

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: P505894

Luminaire Tested: **14PD-35-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505894  
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-L927  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

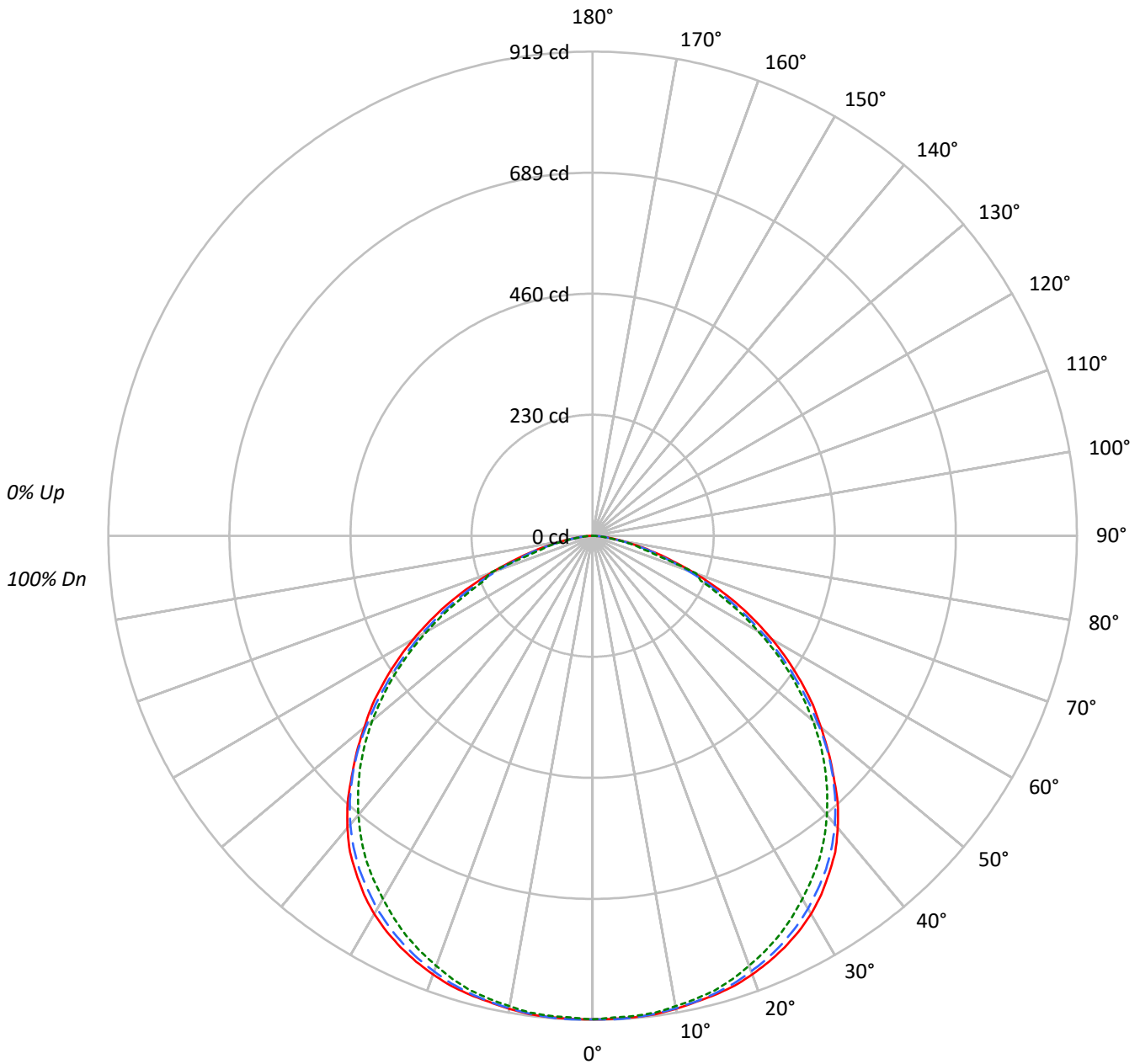
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2550.9 lumens  
Efficiency: N/A  
Efficacy: 80.2 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 (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

TEST NUMBER: P505894

CATALOG NUMBER: 14PD-35-PL1-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P505894

CATALOG NUMBER: 14PD-35-PL1-L927

**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°	2470	2470	2470
5°	2478	2479	2471
10°	2491	2488	2478
15°	2512	2505	2489
20°	2537	2520	2487
25°	2559	2534	2486
30°	2576	2540	2473
35°	2570	2536	2464
40°	2543	2512	2429
45°	2461	2453	2375
50°	2367	2346	2283
55°	2265	2199	2149
60°	2116	2021	1953
65°	1906	1787	1691
70°	1594	1495	1642
75°	1258	1210	1048
80°	907	804	820
85°	574	482	451



TEST NUMBER: P505894

CATALOG NUMBER: 14PD-35-PL1-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	3.4
10°-20°	253.6	9.9
20°-30°	392.2	15.4
30°-40°	480.0	18.8
40°-50°	492.1	19.3
50°-60°	419.1	16.4
60°-70°	280.1	11.0
70°-80°	124.1	4.9
80°-90°	22.4	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°	733.1	28.7
0°-40°	1213.1	47.6
0°-60°	2124.2	83.3
0°-90°	2550.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	917	915	918	917	915	87
15°	902	899	899	897	894	255
25°	862	859	853	842	837	397
35°	782	780	772	755	750	489
45°	647	649	645	630	624	499
55°	483	480	469	459	458	431
65°	299	297	281	268	266	295
75°	121	122	116	117	101	131
85°	19	18	16	15	15	25
90°	0	0	0	0	0	



TEST NUMBER: P505894

CATALOG NUMBER: 14PD-35-PL1-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	917.8	917.8	917.8	917.8	917.8
2.5°	917.8	916.3	918.8	919.8	915.3
5°	917.3	915.3	917.8	917.3	914.8
7.5°	915.8	912.3	914.8	913.8	912.8
10°	911.8	908.7	910.7	909.2	906.7
12.5°	906.2	904.2	905.7	904.2	900.7
15°	901.7	898.6	899.2	896.6	893.6
17.5°	895.6	891.1	891.1	886.0	882.5
20°	886.0	882.0	880.0	872.9	868.4
22.5°	875.0	871.9	867.9	858.8	853.8
25°	861.9	858.8	853.3	842.2	837.2
27.5°	846.7	842.7	836.7	823.6	817.5
30°	829.1	824.1	817.5	802.9	795.8
32.5°	807.4	803.9	795.3	780.2	773.7
35°	782.2	780.2	772.1	755.0	750.0
37.5°	756.5	752.5	745.4	727.3	722.2
40°	723.8	721.2	715.2	697.5	691.5
42.5°	688.5	687.0	681.9	665.3	658.7
45°	646.6	648.7	644.6	630.0	624.0
47.5°	606.8	605.8	604.3	591.2	586.2
50°	565.5	563.5	560.5	549.9	545.3
52.5°	526.7	522.7	514.6	505.5	502.5
55°	482.8	480.3	468.7	459.2	458.1
57.5°	438.5	437.0	422.9	411.8	411.8
60°	393.1	391.1	375.5	363.9	362.9
62.5°	345.8	344.2	328.1	315.0	315.5
65°	299.4	296.9	280.7	268.1	265.6
67.5°	251.0	250.0	234.4	222.8	221.8
70°	202.6	202.6	190.0	179.9	208.7
72.5°	159.8	158.3	148.2	143.6	137.1
75°	121.0	122.5	116.4	116.9	100.8
77.5°	86.2	83.7	81.1	75.6	80.1
80°	58.5	57.0	51.9	50.4	52.9
82.5°	36.3	36.8	32.3	29.2	28.7
85°	18.6	18.1	15.6	15.1	14.6
87.5°	7.1	7.6	6.6	6.0	5.5
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)