

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: P506246

Luminaire Tested: **22PD-35-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506246  
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-35-PL1-L930  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

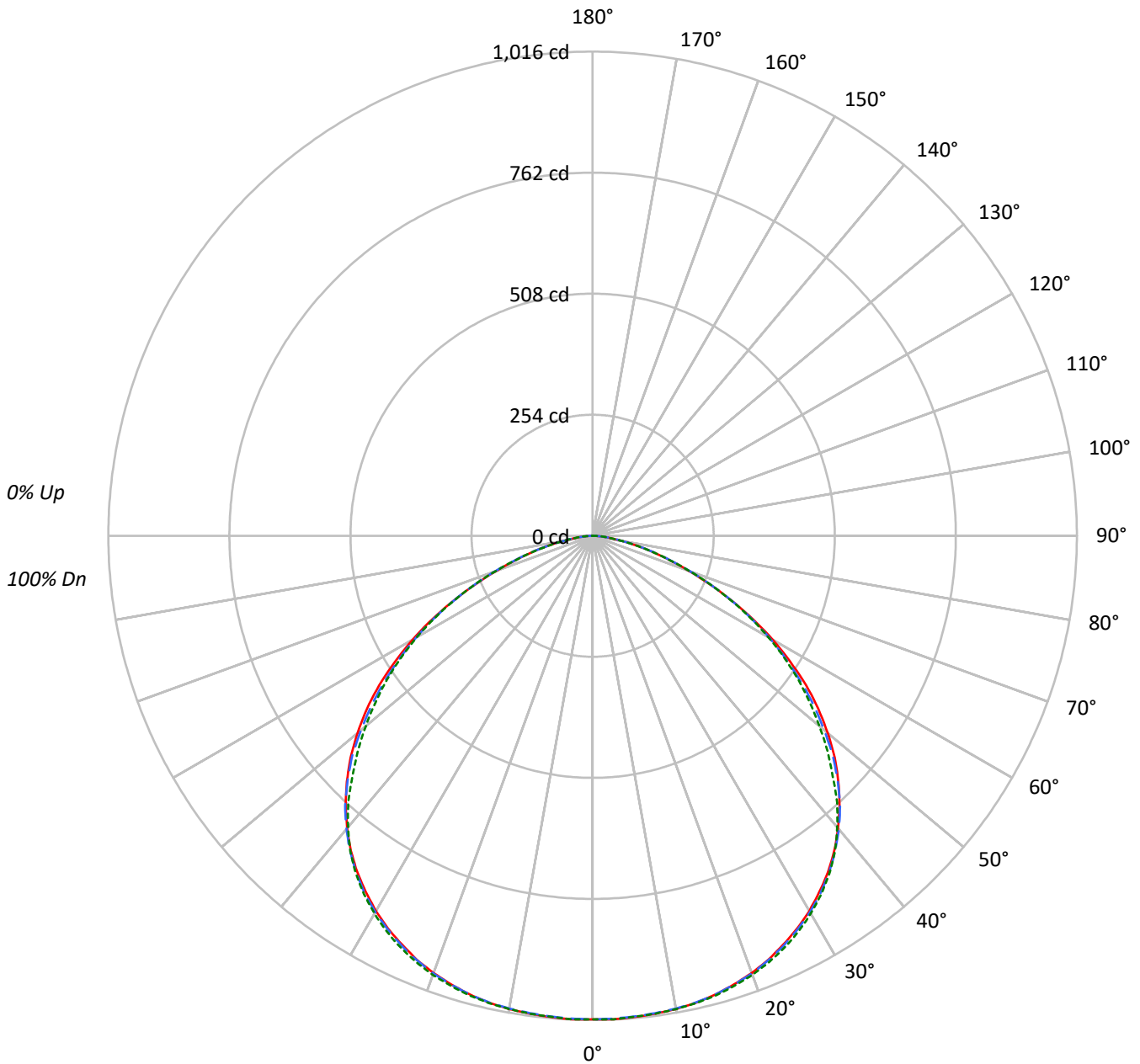
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2874.4 lumens  
Efficiency: N/A  
Efficacy: 99.8 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): 28.8  
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°	2731	2731	2731
5°	2739	2736	2736
10°	2755	2752	2755
15°	2776	2776	2781
20°	2796	2799	2808
25°	2811	2817	2831
30°	2825	2834	2845
35°	2829	2838	2844
40°	2814	2822	2804
45°	2774	2766	2710
50°	2696	2654	2600
55°	2565	2500	2471
60°	2348	2304	2291
65°	2048	2043	2036
70°	1678	1707	1701
75°	1330	1353	1330
80°	975	969	964
85°	651	639	685



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	3.4
10°-20°	281.6	9.8
20°-30°	437.7	15.2
30°-40°	539.6	18.8
40°-50°	557.3	19.4
50°-60°	476.9	16.6
60°-70°	318.3	11.1
70°-80°	139.7	4.9
80°-90°	27.0	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°	815.8	28.4
0°-40°	1355.3	47.2
0°-60°	2389.5	83.1
0°-90°	2874.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1014	1012	1013	1012	1013	97
15°	996	995	996	997	998	282
25°	947	947	949	952	953	437
35°	861	861	864	866	866	538
45°	729	729	727	720	712	561
55°	547	540	533	530	527	486
65°	322	321	321	322	320	319
75°	128	127	130	129	128	139
85°	21	21	21	21	22	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1014.8	1014.8	1014.8	1014.8	1014.8
2.5°	1015.5	1014.1	1013.8	1013.8	1015.5
5°	1013.8	1012.3	1012.7	1012.0	1013.0
7.5°	1011.3	1009.8	1010.2	1009.8	1011.3
10°	1008.4	1007.0	1007.3	1007.0	1008.4
12.5°	1003.4	1002.3	1003.0	1003.4	1004.5
15°	996.3	995.2	996.3	997.0	998.4
17.5°	987.0	986.2	987.3	988.4	990.2
20°	976.2	975.5	977.3	978.4	980.5
22.5°	963.0	962.3	964.1	966.6	968.0
25°	946.6	946.6	948.7	951.6	953.4
27.5°	929.1	928.7	931.2	934.1	935.9
30°	909.1	908.3	911.9	914.4	915.5
32.5°	885.8	886.2	889.4	891.9	892.3
35°	861.2	861.2	864.0	865.8	865.8
37.5°	833.0	832.6	835.5	836.2	835.1
40°	801.1	801.5	803.3	802.9	798.3
42.5°	766.8	767.2	768.6	763.6	759.0
45°	729.0	728.6	726.8	720.0	712.2
47.5°	688.6	686.8	683.9	673.6	667.9
50°	643.9	641.1	633.9	625.7	621.1
52.5°	596.8	591.7	584.6	578.2	574.2
55°	546.7	539.9	532.8	529.9	526.7
57.5°	491.0	486.7	480.6	479.2	477.0
60°	436.3	431.7	428.1	428.1	425.6
62.5°	379.1	376.3	374.8	375.6	373.1
65°	321.6	320.9	320.9	322.0	319.8
67.5°	265.9	267.3	266.9	270.5	267.6
70°	213.3	215.8	216.9	220.5	216.2
72.5°	167.9	168.3	169.7	170.8	168.7
75°	127.9	126.9	130.1	129.4	127.9
77.5°	92.6	91.8	92.9	93.6	91.8
80°	62.9	62.2	62.5	63.6	62.2
82.5°	39.7	38.9	38.9	40.0	39.7
85°	21.1	20.7	20.7	21.4	22.2
87.5°	7.5	7.1	7.5	7.5	7.5
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)