

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: P505840

Luminaire Tested: **14PD-25-PL1-L927**

Issue Date: 3/26/2021

**Test Information**

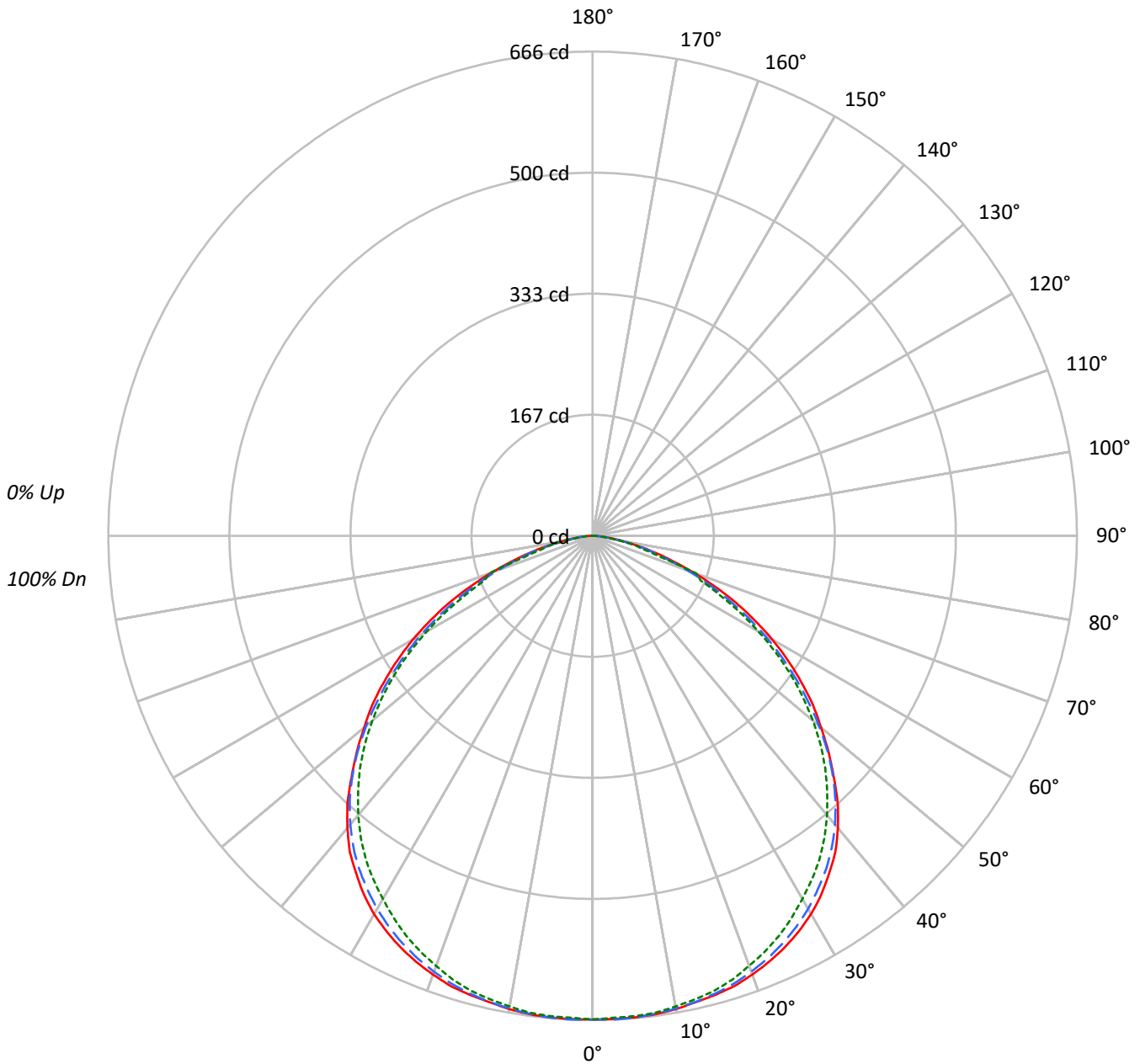
Test Method: LM-79-08  
Report Number: P505840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PL1-L927  
Description: 2500 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: 1849.2 lumens  
Efficiency: N/A  
Efficacy: 81.5 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

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### 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°	1791	1791	1791
5°	1796	1797	1791
10°	1806	1804	1796
15°	1821	1816	1805
20°	1839	1827	1803
25°	1855	1837	1802
30°	1867	1841	1793
35°	1863	1839	1786
40°	1843	1821	1761
45°	1784	1778	1721
50°	1716	1701	1655
55°	1642	1594	1558
60°	1534	1465	1416
65°	1382	1296	1226
70°	1156	1083	1190
75°	912	878	760
80°	657	583	595
85°	417	349	327



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	3.4
10°-20°	183.9	9.9
20°-30°	284.3	15.4
30°-40°	348.0	18.8
40°-50°	356.7	19.3
50°-60°	303.8	16.4
60°-70°	203.0	11.0
70°-80°	90.0	4.9
80°-90°	16.3	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°	531.4	28.7
0°-40°	879.4	47.6
0°-60°	1539.9	83.3
0°-90°	1849.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	665	664	665	665	663	63
15°	654	652	652	650	648	185
25°	625	623	619	610	607	288
35°	567	566	560	547	544	355
45°	469	470	467	457	452	362
55°	350	348	340	333	332	312
65°	217	215	204	194	193	214
75°	88	89	84	85	73	95
85°	14	13	11	11	11	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	665.4	665.4	665.4	665.4	665.4
2.5°	665.4	664.3	666.1	666.8	663.5
5°	665.0	663.5	665.4	665.0	663.2
7.5°	663.9	661.3	663.2	662.4	661.7
10°	661.0	658.8	660.2	659.1	657.3
12.5°	657.0	655.5	656.6	655.5	652.9
15°	653.7	651.5	651.8	650.0	647.8
17.5°	649.3	646.0	646.0	642.3	639.8
20°	642.3	639.4	638.0	632.8	629.5
22.5°	634.3	632.1	629.2	622.6	619.0
25°	624.8	622.6	618.6	610.5	606.9
27.5°	613.8	610.9	606.5	597.0	592.6
30°	601.0	597.4	592.6	582.0	576.9
32.5°	585.3	582.8	576.6	565.6	560.9
35°	567.1	565.6	559.8	547.3	543.7
37.5°	548.4	545.5	540.4	527.2	523.6
40°	524.7	522.9	518.5	505.7	501.3
42.5°	499.1	498.0	494.4	482.3	477.5
45°	468.8	470.2	467.3	456.7	452.3
47.5°	439.9	439.2	438.1	428.6	424.9
50°	410.0	408.5	406.3	398.6	395.3
52.5°	381.8	378.9	373.1	366.5	364.3
55°	350.0	348.2	339.8	332.9	332.1
57.5°	317.9	316.8	306.6	298.5	298.5
60°	285.0	283.5	272.2	263.8	263.1
62.5°	250.6	249.6	237.9	228.4	228.7
65°	217.0	215.2	203.5	194.4	192.6
67.5°	182.0	181.2	169.9	161.5	160.8
70°	146.9	146.9	137.7	130.4	151.3
72.5°	115.8	114.7	107.4	104.1	99.4
75°	87.7	88.8	84.4	84.8	73.1
77.5°	62.5	60.7	58.8	54.8	58.1
80°	42.4	41.3	37.6	36.5	38.4
82.5°	26.3	26.7	23.4	21.2	20.8
85°	13.5	13.2	11.3	11.0	10.6
87.5°	5.1	5.5	4.7	4.4	4.0
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)