

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: P505819

Luminaire Tested: **14PD-20-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

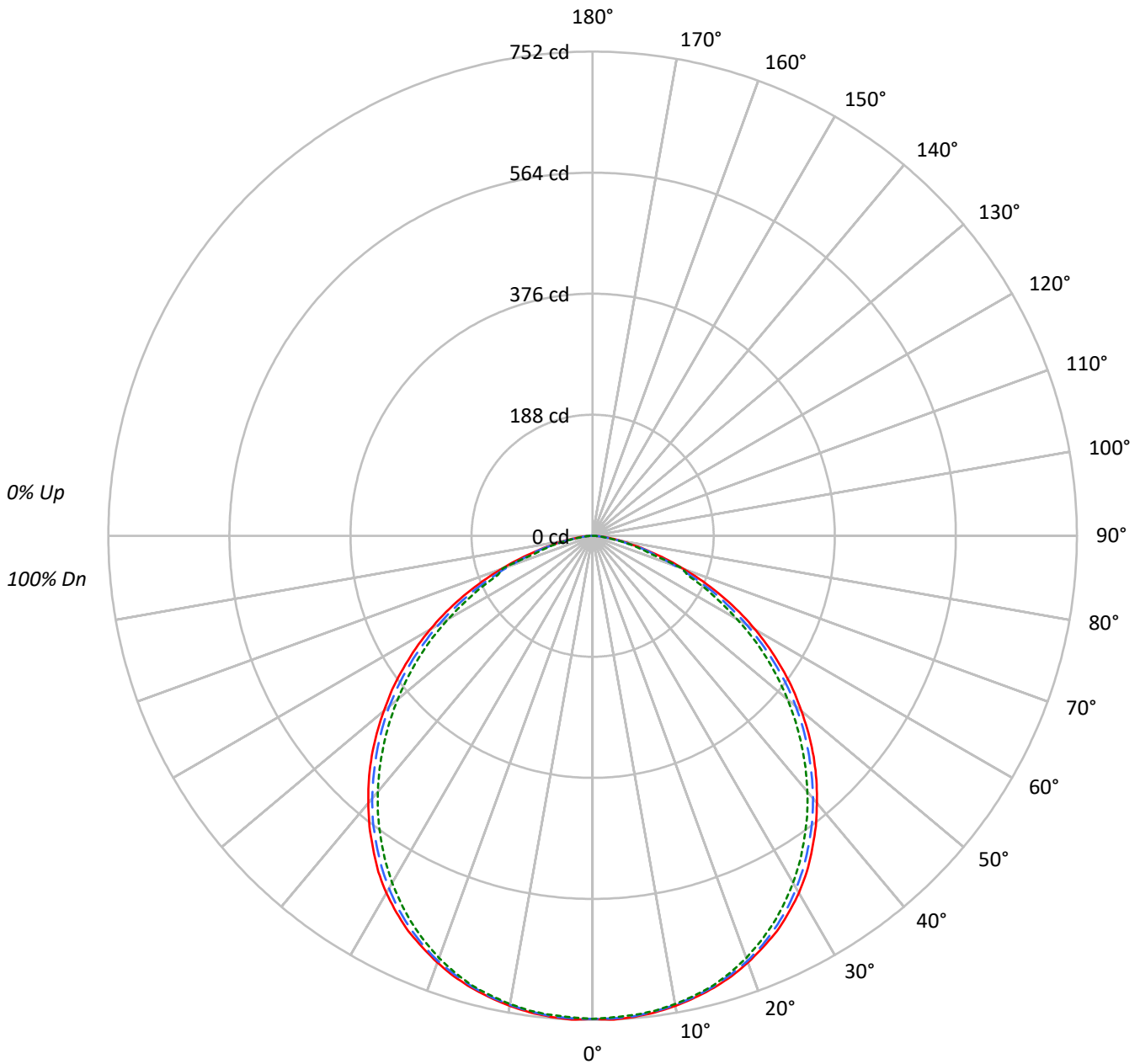
Test Method: LM-79-08  
Report Number: P505819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PR1-L835  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1931.0 lumens  
Efficiency: N/A  
Efficacy: 111.0 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): 17.4  
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°	2019	2019	2019
5°	2026	2023	2018
10°	2026	2022	2018
15°	2025	2019	2015
20°	2020	2013	1998
25°	2012	1994	1972
30°	1991	1965	1934
35°	1952	1923	1884
40°	1903	1871	1822
45°	1847	1802	1745
50°	1770	1724	1654
55°	1684	1618	1541
60°	1568	1486	1394
65°	1408	1309	1223
70°	1184	1079	1167
75°	912	878	788
80°	657	587	558
85°	401	343	309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.1	3.7
10°-20°	204.3	10.6
20°-30°	308.6	16.0
30°-40°	365.1	18.9
40°-50°	364.1	18.9
50°-60°	307.6	15.9
60°-70°	204.9	10.6
70°-80°	89.0	4.6
80°-90°	16.2	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°	584.1	30.2
0°-40°	949.2	49.2
0°-60°	1620.9	83.9
0°-90°	1931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	750	750	750	750	750	
5°	750	747	749	748	747	71
15°	727	724	725	724	723	205
25°	678	673	672	666	664	312
35°	594	590	585	578	573	372
45°	485	481	474	463	459	374
55°	359	356	345	334	328	321
65°	221	218	206	197	192	219
75°	88	86	84	81	76	96
85°	13	13	11	10	10	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	750.3	750.3	750.3	750.3	750.3
2.5°	752.2	748.8	750.3	750.3	748.5
5°	750.0	747.0	748.8	748.1	747.0
7.5°	746.6	743.6	744.8	744.4	744.0
10°	741.4	738.4	739.9	739.2	738.4
12.5°	734.7	731.8	733.2	732.1	731.4
15°	726.9	723.6	724.7	723.6	723.2
17.5°	717.3	713.9	714.3	712.8	711.3
20°	705.4	702.4	702.8	699.0	697.6
22.5°	691.6	688.6	688.3	683.4	681.6
25°	677.5	673.0	671.5	665.6	664.1
27.5°	659.7	655.6	653.3	647.0	644.0
30°	640.7	636.2	632.5	625.5	622.5
32.5°	619.1	614.7	609.9	602.4	599.1
35°	594.2	590.2	585.3	577.5	573.4
37.5°	569.3	564.9	560.1	550.8	547.4
40°	541.8	537.8	532.6	522.5	518.8
42.5°	514.3	509.5	503.2	493.5	489.4
45°	485.4	480.9	473.5	463.4	458.6
47.5°	454.9	451.2	443.4	432.6	427.4
50°	422.9	419.9	411.8	399.9	395.0
52.5°	392.4	388.4	379.1	367.2	362.0
55°	359.0	356.4	344.9	333.7	328.5
57.5°	325.6	322.2	310.7	299.5	294.7
60°	291.4	288.4	276.1	265.0	259.0
62.5°	256.8	253.5	240.4	230.4	224.8
65°	221.1	218.5	205.5	196.6	192.1
67.5°	185.4	183.6	169.8	162.4	159.1
70°	150.5	147.9	137.1	134.2	148.3
72.5°	118.2	114.8	105.5	100.7	97.0
75°	87.7	85.8	84.4	81.4	75.8
77.5°	61.7	61.3	56.1	52.0	56.1
80°	42.4	43.9	37.9	34.6	36.0
82.5°	26.0	29.0	22.7	20.1	19.3
85°	13.0	13.4	11.1	10.4	10.0
87.5°	4.8	5.6	4.8	4.1	4.1
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)