

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: P506014

Luminaire Tested: **14PD-55-PR1-L940**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506014  
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-55-PR1-L940  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

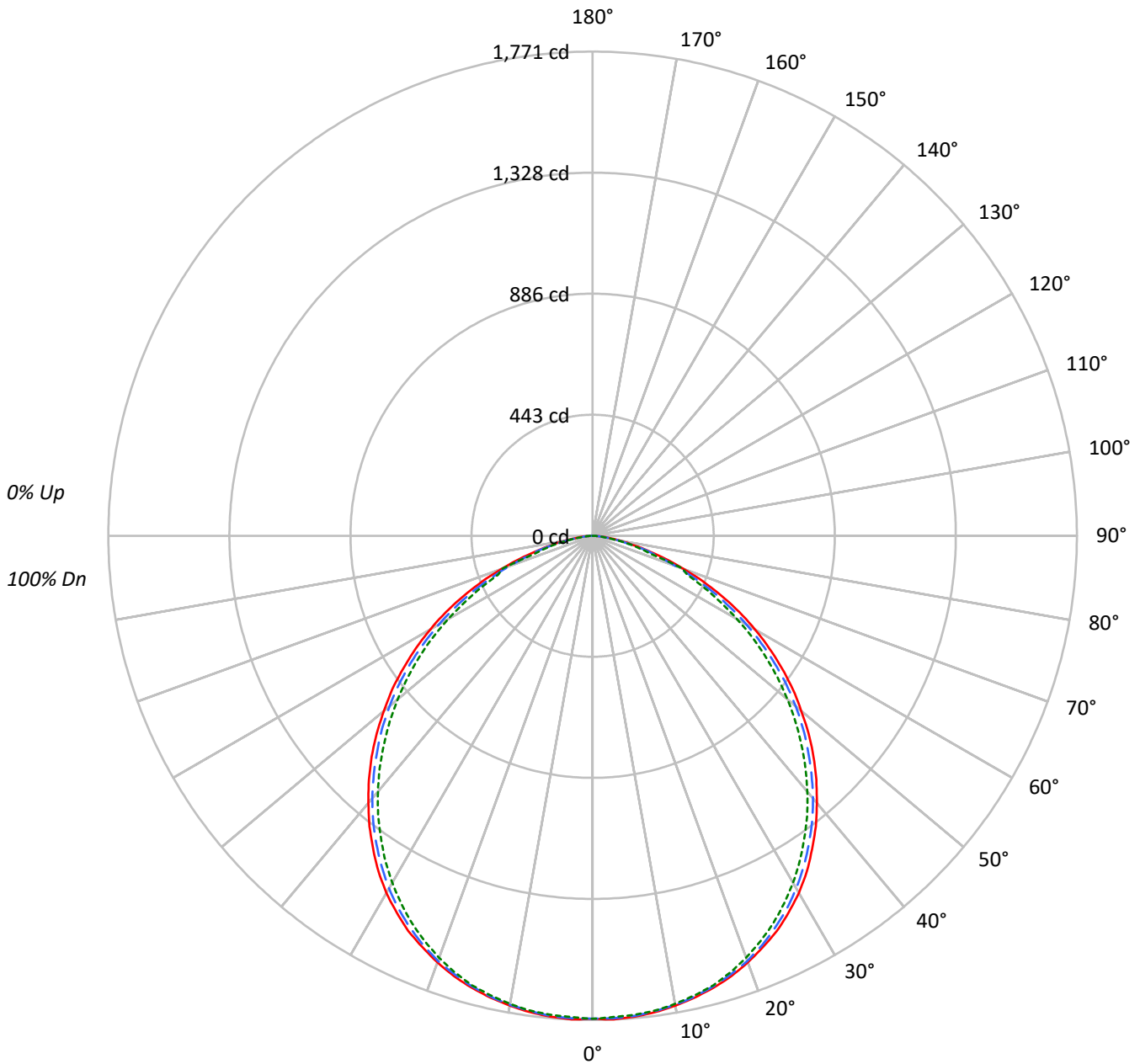
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4546.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 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): 54.1  
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°	4754	4754	4754
5°	4769	4762	4750
10°	4770	4760	4750
15°	4768	4753	4743
20°	4755	4738	4703
25°	4736	4694	4642
30°	4687	4627	4554
35°	4596	4527	4435
40°	4481	4404	4291
45°	4348	4242	4109
50°	4168	4058	3893
55°	3965	3809	3628
60°	3691	3499	3282
65°	3315	3081	2880
70°	2788	2540	2747
75°	2147	2065	1856
80°	1545	1382	1316
85°	945	809	729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.5	3.7
10°-20°	481.0	10.6
20°-30°	726.6	16.0
30°-40°	859.6	18.9
40°-50°	857.1	18.9
50°-60°	724.1	15.9
60°-70°	482.4	10.6
70°-80°	209.6	4.6
80°-90°	38.0	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°	1375.1	30.2
0°-40°	2234.7	49.2
0°-60°	3815.9	83.9
0°-90°	4546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4546.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1766	1766	1766	1766	1766	
5°	1766	1759	1763	1761	1759	168
15°	1711	1704	1706	1704	1703	483
25°	1595	1584	1581	1567	1564	734
35°	1399	1389	1378	1360	1350	875
45°	1143	1132	1115	1091	1080	880
55°	845	839	812	786	773	755
65°	521	514	484	463	452	515
75°	206	202	199	192	178	226
85°	31	32	26	24	24	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1766.5	1766.5	1766.5	1766.5	1766.5
2.5°	1770.8	1763.0	1766.5	1766.5	1762.1
5°	1765.6	1758.6	1763.0	1761.2	1758.6
7.5°	1757.7	1750.7	1753.3	1752.5	1751.6
10°	1745.5	1738.5	1742.0	1740.2	1738.5
12.5°	1729.7	1722.7	1726.2	1723.6	1721.8
15°	1711.3	1703.5	1706.1	1703.5	1702.6
17.5°	1688.6	1680.7	1681.6	1678.1	1674.6
20°	1660.6	1653.6	1654.5	1645.7	1642.2
22.5°	1628.2	1621.2	1620.3	1609.0	1604.6
25°	1595.0	1584.5	1581.0	1567.0	1563.5
27.5°	1553.0	1543.3	1538.1	1523.2	1516.2
30°	1508.4	1497.9	1489.1	1472.5	1465.5
32.5°	1457.6	1447.1	1435.7	1418.2	1410.4
35°	1399.0	1389.4	1378.0	1359.6	1350.0
37.5°	1340.4	1329.9	1318.5	1296.6	1288.7
40°	1275.6	1266.0	1253.8	1230.1	1221.4
42.5°	1210.9	1199.5	1184.6	1161.9	1152.3
45°	1142.6	1132.1	1114.6	1091.0	1079.6
47.5°	1070.9	1062.1	1043.8	1018.4	1006.2
50°	995.7	988.7	969.4	941.4	930.0
52.5°	923.9	914.3	892.4	864.4	852.2
55°	845.2	839.0	811.9	785.7	773.4
57.5°	766.4	758.6	731.4	705.2	693.8
60°	685.9	678.9	650.1	623.8	609.8
62.5°	604.6	596.7	566.1	542.4	529.3
65°	520.6	514.4	483.8	462.8	452.3
67.5°	436.6	432.2	399.8	382.3	374.5
70°	354.3	348.2	322.8	315.8	349.1
72.5°	278.2	270.3	248.5	237.1	228.4
75°	206.5	202.1	198.6	191.6	178.5
77.5°	145.2	144.4	132.1	122.5	132.1
80°	99.7	103.2	89.2	81.4	84.9
82.5°	61.2	68.2	53.4	47.2	45.5
85°	30.6	31.5	26.2	24.5	23.6
87.5°	11.4	13.1	11.4	9.6	9.6
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)