

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: P505878

Luminaire Tested: **14PD-30-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PR1-L935  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS  
Light Source: -  
Ballast/Driver: -

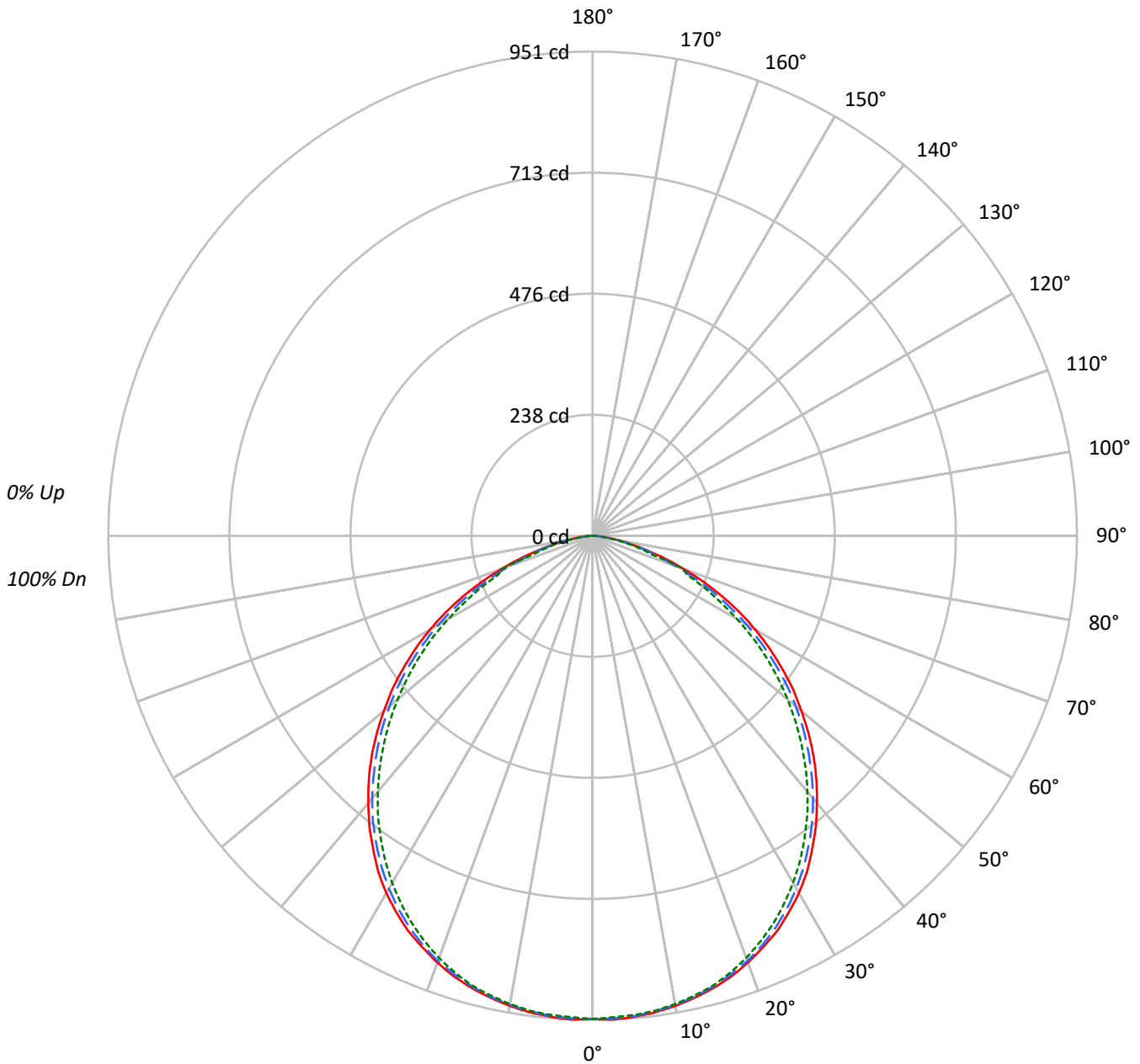
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2442.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27  
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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	2553	2553	2553
5°	2562	2558	2552
10°	2562	2557	2552
15°	2561	2553	2548
20°	2554	2545	2526
25°	2544	2522	2494
30°	2518	2486	2446
35°	2469	2432	2382
40°	2407	2366	2305
45°	2336	2279	2207
50°	2239	2180	2092
55°	2130	2046	1949
60°	1983	1879	1763
65°	1780	1655	1547
70°	1497	1364	1475
75°	1153	1109	997
80°	831	742	707
85°	506	435	392



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	3.7
10°-20°	258.4	10.6
20°-30°	390.3	16.0
30°-40°	461.8	18.9
40°-50°	460.4	18.9
50°-60°	389.0	15.9
60°-70°	259.2	10.6
70°-80°	112.6	4.6
80°-90°	20.4	0.8
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°	738.7	30.2
0°-40°	1200.4	49.2
0°-60°	2049.8	83.9
0°-90°	2442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	948	945	947	946	945	90
15°	919	915	916	915	915	259
25°	857	851	849	842	840	394
35°	752	746	740	730	725	470
45°	614	608	599	586	580	473
55°	454	451	436	422	416	405
65°	280	276	260	249	243	276
75°	111	109	107	103	96	121
85°	16	17	14	13	13	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	948.9	948.9	948.9	948.9	948.9
2.5°	951.2	947.0	948.9	948.9	946.5
5°	948.4	944.7	947.0	946.1	944.7
7.5°	944.2	940.4	941.8	941.4	940.9
10°	937.6	933.9	935.7	934.8	933.9
12.5°	929.2	925.4	927.3	925.9	924.9
15°	919.3	915.1	916.5	915.1	914.6
17.5°	907.1	902.8	903.3	901.4	899.5
20°	892.0	888.3	888.7	884.0	882.2
22.5°	874.6	870.9	870.4	864.3	861.9
25°	856.8	851.1	849.3	841.7	839.9
27.5°	834.2	829.0	826.2	818.2	814.5
30°	810.3	804.6	799.9	791.0	787.2
32.5°	783.0	777.4	771.2	761.8	757.6
35°	751.5	746.3	740.2	730.4	725.2
37.5°	720.0	714.4	708.3	696.5	692.3
40°	685.2	680.1	673.5	660.8	656.1
42.5°	650.5	644.3	636.4	624.1	619.0
45°	613.8	608.2	598.8	586.1	580.0
47.5°	575.3	570.6	560.7	547.1	540.5
50°	534.8	531.1	520.7	505.7	499.6
52.5°	496.3	491.1	479.4	464.3	457.8
55°	454.0	450.7	436.1	422.0	415.5
57.5°	411.7	407.5	392.9	378.8	372.7
60°	368.5	364.7	349.2	335.1	327.6
62.5°	324.8	320.5	304.1	291.4	284.3
65°	279.6	276.3	259.9	248.6	243.0
67.5°	234.5	232.2	214.8	205.4	201.2
70°	190.3	187.1	173.4	169.7	187.5
72.5°	149.5	145.2	133.5	127.4	122.7
75°	110.9	108.6	106.7	102.9	95.9
77.5°	78.0	77.5	71.0	65.8	71.0
80°	53.6	55.5	47.9	43.7	45.6
82.5°	32.9	36.7	28.7	25.4	24.4
85°	16.4	16.9	14.1	13.2	12.7
87.5°	6.1	7.0	6.1	5.2	5.2
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)