

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: P505877

Luminaire Tested: **14PD-30-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505877  
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-L930  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

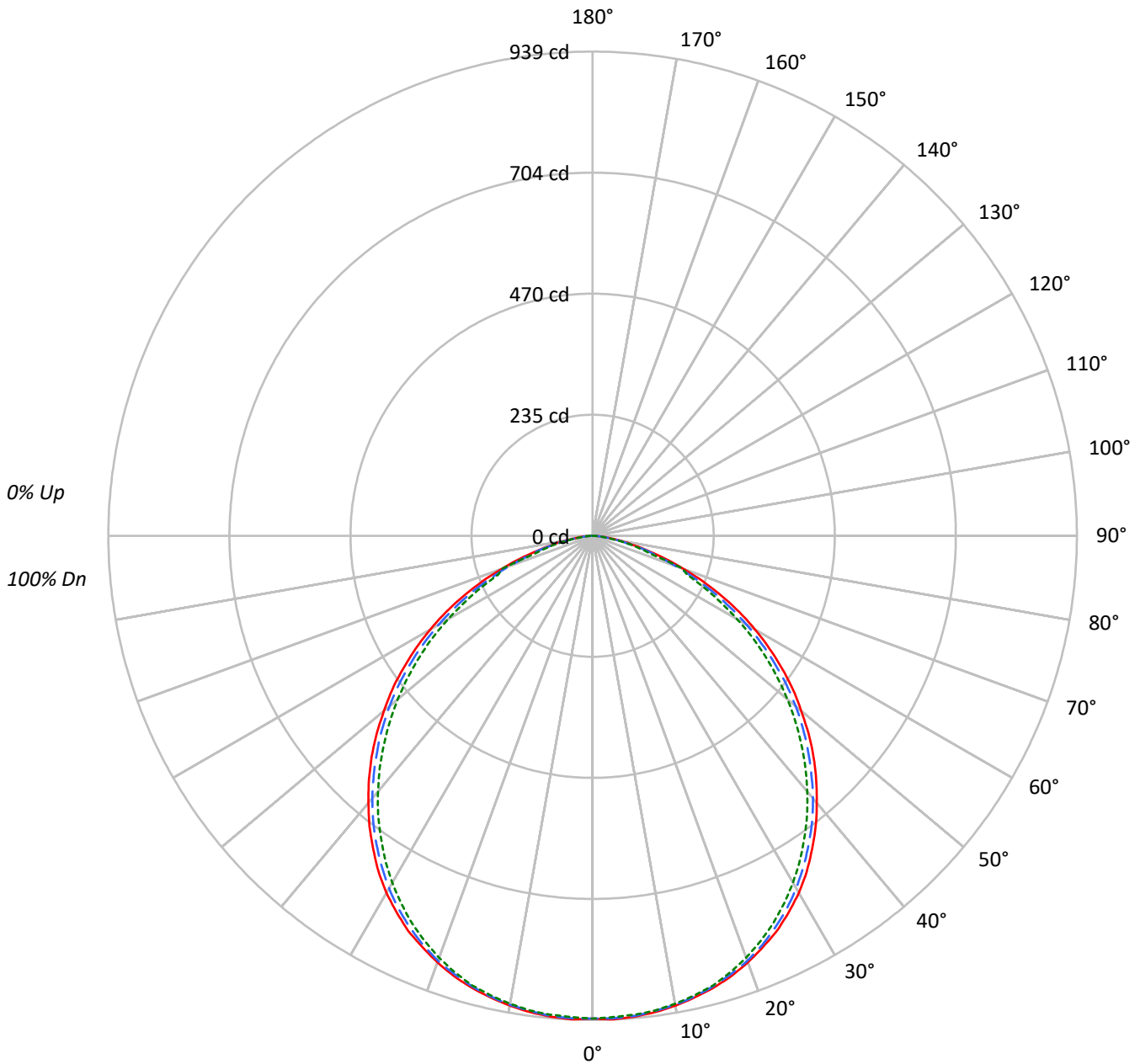
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2410.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 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°	2520	2520	2520
5°	2528	2525	2518
10°	2528	2523	2518
15°	2527	2520	2515
20°	2521	2512	2493
25°	2511	2488	2461
30°	2485	2453	2414
35°	2437	2400	2351
40°	2376	2335	2275
45°	2305	2249	2178
50°	2210	2151	2064
55°	2102	2019	1924
60°	1957	1855	1740
65°	1757	1633	1527
70°	1478	1347	1456
75°	1138	1095	984
80°	820	733	697
85°	500	429	386



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.8	3.7
10°-20°	255.0	10.6
20°-30°	385.2	16.0
30°-40°	455.7	18.9
40°-50°	454.4	18.9
50°-60°	383.9	15.9
60°-70°	255.8	10.6
70°-80°	111.1	4.6
80°-90°	20.1	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°	729.0	30.2
0°-40°	1184.7	49.2
0°-60°	2023.0	83.9
0°-90°	2410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	936	932	935	934	932	89
15°	907	903	904	903	903	256
25°	846	840	838	831	829	389
35°	742	737	730	721	716	464
45°	606	600	591	578	572	466
55°	448	445	430	416	410	400
65°	276	273	256	245	240	273
75°	110	107	105	102	95	120
85°	16	17	14	13	12	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	936.5	936.5	936.5	936.5	936.5
2.5°	938.8	934.6	936.5	936.5	934.1
5°	936.0	932.3	934.6	933.7	932.3
7.5°	931.8	928.1	929.5	929.0	928.6
10°	925.3	921.6	923.5	922.5	921.6
12.5°	917.0	913.3	915.1	913.7	912.8
15°	907.2	903.1	904.5	903.1	902.6
17.5°	895.2	891.0	891.5	889.6	887.8
20°	880.3	876.6	877.1	872.5	870.6
22.5°	863.2	859.5	859.0	853.0	850.7
25°	845.6	840.0	838.1	830.7	828.9
27.5°	823.3	818.2	815.4	807.5	803.8
30°	799.6	794.1	789.4	780.6	776.9
32.5°	772.7	767.2	761.1	751.9	747.7
35°	741.7	736.6	730.5	720.8	715.7
37.5°	710.6	705.0	699.0	687.4	683.2
40°	676.3	671.2	664.7	652.1	647.5
42.5°	641.9	635.9	628.0	616.0	610.9
45°	605.8	600.2	590.9	578.4	572.4
47.5°	567.7	563.1	553.3	539.9	533.4
50°	527.8	524.1	513.9	499.1	493.0
52.5°	489.8	484.7	473.1	458.3	451.8
55°	448.1	444.8	430.4	416.5	410.0
57.5°	406.3	402.1	387.8	373.8	367.8
60°	363.6	359.9	344.6	330.7	323.3
62.5°	320.5	316.3	300.1	287.6	280.6
65°	276.0	272.7	256.5	245.4	239.8
67.5°	231.4	229.1	212.0	202.7	198.5
70°	187.8	184.6	171.2	167.4	185.1
72.5°	147.5	143.3	131.7	125.7	121.1
75°	109.5	107.1	105.3	101.6	94.6
77.5°	77.0	76.5	70.0	64.9	70.0
80°	52.9	54.7	47.3	43.1	45.0
82.5°	32.5	36.2	28.3	25.0	24.1
85°	16.2	16.7	13.9	13.0	12.5
87.5°	6.0	7.0	6.0	5.1	5.1
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)