

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: P506606

Luminaire Tested: **24PD-35-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PR1-L930  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

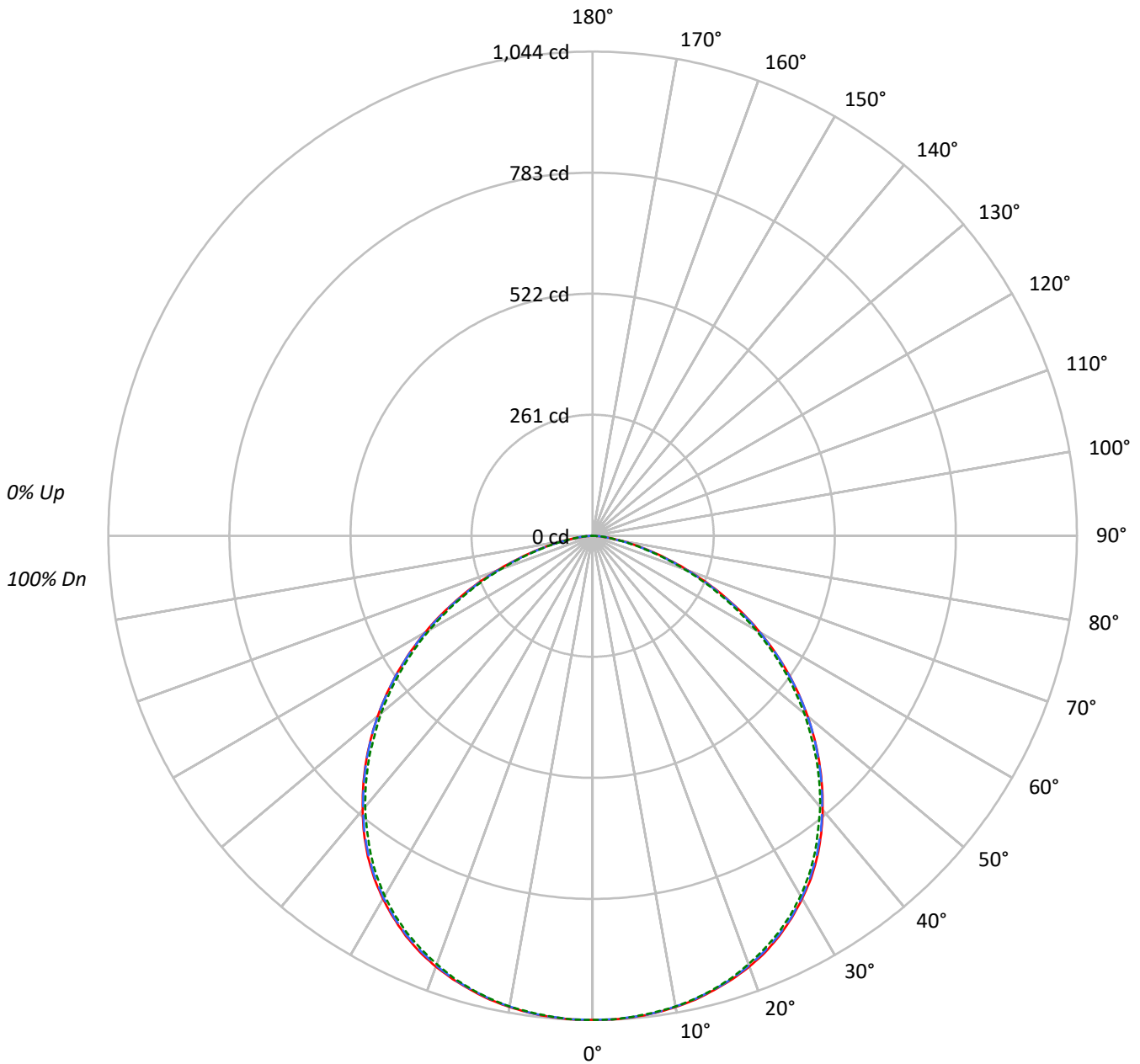
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2810.0 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25.3  
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	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	1404	1404	1404
5°	1407	1406	1405
10°	1410	1408	1408
15°	1413	1411	1409
20°	1415	1412	1408
25°	1414	1410	1404
30°	1404	1400	1393
35°	1387	1383	1372
40°	1355	1352	1340
45°	1315	1313	1298
50°	1266	1266	1247
55°	1204	1202	1179
60°	1122	1118	1093
65°	1011	999	976
70°	863	851	829
75°	683	667	651
80°	484	472	457
85°	292	283	275



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	3.5
10°-20°	286.0	10.2
20°-30°	437.3	15.6
30°-40°	525.1	18.7
40°-50°	530.6	18.9
50°-60°	456.0	16.2
60°-70°	311.0	11.1
70°-80°	139.8	5.0
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°	822.3	29.3
0°-40°	1347.4	48.0
0°-60°	2334.0	83.1
0°-90°	2810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2810.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1042	1041	1041	1040	1040	99
15°	1014	1014	1013	1012	1012	286
25°	952	952	950	946	946	439
35°	845	845	842	837	835	527
45°	691	693	690	685	682	533
55°	513	515	512	508	502	458
65°	318	319	314	312	306	314
75°	131	132	128	128	125	142
85°	19	19	18	18	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1043.8	1043.8	1043.8	1043.8	1043.8
2.5°	1044.0	1043.8	1043.5	1043.0	1043.8
5°	1041.6	1041.3	1041.1	1040.5	1040.5
7.5°	1037.8	1037.3	1037.3	1036.5	1036.2
10°	1031.9	1031.6	1030.8	1030.8	1030.6
12.5°	1024.4	1023.8	1023.0	1022.7	1022.2
15°	1014.1	1013.8	1012.8	1012.0	1011.7
17.5°	1002.5	1001.7	1000.9	999.0	999.0
20°	988.5	988.0	986.1	984.2	983.1
22.5°	972.3	971.2	969.1	967.2	965.0
25°	952.4	952.1	949.7	946.4	945.6
27.5°	929.2	929.7	927.3	924.1	922.5
30°	903.9	904.9	901.4	897.4	896.6
32.5°	876.1	876.4	873.4	869.1	867.5
35°	844.6	844.6	841.9	836.7	835.1
37.5°	809.5	809.2	807.6	801.7	798.7
40°	771.5	772.8	769.6	764.2	762.9
42.5°	732.1	733.8	730.8	726.2	723.2
45°	691.2	693.1	690.1	685.2	682.3
47.5°	648.8	650.2	648.0	641.8	637.8
50°	604.9	607.6	604.6	598.2	595.5
52.5°	559.6	562.6	559.1	554.2	549.1
55°	513.3	515.1	512.2	507.6	502.5
57.5°	465.5	469.3	464.5	459.1	454.8
60°	417.0	420.3	415.4	410.5	406.0
62.5°	367.7	369.8	364.5	361.5	356.1
65°	317.5	319.2	313.8	311.6	306.5
67.5°	267.9	269.3	264.2	261.2	258.2
70°	219.4	220.5	216.2	213.5	210.8
72.5°	173.6	173.9	169.8	169.0	165.8
75°	131.3	132.4	128.3	127.5	125.3
77.5°	94.3	94.6	91.9	91.4	89.5
80°	62.5	62.8	60.9	60.7	59.0
82.5°	37.7	38.0	36.4	36.4	35.3
85°	18.9	19.1	18.3	18.3	17.8
87.5°	6.5	6.7	6.5	6.5	6.2
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)