

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: P506895

Luminaire Tested: **24PD-90-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-90-PL1-L935  
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

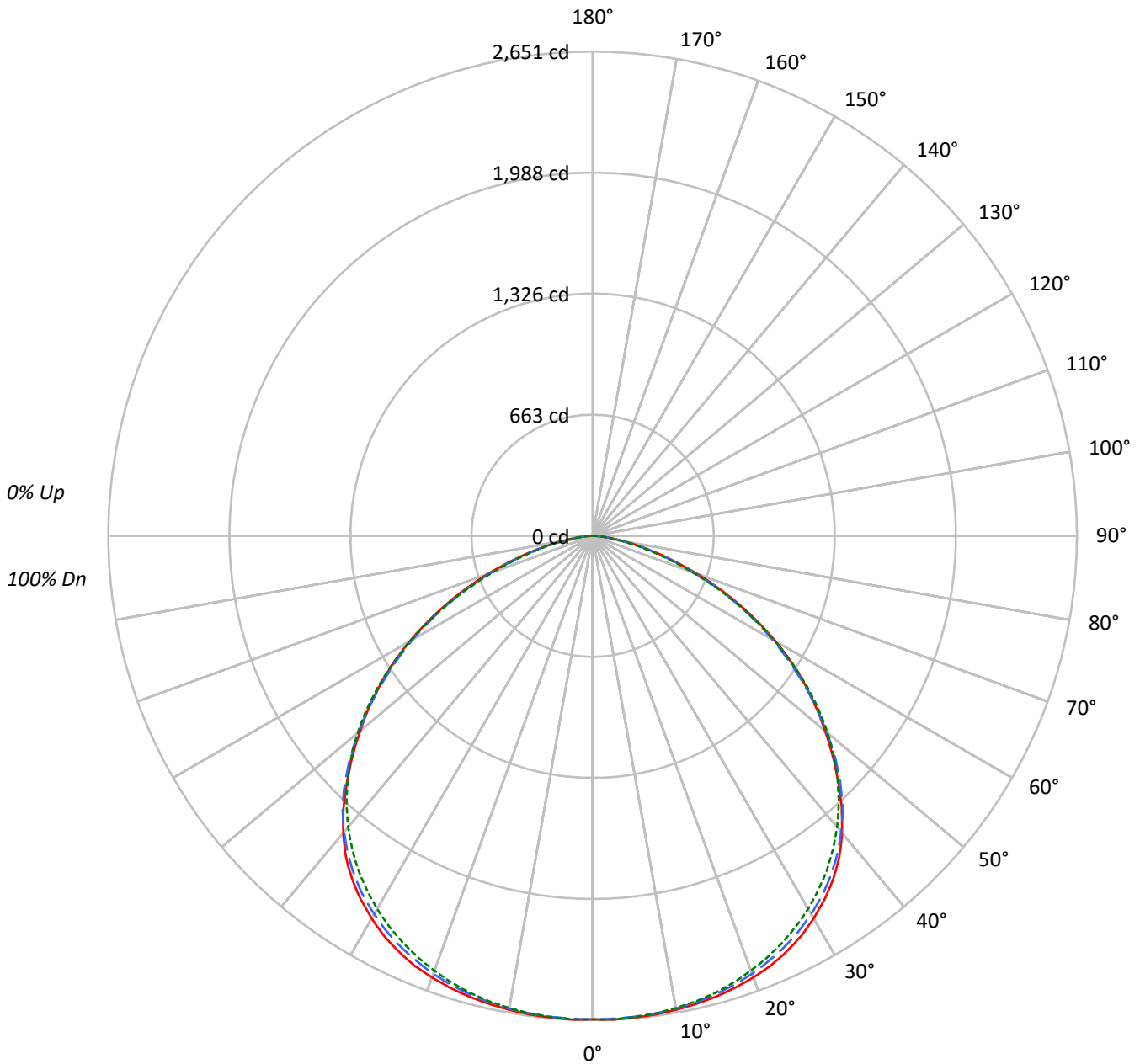
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7595.3 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	3562	3562	3562
5°	3576	3570	3571
10°	3600	3591	3588
15°	3639	3620	3609
20°	3684	3654	3628
25°	3729	3687	3650
30°	3759	3716	3664
35°	3771	3733	3671
40°	3731	3717	3657
45°	3617	3650	3610
50°	3477	3503	3515
55°	3327	3301	3350
60°	3112	3061	3100
65°	2800	2744	2742
70°	2384	2330	2276
75°	1877	1836	1760
80°	1343	1303	1230
85°	795	783	727



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.9	3.3
10°-20°	734.9	9.7
20°-30°	1145.6	15.1
30°-40°	1417.6	18.7
40°-50°	1469.6	19.3
50°-60°	1265.3	16.7
60°-70°	858.5	11.3
70°-80°	383.1	5.0
80°-90°	68.9	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°	2132.4	28.1
0°-40°	3550.0	46.7
0°-60°	6284.9	82.7
0°-90°	7595.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7595.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2648	2648	2648	2648	2648	
5°	2648	2644	2643	2643	2644	252
15°	2612	2605	2599	2593	2591	739
25°	2512	2503	2484	2466	2458	1158
35°	2296	2290	2273	2248	2235	1433
45°	1901	1910	1918	1911	1897	1465
55°	1418	1419	1407	1423	1428	1265
65°	879	883	862	853	861	870
75°	361	364	353	345	339	392
85°	52	52	51	51	47	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2647.7	2647.7	2647.7	2647.7	2647.7
2.5°	2651.3	2645.5	2646.2	2646.9	2649.8
5°	2647.7	2644.0	2643.3	2643.3	2644.0
7.5°	2643.3	2639.0	2638.2	2637.5	2637.5
10°	2635.3	2631.0	2628.1	2626.6	2625.9
12.5°	2624.5	2619.4	2615.8	2612.9	2610.7
15°	2612.1	2604.9	2599.1	2593.3	2591.1
17.5°	2594.7	2588.2	2578.1	2568.6	2565.0
20°	2573.0	2566.5	2552.0	2538.9	2533.8
22.5°	2547.6	2538.2	2520.1	2505.6	2498.3
25°	2512.1	2502.7	2483.8	2465.7	2458.4
27.5°	2470.8	2462.1	2441.8	2420.0	2411.3
30°	2419.3	2413.5	2391.7	2367.8	2358.4
32.5°	2362.0	2356.2	2337.4	2310.5	2299.7
35°	2296.0	2289.5	2272.8	2248.2	2235.1
37.5°	2217.7	2215.6	2199.6	2174.2	2161.9
40°	2124.2	2128.6	2116.2	2094.5	2082.2
42.5°	2017.6	2027.1	2027.1	2006.8	1994.4
45°	1900.9	1909.6	1918.3	1911.1	1897.3
47.5°	1781.3	1790.7	1800.9	1803.8	1792.2
50°	1661.0	1666.8	1673.3	1686.3	1679.1
52.5°	1541.3	1543.5	1541.3	1558.7	1557.3
55°	1418.1	1418.8	1407.2	1423.2	1428.2
57.5°	1289.8	1291.9	1273.1	1281.8	1292.7
60°	1156.4	1158.5	1137.5	1139.0	1152.0
62.5°	1018.6	1021.5	1000.5	995.4	1007.0
65°	879.4	883.0	862.0	852.6	861.3
67.5°	740.9	745.3	725.7	714.1	716.3
70°	606.1	609.7	592.3	581.4	578.5
72.5°	477.8	481.4	467.6	456.7	451.7
75°	361.0	363.9	353.1	345.1	338.6
77.5°	259.5	261.7	253.0	247.2	240.7
80°	173.3	174.0	168.2	164.6	158.8
82.5°	103.7	104.4	100.8	99.3	95.0
85°	51.5	52.2	50.7	50.7	47.1
87.5°	18.1	17.4	18.1	18.1	15.9
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)