

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: P506904

Luminaire Tested: **24PD-90-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506904  
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-90-PR1-L935  
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

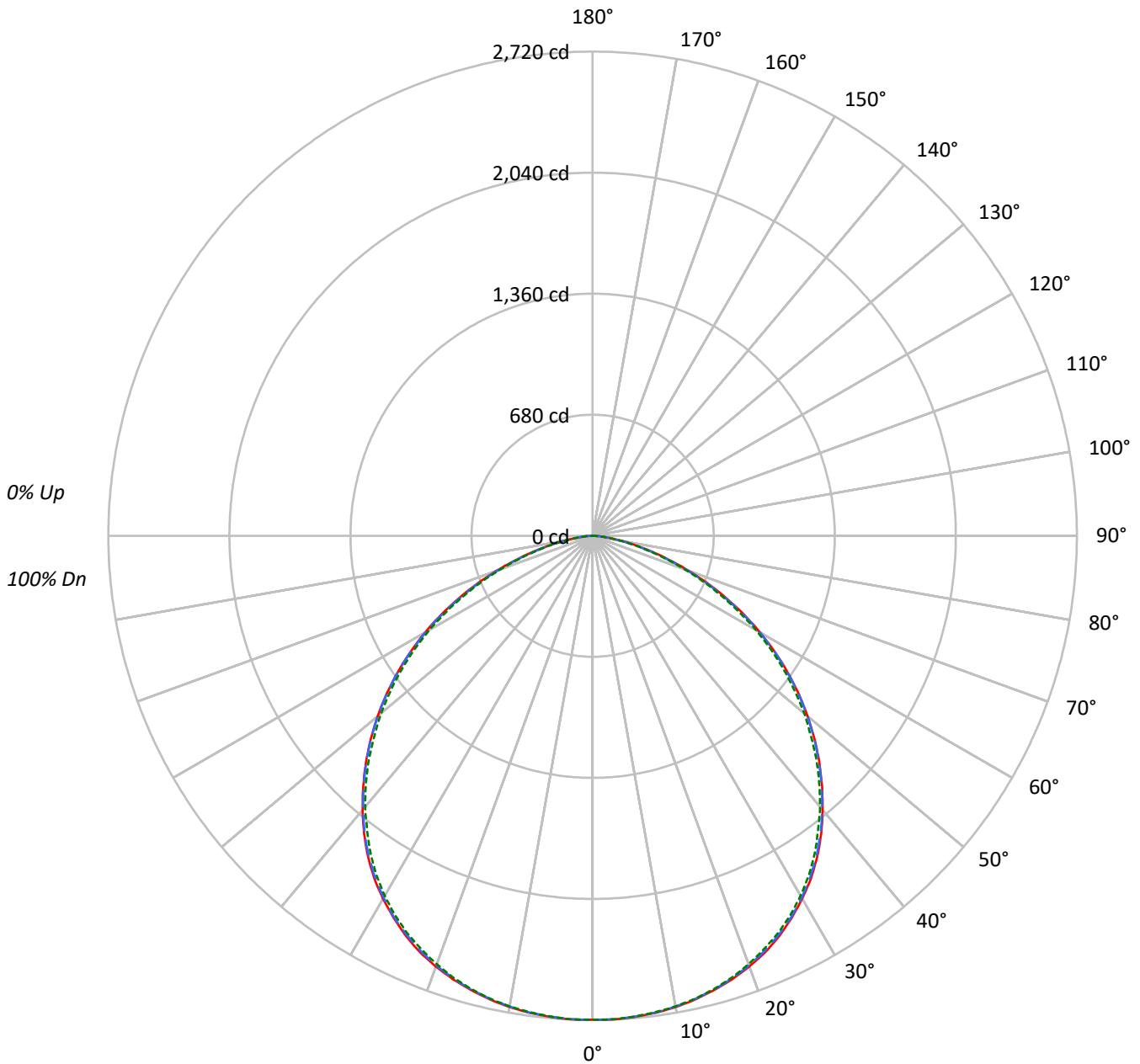
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7320.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 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): 69.7  
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°	3658	3658	3658
5°	3665	3663	3661
10°	3673	3669	3668
15°	3680	3675	3671
20°	3687	3678	3667
25°	3683	3673	3657
30°	3658	3648	3629
35°	3614	3602	3573
40°	3530	3521	3491
45°	3426	3421	3382
50°	3298	3297	3247
55°	3136	3130	3070
60°	2923	2912	2846
65°	2634	2602	2542
70°	2249	2216	2160
75°	1778	1738	1697
80°	1262	1230	1192
85°	760	738	715



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.0	3.5
10°-20°	745.1	10.2
20°-30°	1139.0	15.6
30°-40°	1367.8	18.7
40°-50°	1382.3	18.9
50°-60°	1187.7	16.2
60°-70°	810.2	11.1
70°-80°	364.3	5.0
80°-90°	65.5	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°	2142.2	29.3
0°-40°	3510.0	48.0
0°-60°	6080.0	83.1
0°-90°	7320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7320.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2713	2713	2712	2711	2711	258
15°	2642	2641	2638	2636	2635	746
25°	2481	2480	2474	2466	2463	1142
35°	2200	2200	2193	2180	2176	1374
45°	1800	1805	1798	1785	1777	1388
55°	1337	1342	1334	1322	1309	1193
65°	827	831	817	812	798	819
75°	342	345	334	332	326	371
85°	49	50	48	48	46	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2719.0	2719.0	2719.0	2719.0	2719.0
2.5°	2719.7	2719.0	2718.3	2716.9	2719.0
5°	2713.4	2712.7	2712.0	2710.6	2710.6
7.5°	2703.5	2702.1	2702.1	2700.0	2699.3
10°	2688.1	2687.4	2685.3	2685.3	2684.6
12.5°	2668.4	2667.0	2664.9	2664.2	2662.8
15°	2641.7	2641.0	2638.2	2636.1	2635.4
17.5°	2611.5	2609.4	2607.3	2602.4	2602.4
20°	2575.0	2573.6	2568.7	2563.8	2561.0
22.5°	2532.9	2530.1	2524.5	2519.5	2513.9
25°	2480.9	2480.2	2473.9	2465.5	2463.4
27.5°	2420.5	2421.9	2415.6	2407.2	2403.0
30°	2354.5	2357.3	2348.2	2337.7	2335.6
32.5°	2282.2	2282.9	2275.2	2263.9	2259.7
35°	2200.0	2200.0	2193.0	2179.7	2175.5
37.5°	2108.8	2108.1	2103.8	2088.4	2080.7
40°	2009.7	2013.3	2004.8	1990.8	1987.3
42.5°	1907.2	1911.4	1903.7	1891.8	1884.0
45°	1800.5	1805.4	1797.7	1785.0	1777.3
47.5°	1690.2	1693.7	1688.1	1672.0	1661.4
50°	1575.8	1582.8	1575.1	1558.2	1551.2
52.5°	1457.8	1465.5	1456.4	1443.8	1430.4
55°	1337.0	1341.9	1334.2	1322.3	1308.9
57.5°	1212.7	1222.6	1209.9	1195.9	1184.6
60°	1086.3	1094.8	1082.1	1069.5	1057.5
62.5°	957.8	963.4	949.4	941.7	927.6
65°	827.2	831.4	817.4	811.8	798.4
67.5°	698.0	701.5	688.2	680.4	672.7
70°	571.6	574.4	563.2	556.2	549.1
72.5°	452.2	452.9	442.4	440.3	431.9
75°	342.0	344.8	334.3	332.1	326.5
77.5°	245.8	246.5	239.5	238.1	233.1
80°	162.9	163.6	158.7	158.0	153.8
82.5°	98.3	99.0	94.8	94.8	92.0
85°	49.2	49.9	47.8	47.8	46.3
87.5°	16.9	17.6	16.9	16.9	16.2
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)