

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: P506906

Luminaire Tested: **24PD-90-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506906  
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-L950  
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

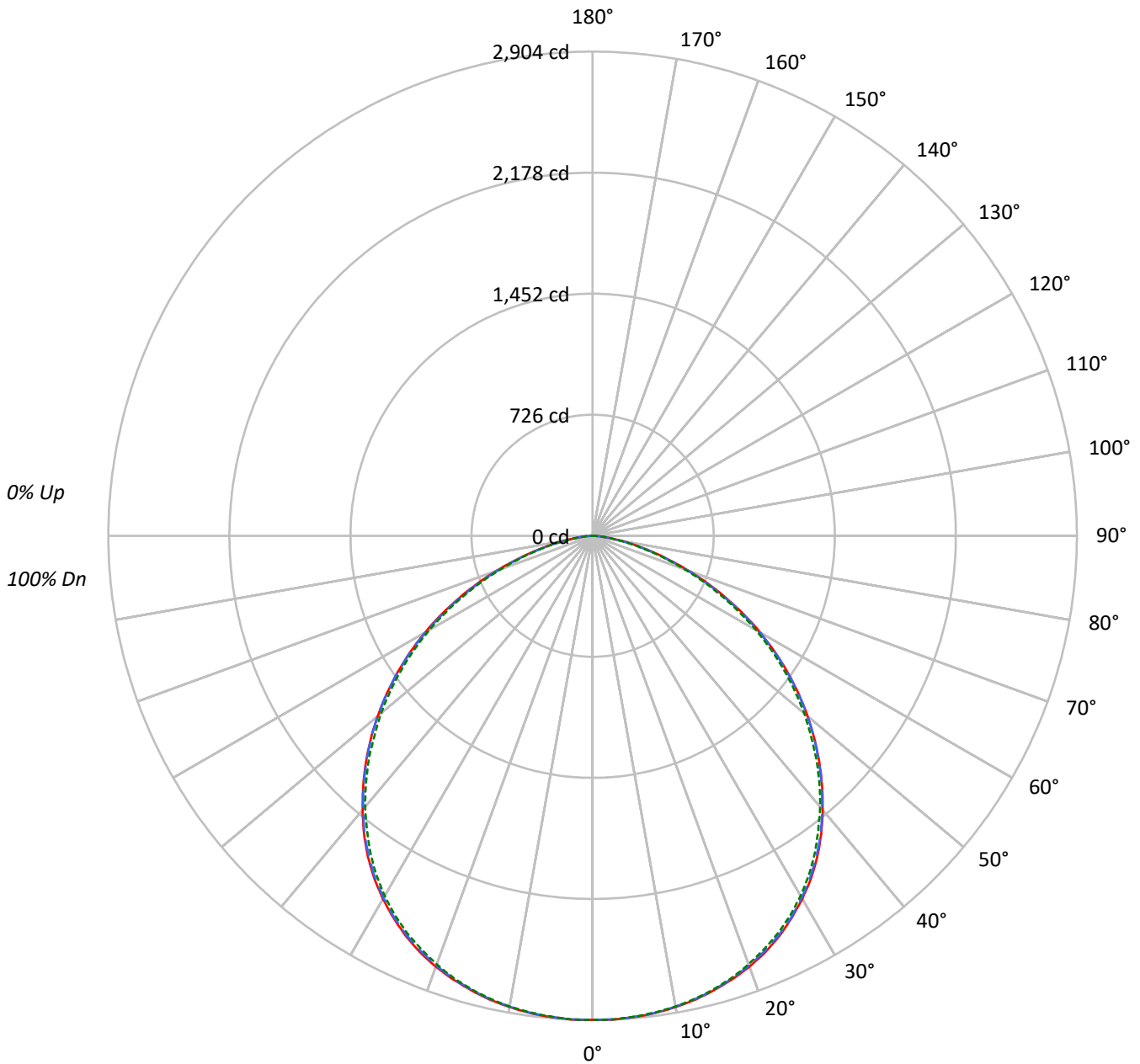
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7817.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 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°	3907	3907	3907
5°	3914	3912	3910
10°	3922	3918	3917
15°	3930	3924	3920
20°	3937	3928	3916
25°	3933	3922	3905
30°	3906	3896	3875
35°	3859	3847	3816
40°	3770	3760	3727
45°	3659	3653	3612
50°	3522	3521	3467
55°	3349	3342	3279
60°	3122	3110	3039
65°	2812	2779	2714
70°	2401	2366	2307
75°	1899	1855	1813
80°	1348	1313	1272
85°	810	787	764



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.6	3.5
10°-20°	795.7	10.2
20°-30°	1216.4	15.6
30°-40°	1460.7	18.7
40°-50°	1476.1	18.9
50°-60°	1268.4	16.2
60°-70°	865.2	11.1
70°-80°	389.0	5.0
80°-90°	70.0	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°	2287.6	29.3
0°-40°	3748.3	48.0
0°-60°	6492.8	83.1
0°-90°	7817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7817.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2904	2904	2904	2904	2904	
5°	2898	2897	2896	2895	2895	276
15°	2821	2820	2817	2815	2814	797
25°	2649	2649	2642	2633	2631	1220
35°	2349	2349	2342	2328	2323	1467
45°	1923	1928	1920	1906	1898	1482
55°	1428	1433	1425	1412	1398	1274
65°	883	888	873	867	853	874
75°	365	368	357	355	349	396
85°	52	53	51	51	50	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2903.6	2903.6	2903.6	2903.6	2903.6
2.5°	2904.3	2903.6	2902.8	2901.3	2903.6
5°	2897.6	2896.8	2896.1	2894.6	2894.6
7.5°	2887.1	2885.6	2885.6	2883.3	2882.6
10°	2870.6	2869.8	2867.6	2867.6	2866.8
12.5°	2849.6	2848.1	2845.8	2845.1	2843.6
15°	2821.1	2820.3	2817.3	2815.1	2814.3
17.5°	2788.9	2786.6	2784.4	2779.1	2779.1
20°	2749.9	2748.4	2743.1	2737.9	2734.9
22.5°	2704.9	2701.9	2695.9	2690.6	2684.6
25°	2649.4	2648.6	2641.9	2632.9	2630.6
27.5°	2584.9	2586.4	2579.6	2570.6	2566.1
30°	2514.4	2517.4	2507.6	2496.4	2494.1
32.5°	2437.2	2437.9	2429.7	2417.7	2413.2
35°	2349.4	2349.4	2341.9	2327.7	2323.2
37.5°	2251.9	2251.2	2246.7	2230.2	2221.9
40°	2146.2	2149.9	2140.9	2125.9	2122.2
42.5°	2036.7	2041.2	2033.0	2020.2	2012.0
45°	1922.7	1928.0	1919.7	1906.2	1898.0
47.5°	1805.0	1808.7	1802.7	1785.5	1774.2
50°	1682.8	1690.3	1682.0	1664.0	1656.5
52.5°	1556.8	1565.0	1555.3	1541.8	1527.5
55°	1427.8	1433.0	1424.8	1412.0	1397.8
57.5°	1295.1	1305.6	1292.1	1277.1	1265.1
60°	1160.1	1169.1	1155.6	1142.1	1129.3
62.5°	1022.9	1028.9	1013.9	1005.6	990.6
65°	883.4	887.9	872.9	866.9	852.6
67.5°	745.4	749.1	734.9	726.6	718.4
70°	610.4	613.4	601.4	593.9	586.4
72.5°	482.9	483.7	472.4	470.2	461.2
75°	365.2	368.2	356.9	354.7	348.7
77.5°	262.5	263.2	255.7	254.2	249.0
80°	174.0	174.7	169.5	168.7	164.2
82.5°	105.0	105.7	101.2	101.2	98.2
85°	52.5	53.2	51.0	51.0	49.5
87.5°	18.0	18.7	18.0	18.0	17.2
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)