

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: P506255

Luminaire Tested: **22PD-35-PR1-L930**

Issue Date: 3/26/2021

**Test Information**

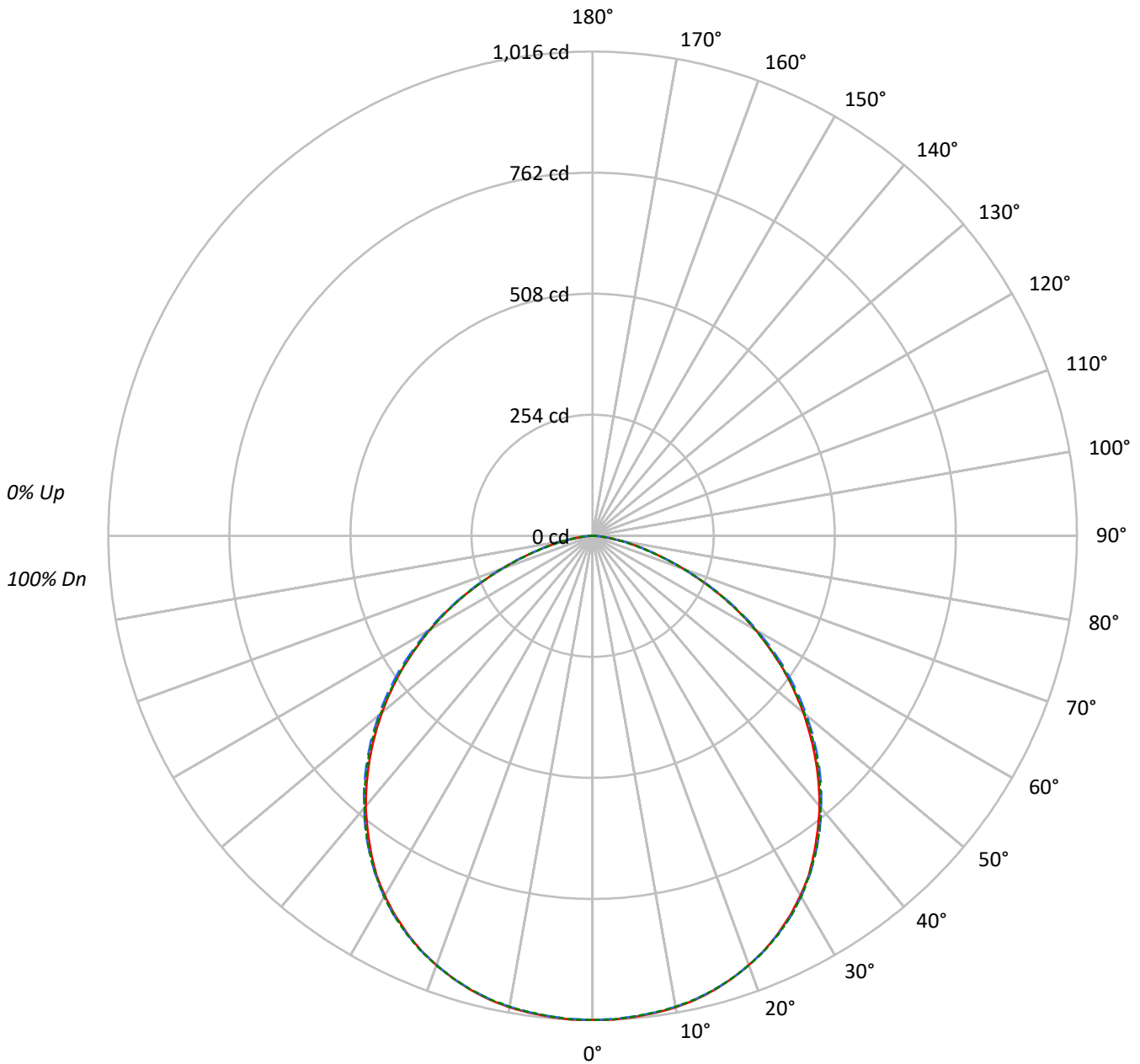
Test Method: LM-79-08  
Report Number: P506255  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-35-PR1-L930  
Description: 3500 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: 2714.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 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): 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	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°	2733	2733	2733
5°	2737	2735	2735
10°	2746	2742	2742
15°	2749	2746	2747
20°	2745	2744	2746
25°	2734	2737	2738
30°	2709	2717	2718
35°	2663	2678	2677
40°	2601	2619	2615
45°	2516	2548	2535
50°	2414	2451	2431
55°	2291	2327	2294
60°	2124	2153	2117
65°	1895	1915	1893
70°	1594	1594	1583
75°	1249	1249	1235
80°	914	905	899
85°	596	596	608



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	3.6
10°-20°	278.3	10.3
20°-30°	424.6	15.6
30°-40°	508.8	18.7
40°-50°	513.9	18.9
50°-60°	439.7	16.2
60°-70°	296.5	10.9
70°-80°	130.8	4.8
80°-90°	25.1	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°	799.3	29.4
0°-40°	1308.1	48.2
0°-60°	2261.6	83.3
0°-90°	2714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1013	1012	1013	1012	1013	96
15°	987	986	986	986	986	279
25°	921	922	922	922	922	424
35°	811	816	815	814	815	507
45°	661	666	670	668	666	509
55°	488	493	496	495	489	435
65°	298	300	301	300	297	294
75°	120	120	120	120	119	131
85°	19	19	19	20	20	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1015.7	1015.7	1015.7	1015.7	1015.7
2.5°	1016.3	1015.0	1014.7	1014.3	1015.7
5°	1013.3	1011.9	1012.6	1011.9	1012.6
7.5°	1009.6	1008.2	1008.5	1007.9	1008.5
10°	1004.8	1003.5	1003.5	1002.8	1003.5
12.5°	997.3	996.3	996.0	995.3	996.3
15°	986.8	986.5	985.8	985.5	986.1
17.5°	973.9	973.3	973.9	972.9	973.6
20°	958.7	959.0	958.3	958.7	959.0
22.5°	941.4	941.4	941.7	941.7	942.4
25°	920.7	921.7	921.7	921.7	922.3
27.5°	897.6	898.9	900.0	899.3	900.0
30°	871.8	874.2	874.5	874.2	874.8
32.5°	844.0	845.7	846.7	846.0	845.3
35°	810.7	815.5	815.1	814.4	814.8
37.5°	775.8	780.5	782.2	780.8	781.2
40°	740.5	744.5	745.5	745.9	744.5
42.5°	701.4	706.2	709.9	708.2	706.2
45°	661.1	666.1	669.5	668.5	666.1
47.5°	619.3	624.1	628.8	627.1	624.7
50°	576.6	581.3	585.4	584.7	580.6
52.5°	532.8	538.2	541.9	540.6	535.2
55°	488.3	492.7	496.1	495.4	489.0
57.5°	440.1	445.9	447.6	446.6	441.8
60°	394.7	398.4	400.1	398.7	393.3
62.5°	346.1	349.2	350.5	350.2	346.5
65°	297.6	300.0	300.7	300.0	297.3
67.5°	247.7	251.1	251.5	251.5	248.7
70°	202.6	203.6	202.6	205.3	201.2
72.5°	158.8	159.5	158.8	158.8	157.1
75°	120.1	120.5	120.1	120.5	118.8
77.5°	86.9	87.6	86.2	87.2	85.5
80°	59.0	59.0	58.4	58.7	58.0
82.5°	36.6	37.3	36.3	36.3	36.0
85°	19.3	19.3	19.3	19.7	19.7
87.5°	6.8	6.8	7.1	7.1	6.8
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)