

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: P506201

Luminaire Tested: **22PD-25-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PR1-L930  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3000K LEDS  
Light Source: -  
Ballast/Driver: -

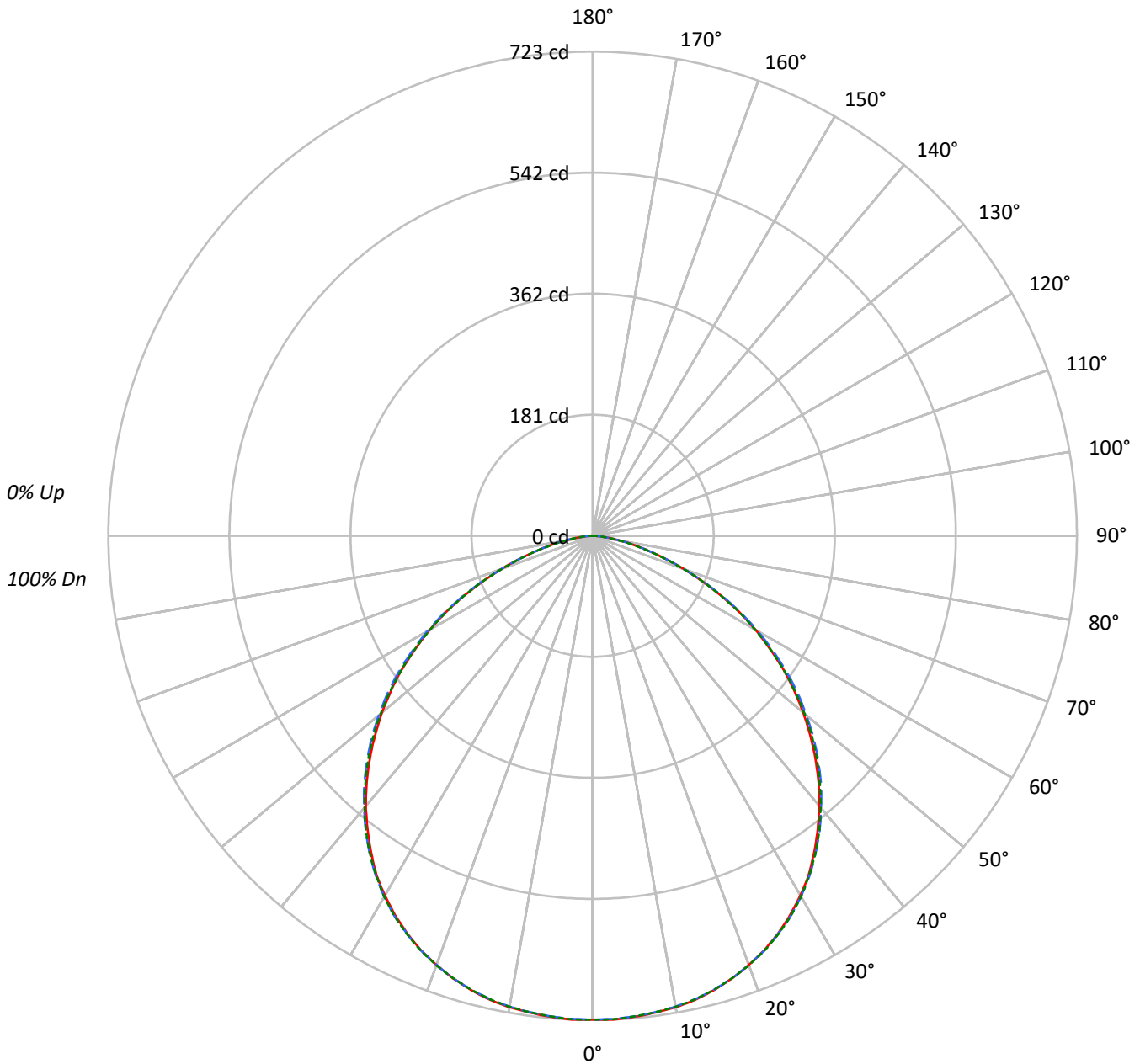
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1931.0 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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				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			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

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

	0°	45°	90°
0°	1945	1945	1945
5°	1948	1946	1946
10°	1953	1951	1951
15°	1956	1954	1955
20°	1953	1952	1954
25°	1945	1947	1948
30°	1927	1933	1934
35°	1895	1905	1904
40°	1851	1864	1861
45°	1790	1813	1804
50°	1717	1744	1729
55°	1630	1656	1632
60°	1511	1532	1506
65°	1348	1362	1347
70°	1134	1134	1127
75°	889	889	879
80°	651	643	640
85°	426	426	432



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.6	3.6
10°-20°	198.0	10.3
20°-30°	302.1	15.6
30°-40°	362.0	18.7
40°-50°	365.6	18.9
50°-60°	312.8	16.2
60°-70°	210.9	10.9
70°-80°	93.1	4.8
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°	568.7	29.4
0°-40°	930.7	48.2
0°-60°	1609.1	83.3
0°-90°	1931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	721	720	720	720	720	69
15°	702	702	701	701	702	198
25°	655	656	656	656	656	302
35°	577	580	580	580	580	360
45°	470	474	476	476	474	362
55°	347	351	353	352	348	310
65°	212	213	214	213	212	209
75°	86	86	86	86	84	93
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	722.6	722.6	722.6	722.6	722.6
2.5°	723.1	722.2	721.9	721.7	722.6
5°	721.0	720.0	720.5	720.0	720.5
7.5°	718.3	717.3	717.6	717.1	717.6
10°	714.9	714.0	714.0	713.5	714.0
12.5°	709.6	708.9	708.6	708.2	708.9
15°	702.1	701.9	701.4	701.2	701.6
17.5°	692.9	692.5	692.9	692.2	692.7
20°	682.1	682.3	681.8	682.1	682.3
22.5°	669.8	669.8	670.0	670.0	670.5
25°	655.0	655.8	655.8	655.8	656.2
27.5°	638.6	639.6	640.3	639.8	640.3
30°	620.3	622.0	622.2	622.0	622.4
32.5°	600.5	601.7	602.4	601.9	601.4
35°	576.8	580.2	580.0	579.5	579.7
37.5°	551.9	555.3	556.5	555.6	555.8
40°	526.8	529.7	530.5	530.7	529.7
42.5°	499.1	502.4	505.1	503.9	502.4
45°	470.3	474.0	476.4	475.6	474.0
47.5°	440.6	444.0	447.4	446.2	444.5
50°	410.2	413.6	416.5	416.0	413.1
52.5°	379.1	382.9	385.6	384.6	380.8
55°	347.4	350.6	353.0	352.5	347.9
57.5°	313.2	317.3	318.5	317.7	314.4
60°	280.8	283.5	284.7	283.7	279.8
62.5°	246.3	248.4	249.4	249.2	246.5
65°	211.7	213.4	213.9	213.4	211.5
67.5°	176.3	178.7	178.9	178.9	177.0
70°	144.1	144.9	144.1	146.1	143.2
72.5°	113.0	113.5	113.0	113.0	111.8
75°	85.5	85.7	85.5	85.7	84.5
77.5°	61.8	62.3	61.3	62.1	60.8
80°	42.0	42.0	41.5	41.8	41.3
82.5°	26.1	26.6	25.8	25.8	25.6
85°	13.8	13.8	13.8	14.0	14.0
87.5°	4.8	4.8	5.1	5.1	4.8
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)