

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: P505879

Luminaire Tested: **14PD-30-PR1-L940**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505879  
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-L940  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

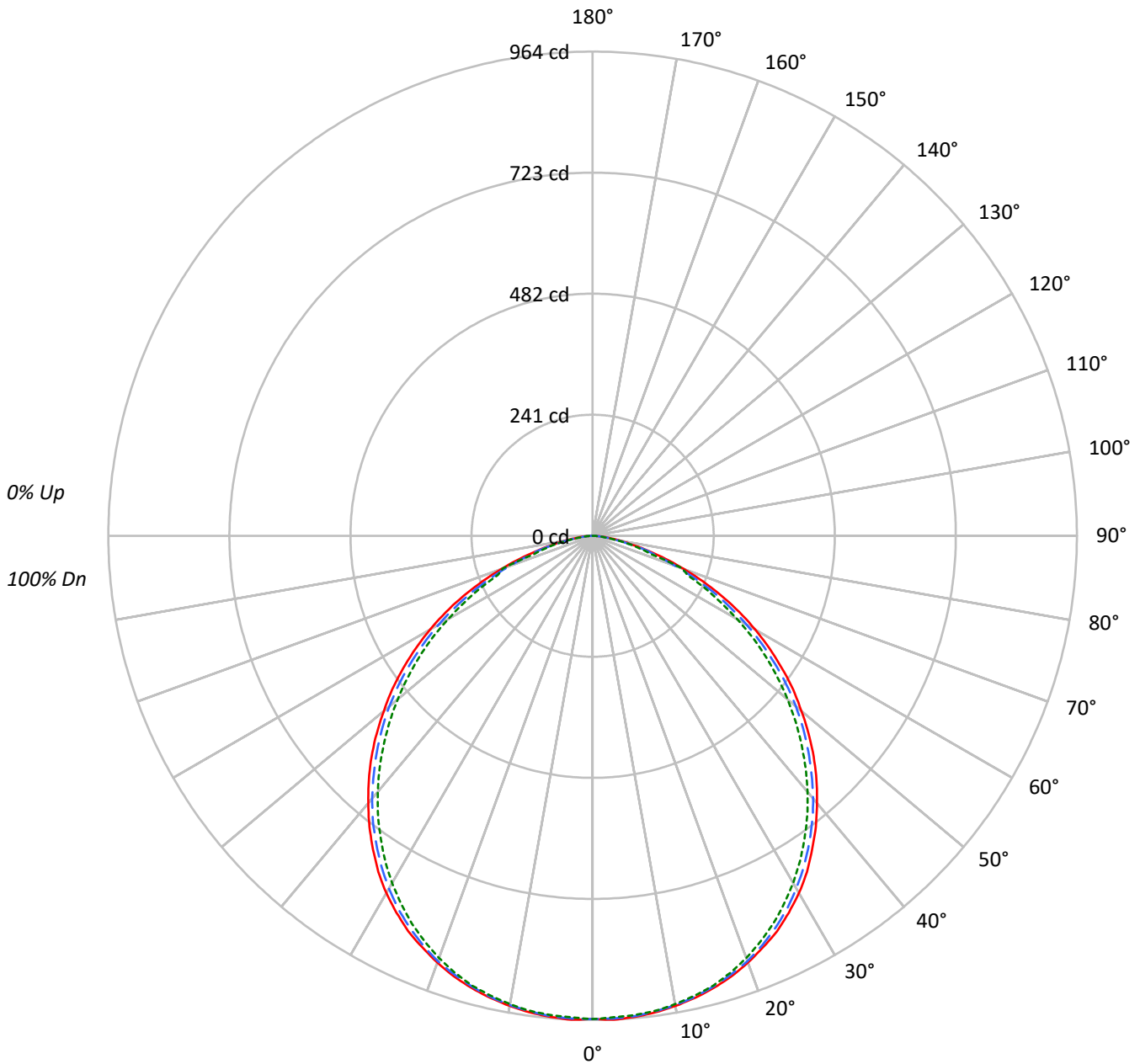
Lumens per Lamp: N/A  
Luminaire Lumens: 2476.0 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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°	2589	2589	2589
5°	2598	2594	2587
10°	2598	2593	2587
15°	2597	2589	2583
20°	2590	2580	2561
25°	2579	2557	2529
30°	2553	2520	2480
35°	2503	2465	2416
40°	2441	2399	2337
45°	2368	2310	2238
50°	2270	2210	2120
55°	2160	2075	1976
60°	2011	1906	1787
65°	1805	1678	1569
70°	1519	1383	1496
75°	1170	1125	1011
80°	841	753	716
85°	516	442	398



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	3.7
10°-20°	262.0	10.6
20°-30°	395.7	16.0
30°-40°	468.2	18.9
40°-50°	466.8	18.9
50°-60°	394.4	15.9
60°-70°	262.8	10.6
70°-80°	114.2	4.6
80°-90°	20.7	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°	748.9	30.2
0°-40°	1217.1	49.2
0°-60°	2078.4	83.9
0°-90°	2476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	962	958	960	959	958	91
15°	932	928	929	928	927	263
25°	869	863	861	854	852	400
35°	762	757	750	740	735	477
45°	622	617	607	594	588	479
55°	460	457	442	428	421	411
65°	284	280	264	252	246	280
75°	112	110	108	104	97	123
85°	17	17	14	13	13	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	962.1	962.1	962.1	962.1	962.1
2.5°	964.5	960.2	962.1	962.1	959.7
5°	961.6	957.8	960.2	959.2	957.8
7.5°	957.3	953.5	955.0	954.5	954.0
10°	950.7	946.9	948.8	947.8	946.9
12.5°	942.1	938.3	940.2	938.8	937.8
15°	932.1	927.8	929.2	927.8	927.3
17.5°	919.7	915.4	915.9	914.0	912.1
20°	904.4	900.6	901.1	896.3	894.4
22.5°	886.8	883.0	882.5	876.3	873.9
25°	868.7	863.0	861.1	853.5	851.6
27.5°	845.8	840.6	837.7	829.6	825.8
30°	821.5	815.8	811.0	802.0	798.2
32.5°	793.9	788.2	782.0	772.4	768.2
35°	762.0	756.7	750.5	740.5	735.3
37.5°	730.0	724.3	718.1	706.2	701.9
40°	694.8	689.5	682.9	670.0	665.2
42.5°	659.5	653.3	645.2	632.8	627.6
45°	622.3	616.6	607.1	594.2	588.0
47.5°	583.3	578.5	568.5	554.7	548.0
50°	542.3	538.5	528.0	512.7	506.5
52.5°	503.2	498.0	486.1	470.8	464.1
55°	460.3	457.0	442.2	427.9	421.2
57.5°	417.4	413.1	398.4	384.1	377.9
60°	373.6	369.8	354.1	339.8	332.1
62.5°	329.3	325.0	308.3	295.4	288.3
65°	283.5	280.2	263.5	252.1	246.4
67.5°	237.8	235.4	217.8	208.2	204.0
70°	193.0	189.7	175.8	172.0	190.1
72.5°	151.5	147.2	135.3	129.1	124.4
75°	112.5	110.1	108.2	104.4	97.2
77.5°	79.1	78.6	72.0	66.7	72.0
80°	54.3	56.2	48.6	44.3	46.2
82.5°	33.4	37.2	29.1	25.7	24.8
85°	16.7	17.2	14.3	13.3	12.9
87.5°	6.2	7.1	6.2	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)