

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: P505826

Luminaire Tested: **14PD-20-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

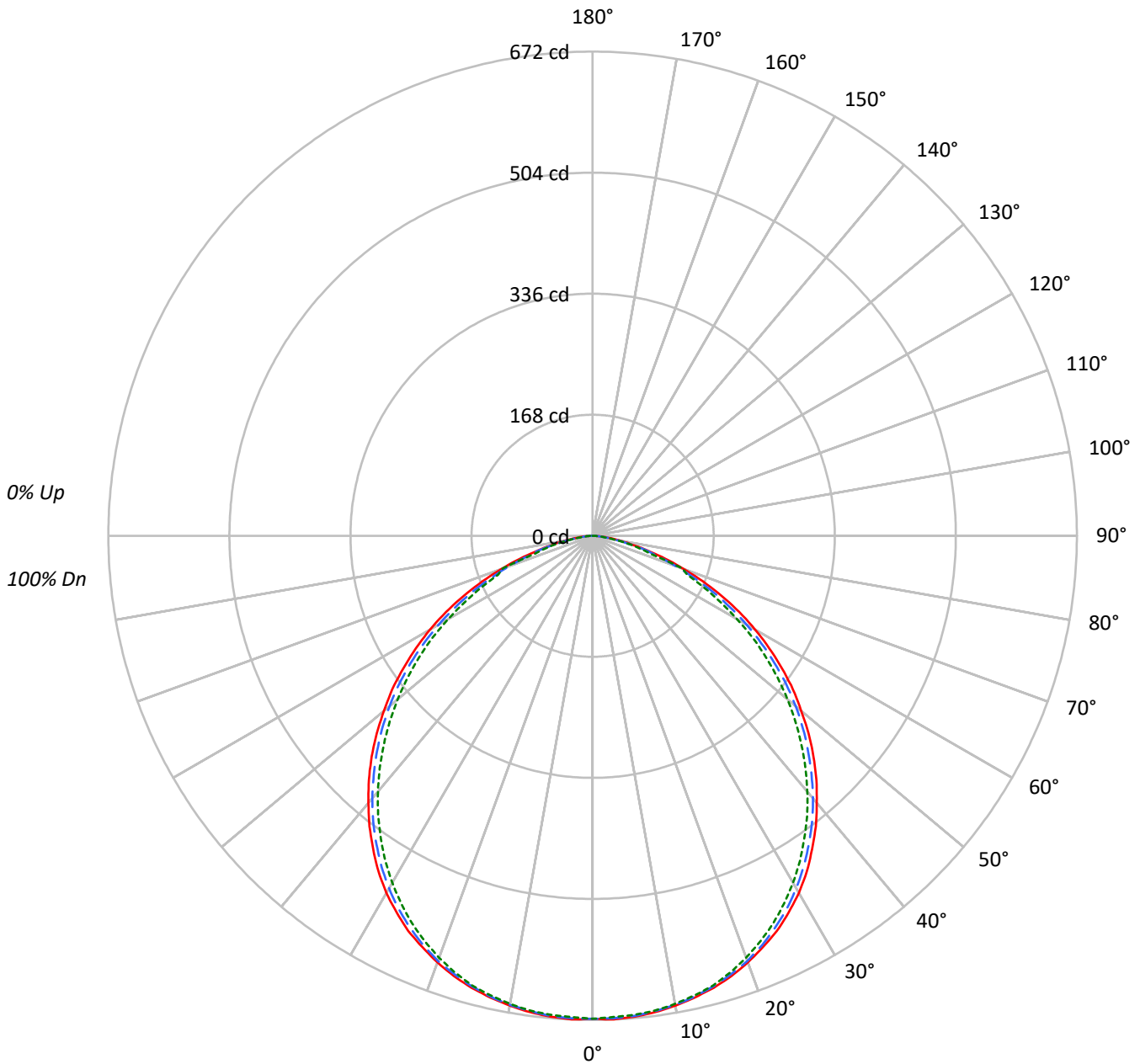
Test Method: LM-79-08  
Report Number: P505826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PR1-L950  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1725.0 lumens  
Efficiency: N/A  
Efficacy: 99.1 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				20				
RC	80				70				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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

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

	0°	45°	90°
0°	1804	1804	1804
5°	1810	1807	1803
10°	1810	1806	1803
15°	1809	1804	1800
20°	1804	1798	1784
25°	1797	1781	1762
30°	1779	1756	1728
35°	1744	1718	1683
40°	1700	1671	1628
45°	1650	1610	1559
50°	1582	1540	1477
55°	1505	1445	1377
60°	1401	1328	1245
65°	1258	1169	1093
70°	1058	964	1042
75°	814	784	704
80°	586	525	499
85°	358	309	278



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	3.7
10°-20°	182.5	10.6
20°-30°	275.7	16.0
30°-40°	326.2	18.9
40°-50°	325.2	18.9
50°-60°	274.8	15.9
60°-70°	183.1	10.6
70°-80°	79.5	4.6
80°-90°	14.4	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°	521.8	30.2
0°-40°	848.0	49.2
0°-60°	1448.0	83.9
0°-90°	1725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1725.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	670	667	669	668	667	64
15°	649	646	647	646	646	183
25°	605	601	600	595	593	279
35°	531	527	523	516	512	332
45°	434	430	423	414	410	334
55°	321	318	308	298	294	286
65°	198	195	184	176	172	195
75°	78	77	75	73	68	86
85°	12	12	10	9	9	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	670.3	670.3	670.3	670.3	670.3
2.5°	671.9	669.0	670.3	670.3	668.6
5°	670.0	667.3	669.0	668.3	667.3
7.5°	667.0	664.3	665.3	665.0	664.6
10°	662.3	659.7	661.0	660.3	659.7
12.5°	656.3	653.7	655.0	654.0	653.4
15°	649.4	646.4	647.4	646.4	646.1
17.5°	640.7	637.8	638.1	636.8	635.4
20°	630.1	627.5	627.8	624.5	623.1
22.5°	617.8	615.2	614.8	610.5	608.9
25°	605.2	601.2	599.9	594.6	593.3
27.5°	589.3	585.6	583.6	578.0	575.3
30°	572.4	568.4	565.0	558.7	556.1
32.5°	553.1	549.1	544.8	538.2	535.2
35°	530.9	527.2	522.9	515.9	512.3
37.5°	508.6	504.6	500.3	492.0	489.0
40°	484.0	480.4	475.7	466.8	463.5
42.5°	459.5	455.2	449.5	440.9	437.2
45°	433.6	429.6	423.0	414.0	409.7
47.5°	406.4	403.0	396.1	386.4	381.8
50°	377.8	375.1	367.8	357.2	352.9
52.5°	350.6	346.9	338.6	328.0	323.4
55°	320.7	318.4	308.1	298.1	293.5
57.5°	290.8	287.8	277.5	267.6	263.3
60°	260.3	257.6	246.7	236.7	231.4
62.5°	229.4	226.4	214.8	205.8	200.9
65°	197.5	195.2	183.6	175.6	171.6
67.5°	165.7	164.0	151.7	145.1	142.1
70°	134.5	132.1	122.5	119.8	132.5
72.5°	105.6	102.6	94.3	90.0	86.6
75°	78.3	76.7	75.4	72.7	67.7
77.5°	55.1	54.8	50.1	46.5	50.1
80°	37.8	39.2	33.9	30.9	32.2
82.5°	23.2	25.9	20.3	17.9	17.3
85°	11.6	12.0	10.0	9.3	9.0
87.5°	4.3	5.0	4.3	3.7	3.7
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)