

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: P505817

Luminaire Tested: **14PD-20-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505817  
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-L950  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

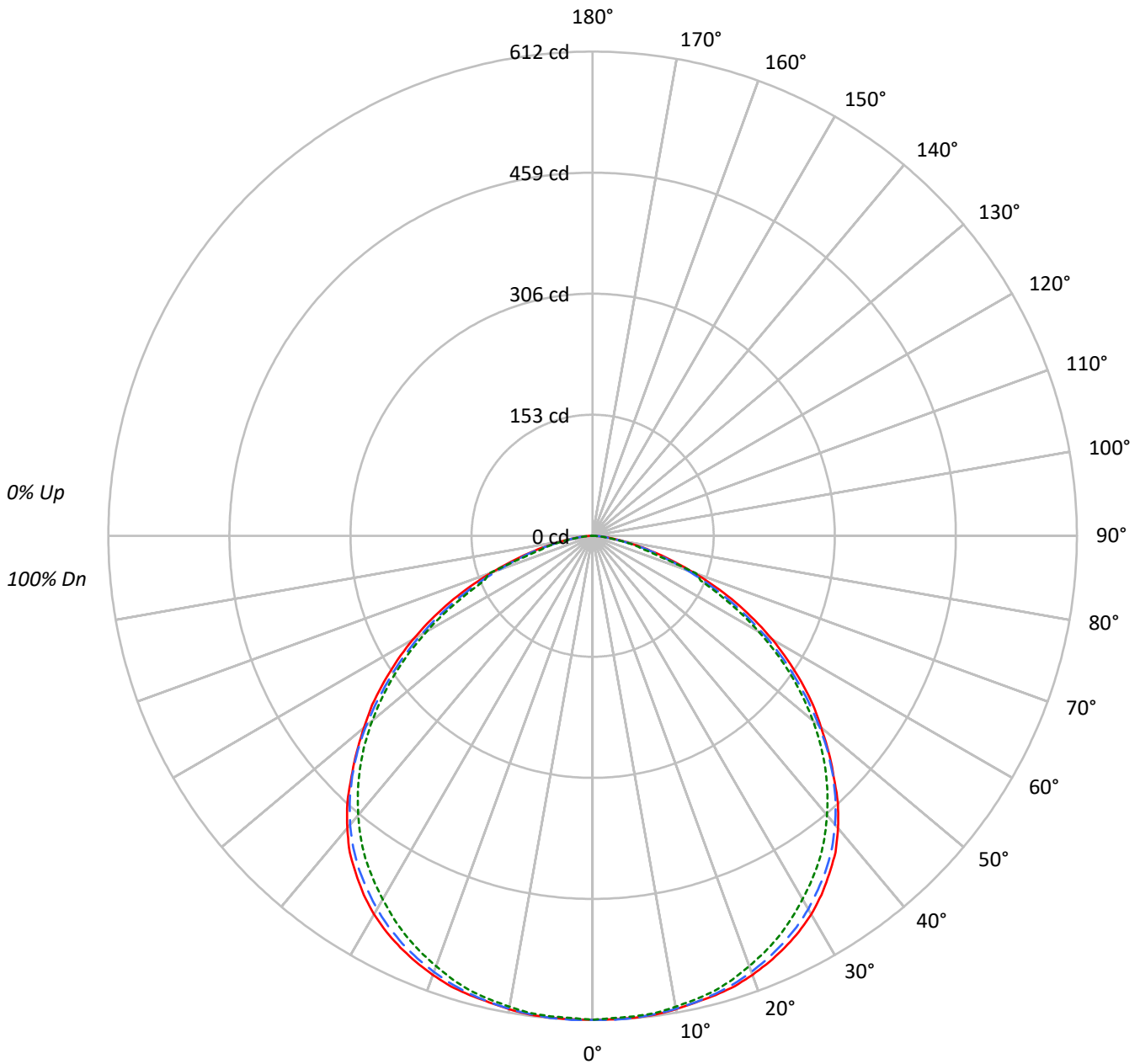
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1700.3 lumens  
Efficiency: N/A  
Efficacy: 97.7 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: P505817

CATALOG NUMBER: 14PD-20-PL1-L950

### 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				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°	1646	1646	1646
5°	1652	1653	1647
10°	1661	1659	1652
15°	1674	1670	1659
20°	1691	1680	1657
25°	1706	1689	1657
30°	1717	1693	1648
35°	1713	1691	1642
40°	1695	1675	1619
45°	1640	1635	1583
50°	1578	1564	1522
55°	1510	1466	1433
60°	1410	1347	1302
65°	1271	1191	1127
70°	1062	997	1094
75°	838	807	699
80°	604	536	547
85°	383	321	299



TEST NUMBER: P505817

CATALOG NUMBER: 14PD-20-PL1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	3.4
10°-20°	169.1	9.9
20°-30°	261.4	15.4
30°-40°	319.9	18.8
40°-50°	328.0	19.3
50°-60°	279.4	16.4
60°-70°	186.7	11.0
70°-80°	82.7	4.9
80°-90°	15.0	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°	488.6	28.7
0°-40°	808.6	47.6
0°-60°	1415.9	83.3
0°-90°	1700.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	611	610	612	611	610	58
15°	601	599	599	598	596	170
25°	574	572	569	561	558	265
35°	521	520	515	503	500	326
45°	431	432	430	420	416	333
55°	322	320	312	306	305	287
65°	200	198	187	179	177	197
75°	81	82	78	78	67	87
85°	12	12	10	10	10	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	611.8	611.8	611.8	611.8	611.8
2.5°	611.8	610.7	612.4	613.1	610.1
5°	611.4	610.1	611.8	611.4	609.7
7.5°	610.4	608.1	609.7	609.1	608.4
10°	607.7	605.7	607.0	606.0	604.4
12.5°	604.0	602.7	603.7	602.7	600.3
15°	601.0	599.0	599.3	597.6	595.6
17.5°	597.0	593.9	593.9	590.6	588.2
20°	590.6	587.9	586.6	581.9	578.8
22.5°	583.2	581.2	578.5	572.4	569.1
25°	574.5	572.4	568.8	561.4	558.0
27.5°	564.4	561.7	557.7	548.9	544.9
30°	552.6	549.3	544.9	535.2	530.5
32.5°	538.2	535.8	530.1	520.0	515.7
35°	521.4	520.0	514.7	503.2	499.9
37.5°	504.3	501.6	496.9	484.8	481.4
40°	482.4	480.7	476.7	464.9	460.9
42.5°	458.9	457.9	454.5	443.4	439.1
45°	431.0	432.4	429.7	419.9	415.9
47.5°	404.5	403.8	402.8	394.1	390.7
50°	376.9	375.6	373.6	366.5	363.5
52.5°	351.1	348.4	343.0	337.0	334.9
55°	321.8	320.2	312.4	306.0	305.4
57.5°	292.3	291.3	281.9	274.5	274.5
60°	262.0	260.7	250.3	242.6	241.9
62.5°	230.5	229.4	218.7	210.0	210.3
65°	199.6	197.9	187.1	178.7	177.0
67.5°	167.3	166.6	156.2	148.5	147.8
70°	135.0	135.0	126.7	119.9	139.1
72.5°	106.5	105.5	98.8	95.7	91.4
75°	80.6	81.6	77.6	77.9	67.2
77.5°	57.4	55.8	54.1	50.4	53.4
80°	39.0	38.0	34.6	33.6	35.3
82.5°	24.2	24.5	21.5	19.5	19.1
85°	12.4	12.1	10.4	10.1	9.7
87.5°	4.7	5.0	4.4	4.0	3.7
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)