

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: P506791

Luminaire Tested: **24PD-70-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506791  
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-70-PR1-L835  
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

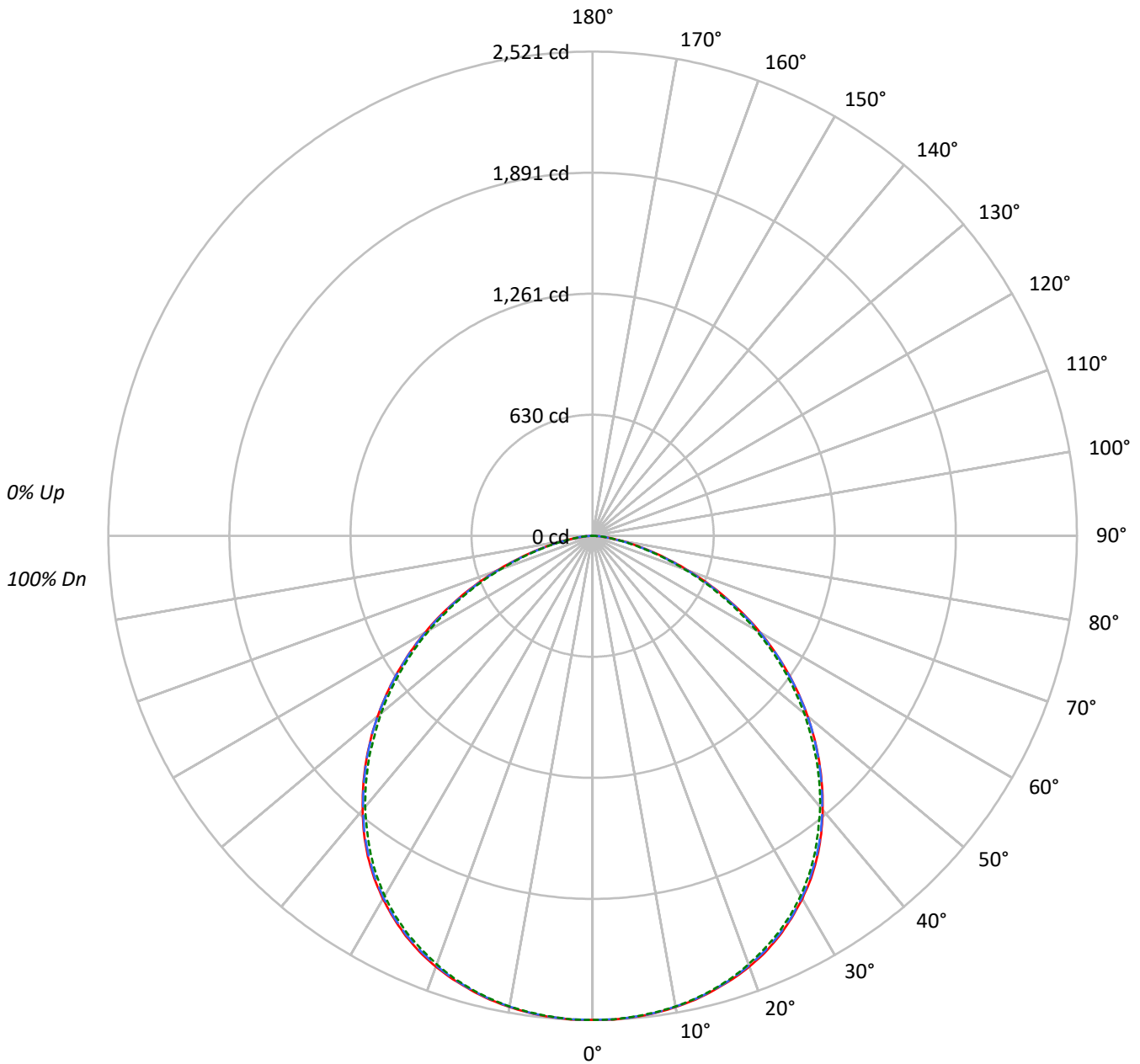
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6786.0 lumens  
Efficiency: N/A  
Efficacy: 131.8 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): 51.5  
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	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°	3391	3391	3391
5°	3397	3396	3394
10°	3405	3401	3400
15°	3411	3407	3403
20°	3418	3410	3399
25°	3414	3405	3390
30°	3391	3382	3364
35°	3350	3339	3313
40°	3272	3264	3236
45°	3176	3171	3135
50°	3058	3057	3010
55°	2908	2902	2846
60°	2710	2700	2638
65°	2442	2413	2357
70°	2085	2054	2003
75°	1648	1611	1574
80°	1170	1140	1105
85°	704	684	664



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.2	3.5
10°-20°	690.7	10.2
20°-30°	1055.9	15.6
30°-40°	1268.1	18.7
40°-50°	1281.5	18.9
50°-60°	1101.1	16.2
60°-70°	751.1	11.1
70°-80°	337.7	5.0
80°-90°	60.7	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°	1985.9	29.3
0°-40°	3253.9	48.0
0°-60°	5636.5	83.1
0°-90°	6786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2521	2521	2521	2521	2521	
5°	2515	2515	2514	2513	2513	239
15°	2449	2448	2446	2444	2443	692
25°	2300	2299	2293	2286	2284	1059
35°	2040	2040	2033	2021	2017	1273
45°	1669	1674	1666	1655	1648	1286
55°	1240	1244	1237	1226	1213	1106
65°	767	771	758	752	740	759
75°	317	320	310	308	303	344
85°	46	46	44	44	43	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2520.6	2520.6	2520.6	2520.6	2520.6
2.5°	2521.3	2520.6	2520.0	2518.7	2520.6
5°	2515.4	2514.8	2514.1	2512.8	2512.8
7.5°	2506.3	2505.0	2505.0	2503.0	2502.4
10°	2492.0	2491.3	2489.4	2489.4	2488.7
12.5°	2473.8	2472.5	2470.5	2469.8	2468.5
15°	2449.0	2448.4	2445.8	2443.8	2443.2
17.5°	2421.0	2419.1	2417.1	2412.6	2412.6
20°	2387.2	2385.9	2381.3	2376.8	2374.2
22.5°	2348.1	2345.5	2340.3	2335.7	2330.5
25°	2299.9	2299.3	2293.4	2285.6	2283.7
27.5°	2244.0	2245.3	2239.4	2231.6	2227.7
30°	2182.8	2185.4	2176.9	2167.1	2165.2
32.5°	2115.7	2116.4	2109.2	2098.8	2094.9
35°	2039.5	2039.5	2033.0	2020.7	2016.8
37.5°	1954.9	1954.3	1950.4	1936.0	1928.9
40°	1863.1	1866.4	1858.6	1845.6	1842.3
42.5°	1768.1	1772.0	1764.8	1753.8	1746.6
45°	1669.1	1673.7	1666.5	1654.8	1647.7
47.5°	1566.9	1570.2	1565.0	1550.0	1540.2
50°	1460.8	1467.3	1460.2	1444.5	1438.0
52.5°	1351.5	1358.6	1350.1	1338.4	1326.1
55°	1239.5	1244.0	1236.9	1225.8	1213.4
57.5°	1124.3	1133.4	1121.7	1108.6	1098.2
60°	1007.1	1014.9	1003.2	991.5	980.4
62.5°	887.9	893.2	880.1	873.0	860.0
65°	766.9	770.8	757.8	752.5	740.2
67.5°	647.1	650.3	638.0	630.8	623.6
70°	529.9	532.5	522.1	515.6	509.1
72.5°	419.2	419.9	410.1	408.2	400.4
75°	317.0	319.6	309.9	307.9	302.7
77.5°	227.8	228.5	222.0	220.7	216.1
80°	151.0	151.7	147.1	146.5	142.6
82.5°	91.1	91.8	87.9	87.9	85.3
85°	45.6	46.2	44.3	44.3	43.0
87.5°	15.6	16.3	15.6	15.6	15.0
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)