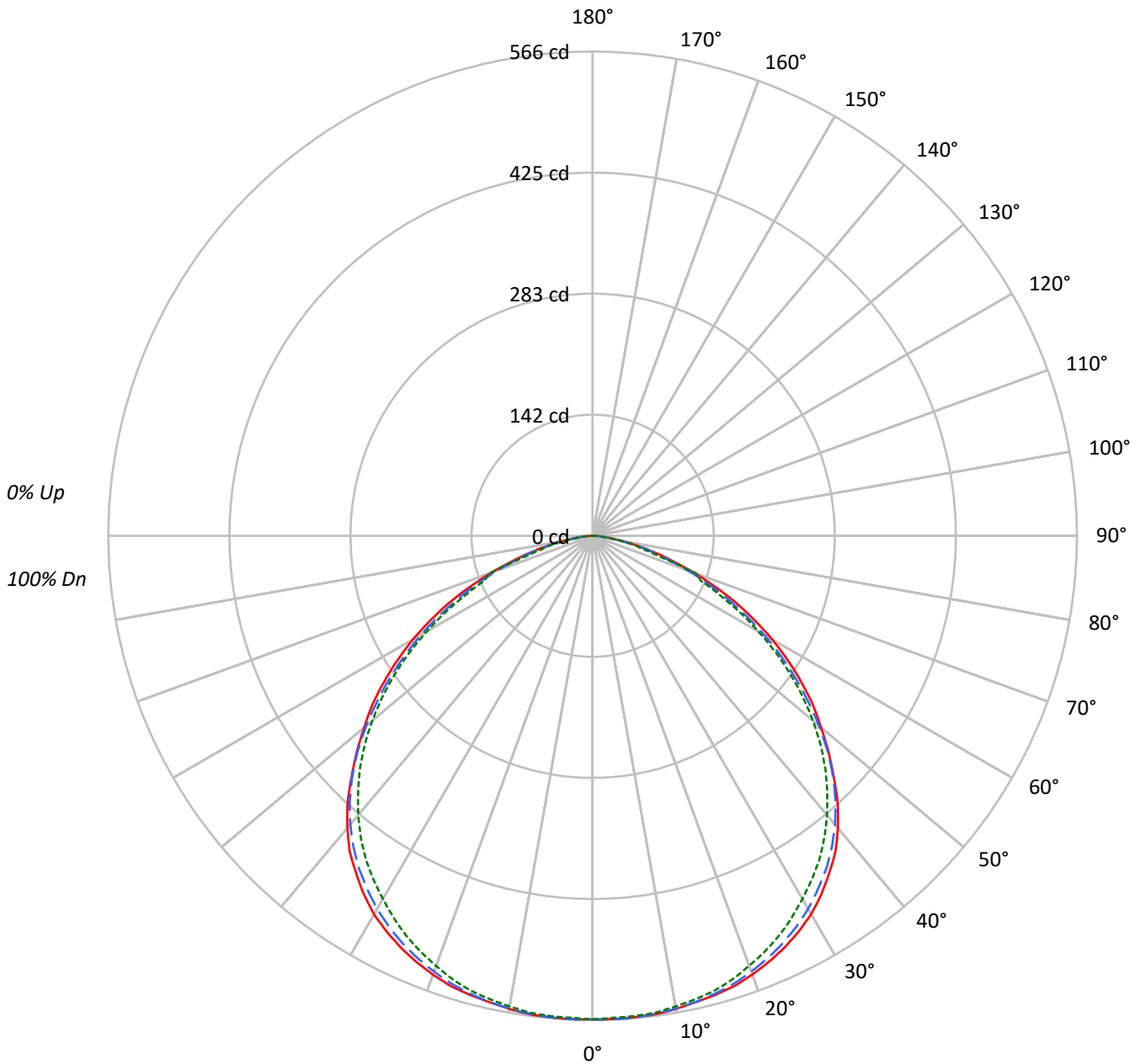
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1571.5 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17.4  
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

TEST NUMBER: P505814

CATALOG NUMBER: 14PD-20-PL1-L930

### 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	110	105	101	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	1521	1521	1521
5°	1526	1527	1522
10°	1535	1533	1526
15°	1548	1543	1534
20°	1563	1552	1532
25°	1576	1561	1531
30°	1587	1565	1523
35°	1583	1563	1518
40°	1566	1548	1496
45°	1516	1511	1463
50°	1459	1446	1407
55°	1396	1355	1324
60°	1304	1245	1203
65°	1174	1101	1042
70°	982	921	1011
75°	775	745	646
80°	558	496	505
85°	355	296	278



TEST NUMBER: P505814

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	3.4
10°-20°	156.3	9.9
20°-30°	241.6	15.4
30°-40°	295.7	18.8
40°-50°	303.1	19.3
50°-60°	258.2	16.4
60°-70°	172.5	11.0
70°-80°	76.5	4.9
80°-90°	13.8	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°	451.6	28.7
0°-40°	747.3	47.6
0°-60°	1308.6	83.3
0°-90°	1571.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1571.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	565	565	565	565	565	
5°	565	564	565	565	564	54
15°	556	554	554	552	550	157
25°	531	529	526	519	516	245
35°	482	481	476	465	462	301
45°	398	400	397	388	384	307
55°	298	296	289	283	282	265
65°	184	183	173	165	164	182
75°	74	76	72	72	62	81
85°	12	11	10	9	9	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	565.4	565.4	565.4	565.4	565.4
2.5°	565.4	564.5	566.0	566.7	563.9
5°	565.1	563.9	565.4	565.1	563.6
7.5°	564.2	562.0	563.6	562.9	562.3
10°	561.7	559.8	561.1	560.1	558.6
12.5°	558.3	557.0	558.0	557.0	554.9
15°	555.5	553.6	553.9	552.4	550.5
17.5°	551.8	549.0	549.0	545.9	543.7
20°	545.9	543.4	542.1	537.8	535.0
22.5°	539.0	537.2	534.7	529.1	526.0
25°	530.9	529.1	525.7	518.8	515.7
27.5°	521.6	519.1	515.4	507.4	503.6
30°	510.8	507.7	503.6	494.6	490.3
32.5°	497.4	495.2	490.0	480.6	476.6
35°	481.9	480.6	475.7	465.1	462.0
37.5°	466.1	463.6	459.2	448.0	444.9
40°	445.9	444.3	440.6	429.7	426.0
42.5°	424.1	423.2	420.1	409.9	405.8
45°	398.4	399.6	397.1	388.1	384.4
47.5°	373.8	373.2	372.3	364.2	361.1
50°	348.4	347.1	345.3	338.8	336.0
52.5°	324.5	322.0	317.0	311.4	309.6
55°	297.5	295.9	288.8	282.9	282.2
57.5°	270.1	269.2	260.5	253.7	253.7
60°	242.2	240.9	231.3	224.2	223.6
62.5°	213.0	212.1	202.1	194.1	194.4
65°	184.4	182.9	172.9	165.2	163.6
67.5°	154.6	154.0	144.4	137.2	136.6
70°	124.8	124.8	117.1	110.8	128.5
72.5°	98.4	97.5	91.3	88.5	84.5
75°	74.5	75.5	71.7	72.0	62.1
77.5°	53.1	51.5	50.0	46.6	49.4
80°	36.0	35.1	32.0	31.0	32.6
82.5°	22.4	22.7	19.9	18.0	17.7
85°	11.5	11.2	9.6	9.3	9.0
87.5°	4.3	4.7	4.0	3.7	3.4
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)