

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: P505845

Luminaire Tested: **14PD-25-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505845  
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-25-PR1-L830  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

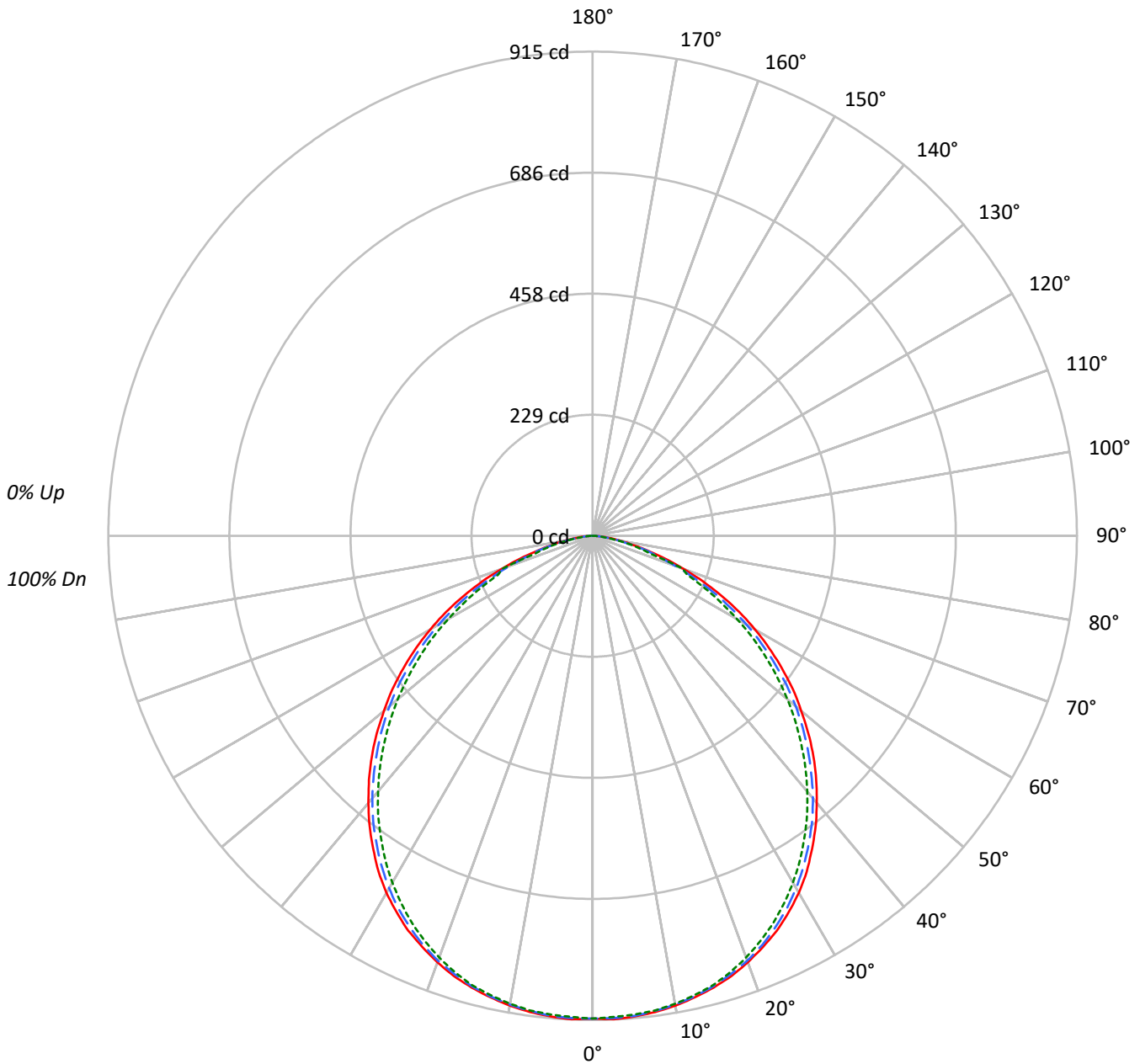
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2348.0 lumens  
Efficiency: N/A  
Efficacy: 103.4 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): 22.7  
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	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°	2455	2455	2455
5°	2463	2460	2454
10°	2463	2458	2454
15°	2462	2455	2450
20°	2456	2447	2429
25°	2446	2425	2398
30°	2421	2390	2352
35°	2374	2338	2291
40°	2315	2275	2216
45°	2246	2191	2122
50°	2153	2096	2011
55°	2048	1968	1874
60°	1907	1807	1695
65°	1712	1591	1487
70°	1440	1312	1419
75°	1108	1067	959
80°	798	714	679
85°	488	420	377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	3.7
10°-20°	248.5	10.6
20°-30°	375.3	16.0
30°-40°	444.0	18.9
40°-50°	442.7	18.9
50°-60°	374.0	15.9
60°-70°	249.2	10.6
70°-80°	108.3	4.6
80°-90°	19.6	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°	710.2	30.2
0°-40°	1154.2	49.2
0°-60°	1970.9	83.9
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	912	912	912	912	912	
5°	912	908	911	910	908	87
15°	884	880	881	880	879	249
25°	824	818	817	809	808	379
35°	723	718	712	702	697	452
45°	590	585	576	564	558	454
55°	436	433	419	406	400	390
65°	269	266	250	239	234	266
75°	107	104	103	99	92	117
85°	16	16	14	13	12	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	912.4	912.4	912.4	912.4	912.4
2.5°	914.6	910.6	912.4	912.4	910.1
5°	911.9	908.3	910.6	909.7	908.3
7.5°	907.9	904.2	905.6	905.1	904.7
10°	901.5	897.9	899.7	898.8	897.9
12.5°	893.4	889.8	891.6	890.2	889.3
15°	883.9	879.8	881.2	879.8	879.4
17.5°	872.2	868.1	868.5	866.7	864.9
20°	857.7	854.1	854.5	850.0	848.2
22.5°	841.0	837.4	836.9	831.0	828.8
25°	823.8	818.4	816.6	809.3	807.5
27.5°	802.1	797.1	794.4	786.7	783.1
30°	779.1	773.6	769.1	760.5	756.9
32.5°	752.9	747.4	741.6	732.5	728.4
35°	722.6	717.6	711.7	702.2	697.3
37.5°	692.3	686.9	681.0	669.7	665.6
40°	658.9	653.9	647.6	635.4	630.8
42.5°	625.4	619.5	611.9	600.1	595.1
45°	590.2	584.7	575.7	563.5	557.6
47.5°	553.1	548.6	539.1	526.0	519.7
50°	514.3	510.6	500.7	486.2	480.4
52.5°	477.2	472.2	460.9	446.5	440.1
55°	436.5	433.4	419.4	405.8	399.5
57.5°	395.9	391.8	377.8	364.2	358.4
60°	354.3	350.7	335.8	322.2	315.0
62.5°	312.3	308.2	292.4	280.2	273.4
65°	268.9	265.7	249.9	239.1	233.6
67.5°	225.5	223.2	206.5	197.5	193.4
70°	183.0	179.9	166.7	163.1	180.3
72.5°	143.7	139.6	128.3	122.5	117.9
75°	106.6	104.4	102.6	99.0	92.2
77.5°	75.0	74.6	68.2	63.3	68.2
80°	51.5	53.3	46.1	42.0	43.8
82.5°	31.6	35.2	27.6	24.4	23.5
85°	15.8	16.3	13.6	12.7	12.2
87.5°	5.9	6.8	5.9	5.0	5.0
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)