

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: P505823

Luminaire Tested: **14PD-20-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505823  
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-L930  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

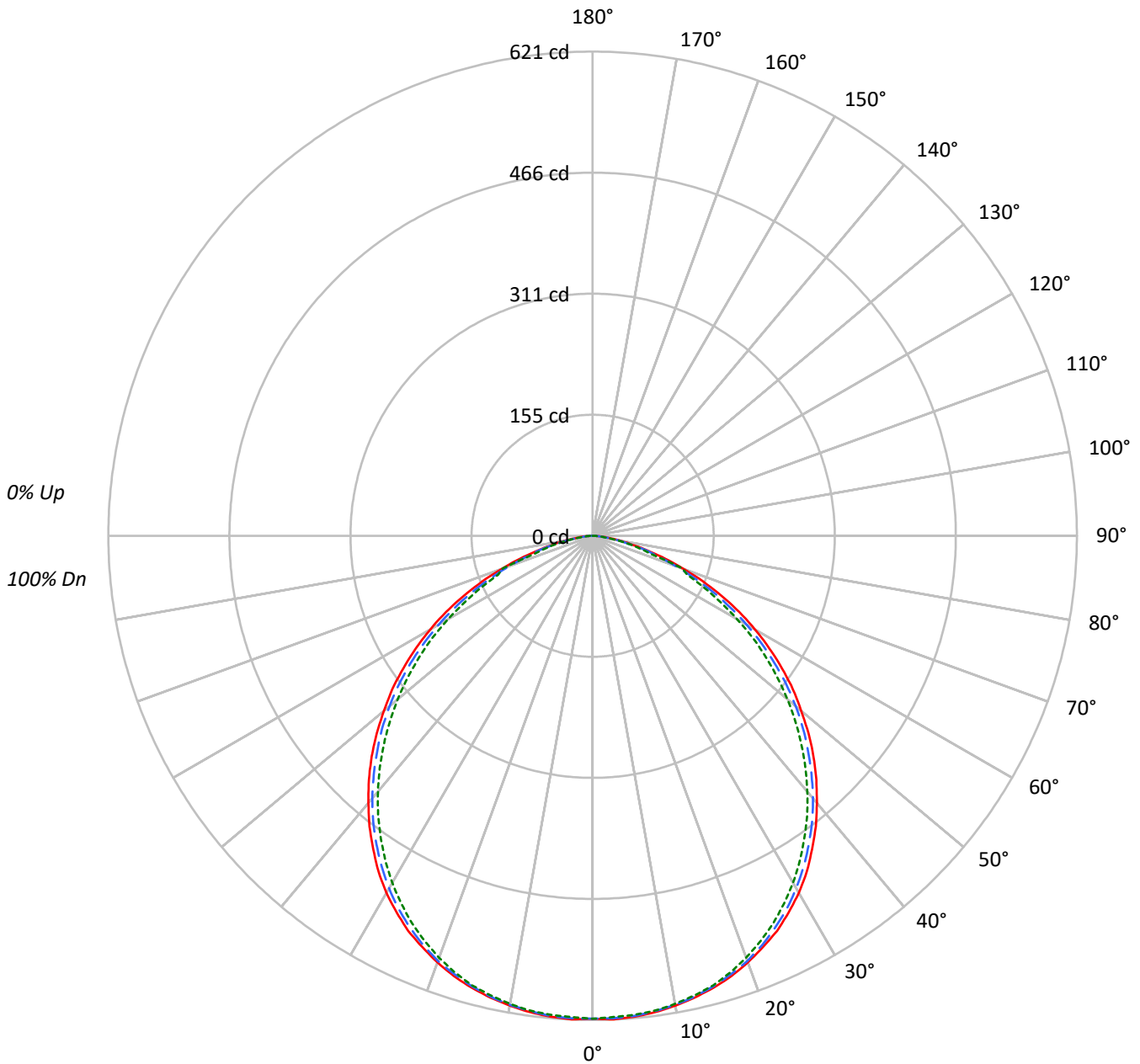
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1594.0 lumens  
Efficiency: N/A  
Efficacy: 91.6 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°	1667	1667	1667
5°	1672	1670	1666
10°	1672	1669	1666
15°	1672	1667	1663
20°	1668	1661	1649
25°	1661	1646	1628
30°	1643	1622	1597
35°	1611	1587	1555
40°	1571	1544	1505
45°	1525	1487	1441
50°	1461	1423	1365
55°	1390	1336	1272
60°	1294	1227	1151
65°	1162	1080	1010
70°	977	891	963
75°	753	724	651
80°	542	485	462
85°	330	284	256



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.7	3.7
10°-20°	168.7	10.6
20°-30°	254.8	16.0
30°-40°	301.4	18.9
40°-50°	300.5	18.9
50°-60°	253.9	15.9
60°-70°	169.2	10.6
70°-80°	73.5	4.6
80°-90°	13.3	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°	482.2	30.2
0°-40°	783.6	49.2
0°-60°	1338.0	83.9
0°-90°	1594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	619	619	619	619	619	
5°	619	617	618	618	617	59
15°	600	597	598	597	597	169
25°	559	556	554	549	548	257
35°	490	487	483	477	473	307
45°	401	397	391	383	379	309
55°	296	294	285	276	271	265
65°	182	180	170	162	159	180
75°	72	71	70	67	63	79
85°	11	11	9	9	8	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	619.4	619.4	619.4	619.4	619.4
2.5°	620.9	618.2	619.4	619.4	617.9
5°	619.1	616.6	618.2	617.5	616.6
7.5°	616.3	613.9	614.8	614.5	614.2
10°	612.0	609.6	610.8	610.2	609.6
12.5°	606.5	604.0	605.3	604.4	603.7
15°	600.1	597.3	598.2	597.3	597.0
17.5°	592.1	589.3	589.6	588.4	587.2
20°	582.3	579.8	580.1	577.0	575.8
22.5°	570.9	568.5	568.2	564.2	562.6
25°	559.3	555.6	554.3	549.4	548.2
27.5°	544.5	541.2	539.3	534.1	531.6
30°	528.9	525.2	522.1	516.3	513.9
32.5°	511.1	507.4	503.4	497.3	494.5
35°	490.5	487.2	483.2	476.7	473.4
37.5°	470.0	466.3	462.3	454.6	451.9
40°	447.3	443.9	439.6	431.3	428.3
42.5°	424.6	420.6	415.4	407.4	404.0
45°	400.7	397.0	390.8	382.6	378.6
47.5°	375.5	372.4	366.0	357.1	352.8
50°	349.1	346.7	339.9	330.1	326.1
52.5°	324.0	320.6	312.9	303.1	298.8
55°	296.3	294.2	284.7	275.5	271.2
57.5°	268.7	266.0	256.5	247.3	243.3
60°	240.5	238.1	227.9	218.7	213.8
62.5°	212.0	209.2	198.5	190.2	185.6
65°	182.5	180.4	169.6	162.3	158.6
67.5°	153.1	151.5	140.2	134.1	131.3
70°	124.2	122.1	113.2	110.7	122.4
72.5°	97.6	94.8	87.1	83.1	80.1
75°	72.4	70.9	69.6	67.2	62.6
77.5°	50.9	50.6	46.3	42.9	46.3
80°	35.0	36.2	31.3	28.5	29.8
82.5°	21.5	23.9	18.7	16.6	16.0
85°	10.7	11.0	9.2	8.6	8.3
87.5°	4.0	4.6	4.0	3.4	3.4
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)