

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: P505898

Luminaire Tested: **14PD-35-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505898  
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-35-PL1-L950  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

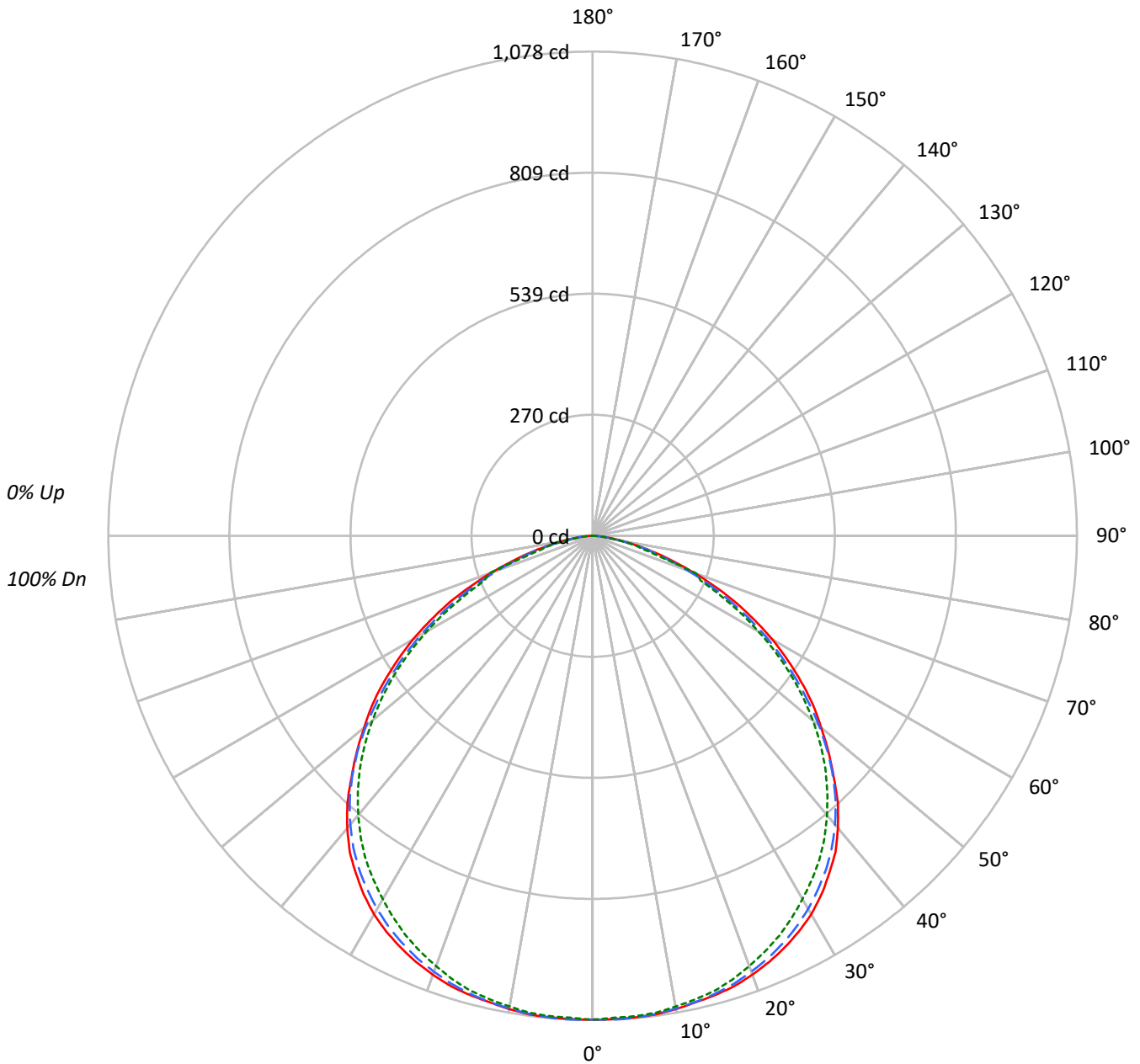
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2993.9 lumens  
Efficiency: N/A  
Efficacy: 94.1 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): 31.8  
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	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°	2899	2899	2899
5°	2908	2910	2900
10°	2924	2921	2908
15°	2948	2940	2922
20°	2978	2958	2919
25°	3004	2974	2918
30°	3024	2981	2903
35°	3016	2977	2892
40°	2984	2949	2851
45°	2888	2879	2787
50°	2779	2754	2680
55°	2659	2581	2523
60°	2483	2372	2292
65°	2238	2098	1985
70°	1871	1755	1927
75°	1476	1420	1230
80°	1063	944	962
85°	676	565	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	3.4
10°-20°	297.7	9.9
20°-30°	460.3	15.4
30°-40°	563.4	18.8
40°-50°	577.5	19.3
50°-60°	491.9	16.4
60°-70°	328.7	11.0
70°-80°	145.7	4.9
80°-90°	26.3	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°	860.4	28.7
0°-40°	1423.8	47.6
0°-60°	2493.2	83.3
0°-90°	2993.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2993.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1077	1074	1077	1077	1074	103
15°	1058	1055	1055	1052	1049	299
25°	1012	1008	1002	988	983	466
35°	918	916	906	886	880	574
45°	759	761	757	739	732	586
55°	567	564	550	539	538	506
65°	351	348	330	315	312	346
75°	142	144	137	137	118	154
85°	22	21	18	18	17	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1077.2	1077.2	1077.2	1077.2	1077.2
2.5°	1077.2	1075.4	1078.4	1079.6	1074.3
5°	1076.6	1074.3	1077.2	1076.6	1073.7
7.5°	1074.9	1070.7	1073.7	1072.5	1071.3
10°	1070.1	1066.6	1068.9	1067.2	1064.2
12.5°	1063.6	1061.3	1063.0	1061.3	1057.1
15°	1058.3	1054.7	1055.3	1052.4	1048.8
17.5°	1051.2	1045.9	1045.9	1040.0	1035.8
20°	1040.0	1035.2	1032.9	1024.6	1019.3
22.5°	1026.9	1023.4	1018.7	1008.0	1002.1
25°	1011.6	1008.0	1001.5	988.5	982.6
27.5°	993.8	989.1	982.0	966.6	959.5
30°	973.1	967.2	959.5	942.3	934.1
32.5°	947.7	943.5	933.5	915.7	908.0
35°	918.1	915.7	906.3	886.2	880.2
37.5°	887.9	883.2	874.9	853.6	847.7
40°	849.5	846.5	839.4	818.7	811.6
42.5°	808.1	806.3	800.4	780.9	773.2
45°	759.0	761.3	756.6	739.4	732.3
47.5°	712.2	711.1	709.3	693.9	688.0
50°	663.7	661.4	657.8	645.4	640.1
52.5°	618.2	613.4	604.0	593.3	589.8
55°	566.7	563.8	550.1	538.9	537.7
57.5°	514.7	512.9	496.3	483.3	483.3
60°	461.4	459.0	440.7	427.1	425.9
62.5°	405.8	404.0	385.1	369.7	370.3
65°	351.4	348.4	329.5	314.7	311.8
67.5°	294.6	293.4	275.1	261.5	260.3
70°	237.8	237.8	223.0	211.2	244.9
72.5°	187.5	185.7	173.9	168.6	160.9
75°	142.0	143.7	136.6	137.2	118.3
77.5°	101.2	98.2	95.2	88.7	94.1
80°	68.6	66.8	60.9	59.2	62.1
82.5°	42.6	43.2	37.9	34.3	33.7
85°	21.9	21.3	18.3	17.7	17.2
87.5°	8.3	8.9	7.7	7.1	6.5
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)