

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: P505848

Luminaire Tested: **14PD-25-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PR1-L850  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

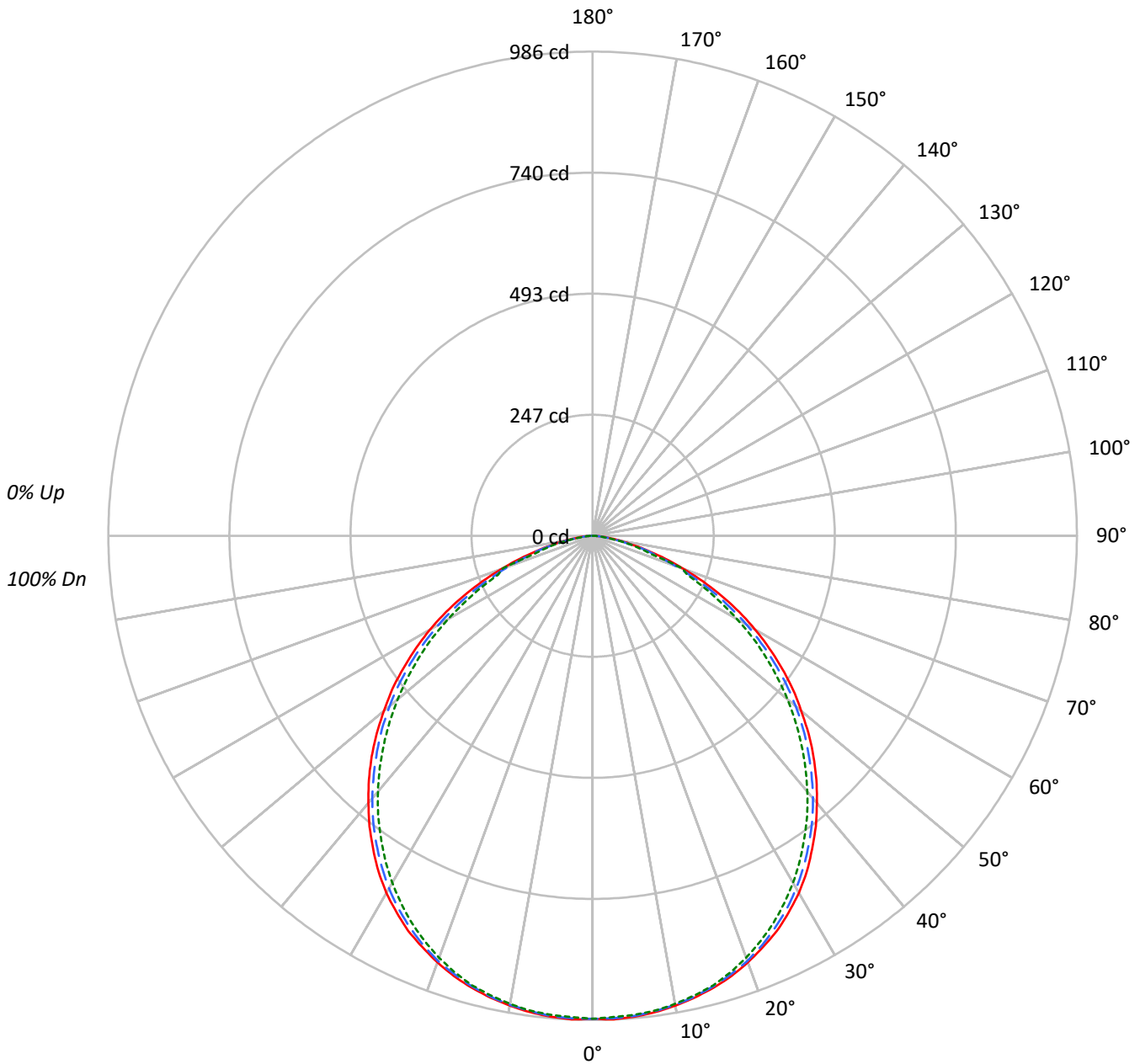
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2531.0 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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									
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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	2647	2647	2647
5°	2655	2651	2645
10°	2655	2650	2645
15°	2654	2646	2641
20°	2647	2638	2618
25°	2637	2613	2585
30°	2609	2576	2535
35°	2559	2520	2469
40°	2495	2452	2389
45°	2421	2362	2288
50°	2321	2259	2168
55°	2207	2121	2020
60°	2055	1948	1827
65°	1845	1715	1603
70°	1552	1414	1530
75°	1196	1150	1033
80°	860	770	731
85°	525	451	408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.2	3.7
10°-20°	267.8	10.6
20°-30°	404.5	16.0
30°-40°	478.6	18.9
40°-50°	477.2	18.9
50°-60°	403.1	15.9
60°-70°	268.6	10.6
70°-80°	116.7	4.6
80°-90°	21.2	0.8
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°	765.6	30.2
0°-40°	1244.2	49.2
0°-60°	2124.5	83.9
0°-90°	2531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	983	979	982	981	979	93
15°	953	948	950	948	948	269
25°	888	882	880	872	870	409
35°	779	774	767	757	752	487
45°	636	630	621	607	601	490
55°	470	467	452	437	431	420
65°	290	286	269	258	252	286
75°	115	112	111	107	99	126
85°	17	18	15	14	13	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	983.5	983.5	983.5	983.5	983.5
2.5°	985.9	981.5	983.5	983.5	981.0
5°	983.0	979.1	981.5	980.6	979.1
7.5°	978.6	974.7	976.2	975.7	975.2
10°	971.8	967.9	969.8	968.9	967.9
12.5°	963.0	959.1	961.1	959.6	958.6
15°	952.8	948.4	949.9	948.4	947.9
17.5°	940.1	935.7	936.2	934.3	932.3
20°	924.5	920.6	921.1	916.3	914.3
22.5°	906.5	902.6	902.1	895.8	893.4
25°	888.0	882.2	880.2	872.4	870.5
27.5°	864.6	859.3	856.3	848.1	844.2
30°	839.8	833.9	829.1	819.8	815.9
32.5°	811.5	805.7	799.3	789.6	785.2
35°	778.9	773.5	767.2	757.0	751.6
37.5°	746.3	740.4	734.1	721.9	717.5
40°	710.2	704.9	698.0	684.9	680.0
42.5°	674.2	667.8	659.5	646.9	641.5
45°	636.2	630.3	620.6	607.4	601.1
47.5°	596.2	591.4	581.1	567.0	560.2
50°	554.3	550.4	539.7	524.1	517.8
52.5°	514.4	509.0	496.9	481.3	474.4
55°	470.5	467.1	452.0	437.4	430.6
57.5°	426.7	422.3	407.2	392.6	386.3
60°	381.9	378.0	361.9	347.3	339.5
62.5°	336.6	332.2	315.2	302.0	294.7
65°	289.8	286.4	269.4	257.7	251.8
67.5°	243.1	240.6	222.6	212.9	208.5
70°	197.3	193.9	179.7	175.8	194.4
72.5°	154.9	150.5	138.3	132.0	127.1
75°	115.0	112.5	110.6	106.7	99.4
77.5°	80.9	80.4	73.6	68.2	73.6
80°	55.5	57.5	49.7	45.3	47.2
82.5°	34.1	38.0	29.7	26.3	25.3
85°	17.0	17.5	14.6	13.6	13.2
87.5°	6.3	7.3	6.3	5.4	5.4
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)