

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: P506250

Luminaire Tested: **22PD-35-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506250  
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-L830  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

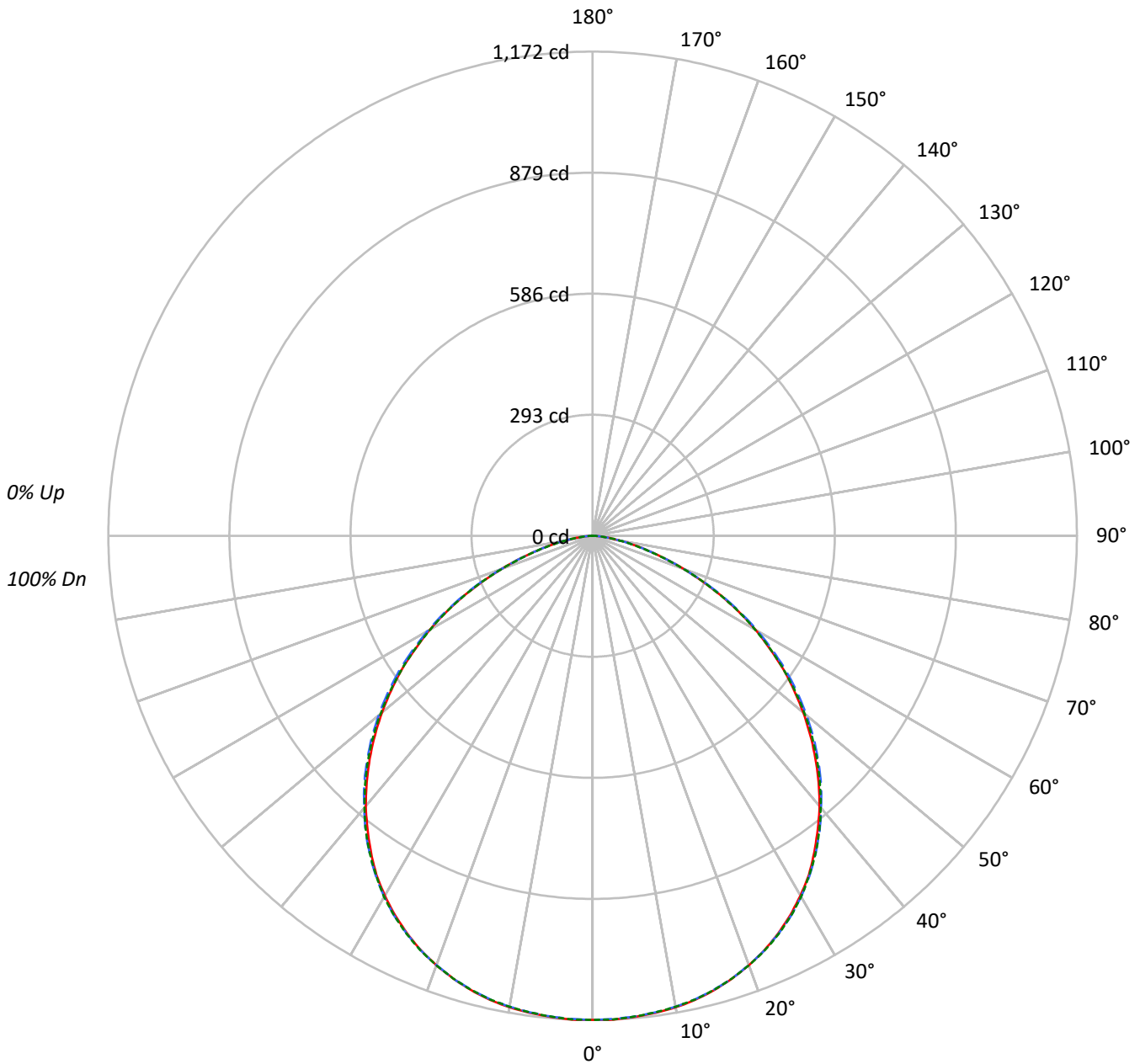
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3131.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 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				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°	3153	3153	3153
5°	3158	3156	3156
10°	3168	3163	3163
15°	3171	3168	3170
20°	3167	3166	3168
25°	3154	3157	3159
30°	3125	3135	3136
35°	3073	3089	3088
40°	3001	3021	3017
45°	2902	2939	2925
50°	2784	2827	2804
55°	2643	2685	2647
60°	2450	2484	2442
65°	2186	2209	2183
70°	1839	1839	1827
75°	1441	1441	1424
80°	1055	1043	1037
85°	689	689	701



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.2	3.6
10°-20°	321.1	10.3
20°-30°	489.8	15.6
30°-40°	587.0	18.7
40°-50°	592.8	18.9
50°-60°	507.2	16.2
60°-70°	342.0	10.9
70°-80°	150.9	4.8
80°-90°	29.0	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°	922.0	29.4
0°-40°	1509.1	48.2
0°-60°	2609.1	83.3
0°-90°	3131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3131.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1169	1167	1168	1167	1168	111
15°	1138	1138	1137	1137	1138	321
25°	1062	1063	1063	1063	1064	489
35°	935	941	940	940	940	585
45°	763	768	772	771	768	588
55°	563	568	572	572	564	502
65°	343	346	347	346	343	339
75°	139	139	139	139	137	151
85°	22	22	22	23	23	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1171.7	1171.7	1171.7	1171.7	1171.7
2.5°	1172.5	1170.9	1170.6	1170.2	1171.7
5°	1169.0	1167.4	1168.2	1167.4	1168.2
7.5°	1164.7	1163.1	1163.5	1162.7	1163.5
10°	1159.2	1157.6	1157.6	1156.8	1157.6
12.5°	1150.6	1149.4	1149.0	1148.2	1149.4
15°	1138.4	1138.1	1137.3	1136.9	1137.7
17.5°	1123.6	1122.8	1123.6	1122.4	1123.2
20°	1106.0	1106.3	1105.6	1106.0	1106.3
22.5°	1086.0	1086.0	1086.4	1086.4	1087.2
25°	1062.1	1063.3	1063.3	1063.3	1064.1
27.5°	1035.5	1037.1	1038.2	1037.4	1038.2
30°	1005.7	1008.5	1008.9	1008.5	1009.3
32.5°	973.6	975.6	976.8	976.0	975.2
35°	935.3	940.7	940.4	939.6	940.0
37.5°	894.9	900.4	902.4	900.8	901.2
40°	854.2	858.9	860.1	860.5	858.9
42.5°	809.2	814.7	819.0	817.0	814.7
45°	762.6	768.5	772.4	771.2	768.5
47.5°	714.5	719.9	725.4	723.5	720.7
50°	665.1	670.6	675.3	674.5	669.8
52.5°	614.6	620.9	625.2	623.6	617.4
55°	563.4	568.4	572.4	571.6	564.1
57.5°	507.8	514.4	516.4	515.2	509.7
60°	455.3	459.6	461.6	460.0	453.7
62.5°	399.3	402.8	404.4	404.0	399.7
65°	343.3	346.1	346.9	346.1	342.9
67.5°	285.8	289.7	290.1	290.1	287.0
70°	233.7	234.9	233.7	236.9	232.2
72.5°	183.2	184.0	183.2	183.2	181.3
75°	138.6	139.0	138.6	139.0	137.0
77.5°	100.2	101.0	99.4	100.6	98.7
80°	68.1	68.1	67.3	67.7	66.9
82.5°	42.3	43.1	41.9	41.9	41.5
85°	22.3	22.3	22.3	22.7	22.7
87.5°	7.8	7.8	8.2	8.2	7.8
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)