

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: P506190

Luminaire Tested: **22PD-25-PL1-L850**

Issue Date: 3/26/2021



**Test Information**

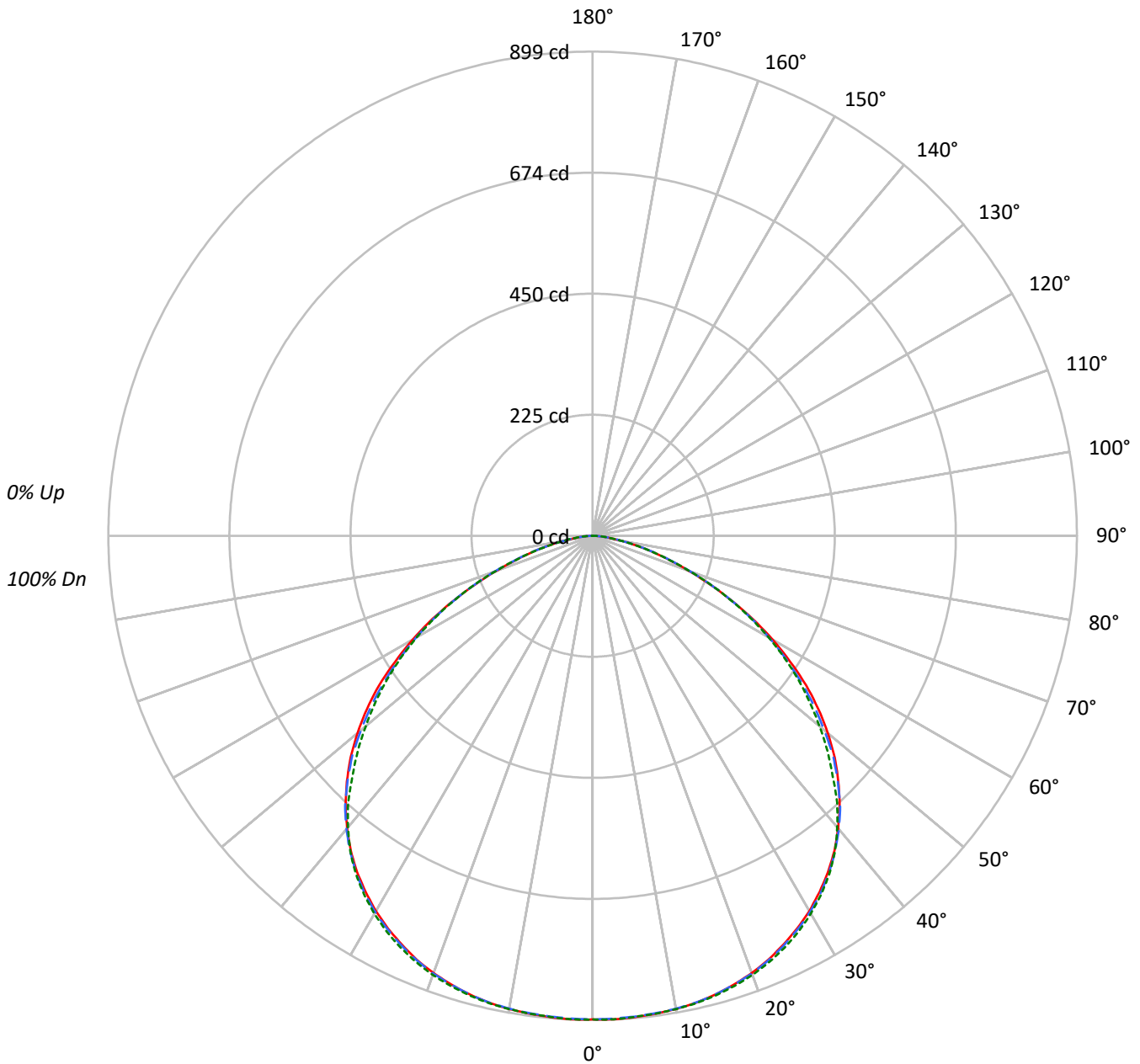
Test Method: LM-79-08  
Report Number: P506190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PL1-L850  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2543.9 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.9  
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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2417	2417	2417
5°	2424	2421	2422
10°	2438	2436	2438
15°	2456	2456	2462
20°	2474	2477	2485
25°	2487	2493	2505
30°	2500	2508	2518
35°	2504	2512	2517
40°	2491	2497	2482
45°	2455	2448	2399
50°	2386	2349	2301
55°	2270	2212	2187
60°	2078	2039	2027
65°	1812	1808	1802
70°	1485	1511	1505
75°	1177	1197	1177
80°	863	857	852
85°	577	565	605



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.4	3.4
10°-20°	249.2	9.8
20°-30°	387.3	15.2
30°-40°	477.5	18.8
40°-50°	493.2	19.4
50°-60°	422.0	16.6
60°-70°	281.7	11.1
70°-80°	123.6	4.9
80°-90°	23.9	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°	722.0	28.4
0°-40°	1199.5	47.2
0°-60°	2114.7	83.1
0°-90°	2543.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2543.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	897	896	896	896	897	85
15°	882	881	882	882	884	249
25°	838	838	840	842	844	386
35°	762	762	765	766	766	476
45°	645	645	643	637	630	497
55°	484	478	472	469	466	430
65°	285	284	284	285	283	282
75°	113	112	115	114	113	123
85°	19	18	18	19	20	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	<i>898.1</i>	898.1	898.1	898.1	898.1
2.5°	<i>898.8</i>	<i>897.5</i>	<i>897.2</i>	<i>897.2</i>	<i>898.8</i>
5°	<i>897.2</i>	895.9	896.2	895.6	896.6
7.5°	<i>895.0</i>	893.7	894.0	893.7	895.0
10°	<i>892.4</i>	891.2	891.5	891.2	892.4
12.5°	<i>888.0</i>	887.1	887.7	888.0	889.0
15°	<i>881.7</i>	880.7	881.7	882.3	883.6
17.5°	<i>873.5</i>	872.8	873.8	874.7	876.3
20°	<i>864.0</i>	863.4	864.9	865.9	867.8
22.5°	<i>852.3</i>	851.7	853.2	855.4	856.7
25°	<i>837.7</i>	837.7	839.6	842.2	843.7
27.5°	<i>822.2</i>	821.9	824.1	826.7	828.3
30°	<i>804.5</i>	803.9	807.1	809.3	810.2
32.5°	<i>784.0</i>	784.3	787.1	789.4	789.7
35°	<i>762.2</i>	762.2	764.7	766.3	766.3
37.5°	<i>737.2</i>	736.9	739.4	740.0	739.1
40°	<i>709.0</i>	709.3	710.9	710.6	706.5
42.5°	<i>678.7</i>	679.0	680.2	675.8	671.7
45°	<i>645.1</i>	644.8	643.2	637.2	630.3
47.5°	<i>609.4</i>	607.8	605.3	596.1	591.1
50°	<i>569.9</i>	567.3	561.0	553.7	549.6
52.5°	<i>528.1</i>	523.7	517.4	511.7	508.2
55°	<i>483.9</i>	477.8	471.5	469.0	466.1
57.5°	<i>434.5</i>	430.7	425.4	424.1	422.2
60°	<i>386.1</i>	382.0	378.9	378.9	376.7
62.5°	<i>335.5</i>	333.0	331.7	332.4	330.2
65°	<i>284.6</i>	284.0	284.0	284.9	283.0
67.5°	<i>235.3</i>	236.6	236.2	239.4	236.9
70°	<i>188.8</i>	191.0	192.0	195.1	191.3
72.5°	<i>148.6</i>	149.0	150.2	151.2	149.3
75°	<i>113.2</i>	112.3	115.1	114.5	113.2
77.5°	<i>81.9</i>	81.3	82.2	82.9	81.3
80°	<i>55.7</i>	55.0	55.3	56.3	55.0
82.5°	<i>35.1</i>	34.5	34.5	35.4	35.1
85°	<i>18.7</i>	18.3	18.3	19.0	19.6
87.5°	<i>6.6</i>	6.3	6.6	6.6	6.6
90°	<i>0.0</i>	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)