

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: P505842

Luminaire Tested: **14PD-25-PL1-L935**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P505842  
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-25-PL1-L935  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

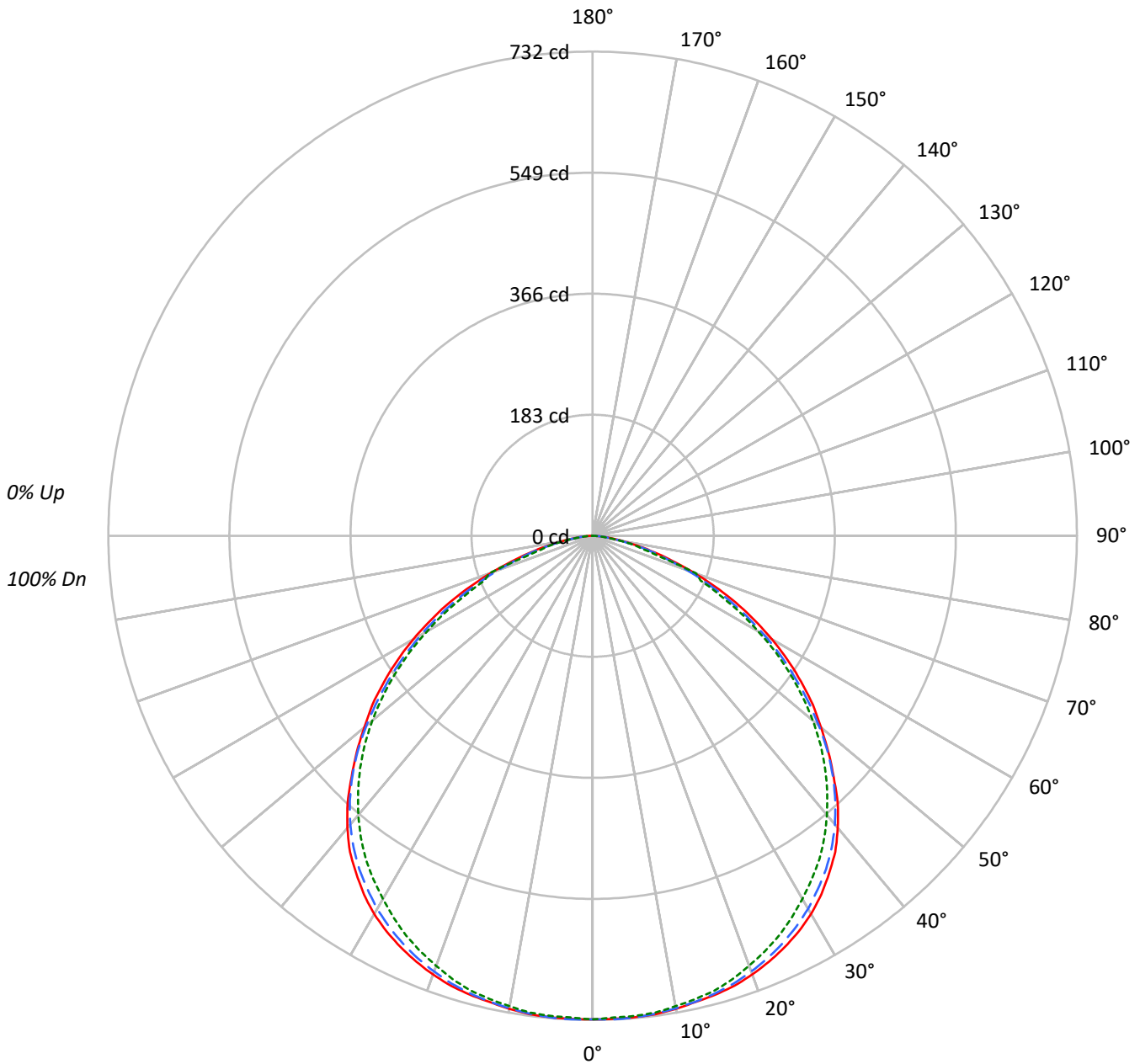
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2031.9 lumens  
Efficiency: N/A  
Efficacy: 89.5 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): 22.7  
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: P505842

CATALOG NUMBER: 14PD-25-PL1-L935

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35				35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31				31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25				25

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

	0°	45°	90°
0°	1967	1967	1967
5°	1974	1975	1968
10°	1984	1982	1973
15°	2001	1995	1983
20°	2021	2007	1981
25°	2038	2018	1980
30°	2052	2023	1970
35°	2047	2020	1963
40°	2025	2001	1935
45°	1960	1954	1891
50°	1886	1869	1819
55°	1804	1752	1712
60°	1685	1610	1556
65°	1519	1424	1347
70°	1270	1191	1308
75°	1002	964	835
80°	722	642	654
85°	460	383	358



TEST NUMBER: P505842

CATALOG NUMBER: 14PD-25-PL1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	3.4
10°-20°	202.0	9.9
20°-30°	312.4	15.4
30°-40°	382.3	18.8
40°-50°	392.0	19.3
50°-60°	333.8	16.4
60°-70°	223.1	11.0
70°-80°	98.9	4.9
80°-90°	17.9	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°	583.9	28.7
0°-40°	966.3	47.6
0°-60°	1692.0	83.3
0°-90°	2031.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	731	729	731	731	729	70
15°	718	716	716	714	712	203
25°	686	684	680	671	667	317
35°	623	622	615	601	597	390
45°	515	517	514	502	497	398
55°	385	383	373	366	365	343
65°	238	236	224	214	212	235
75°	96	98	93	93	80	104
85°	15	14	12	12	12	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	731.1	731.1	731.1	731.1	731.1
2.5°	731.1	729.9	731.9	732.7	729.1
5°	730.7	729.1	731.1	730.7	728.7
7.5°	729.5	726.6	728.7	727.8	727.0
10°	726.2	723.8	725.4	724.2	722.2
12.5°	721.8	720.2	721.4	720.2	717.4
15°	718.2	715.8	716.2	714.2	711.8
17.5°	713.4	709.8	709.8	705.8	703.0
20°	705.8	702.6	701.0	695.3	691.7
22.5°	696.9	694.5	691.3	684.1	680.1
25°	686.5	684.1	679.7	670.8	666.8
27.5°	674.5	671.2	666.4	656.0	651.2
30°	660.4	656.4	651.2	639.5	633.9
32.5°	643.1	640.3	633.5	621.5	616.2
35°	623.1	621.5	615.0	601.4	597.4
37.5°	602.6	599.4	593.8	579.3	575.3
40°	576.5	574.5	569.7	555.6	550.8
42.5°	548.4	547.2	543.2	529.9	524.7
45°	515.1	516.7	513.5	501.8	497.0
47.5°	483.4	482.6	481.4	470.9	466.9
50°	450.4	448.8	446.4	438.0	434.4
52.5°	419.5	416.3	409.9	402.7	400.3
55°	384.6	382.6	373.4	365.7	364.9
57.5°	349.3	348.1	336.8	328.0	328.0
60°	313.1	311.5	299.1	289.9	289.1
62.5°	275.4	274.2	261.4	250.9	251.3
65°	238.5	236.5	223.6	213.6	211.6
67.5°	199.9	199.1	186.7	177.4	176.6
70°	161.4	161.4	151.4	143.3	166.2
72.5°	127.3	126.1	118.0	114.4	109.2
75°	96.4	97.6	92.7	93.1	80.3
77.5°	68.6	66.6	64.6	60.2	63.8
80°	46.6	45.4	41.4	40.1	42.2
82.5°	28.9	29.3	25.7	23.3	22.9
85°	14.9	14.5	12.4	12.0	11.6
87.5°	5.6	6.0	5.2	4.8	4.4
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)