

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: P505985

Luminaire Tested: **14PD-50-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505985  
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-50-PR1-L930  
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

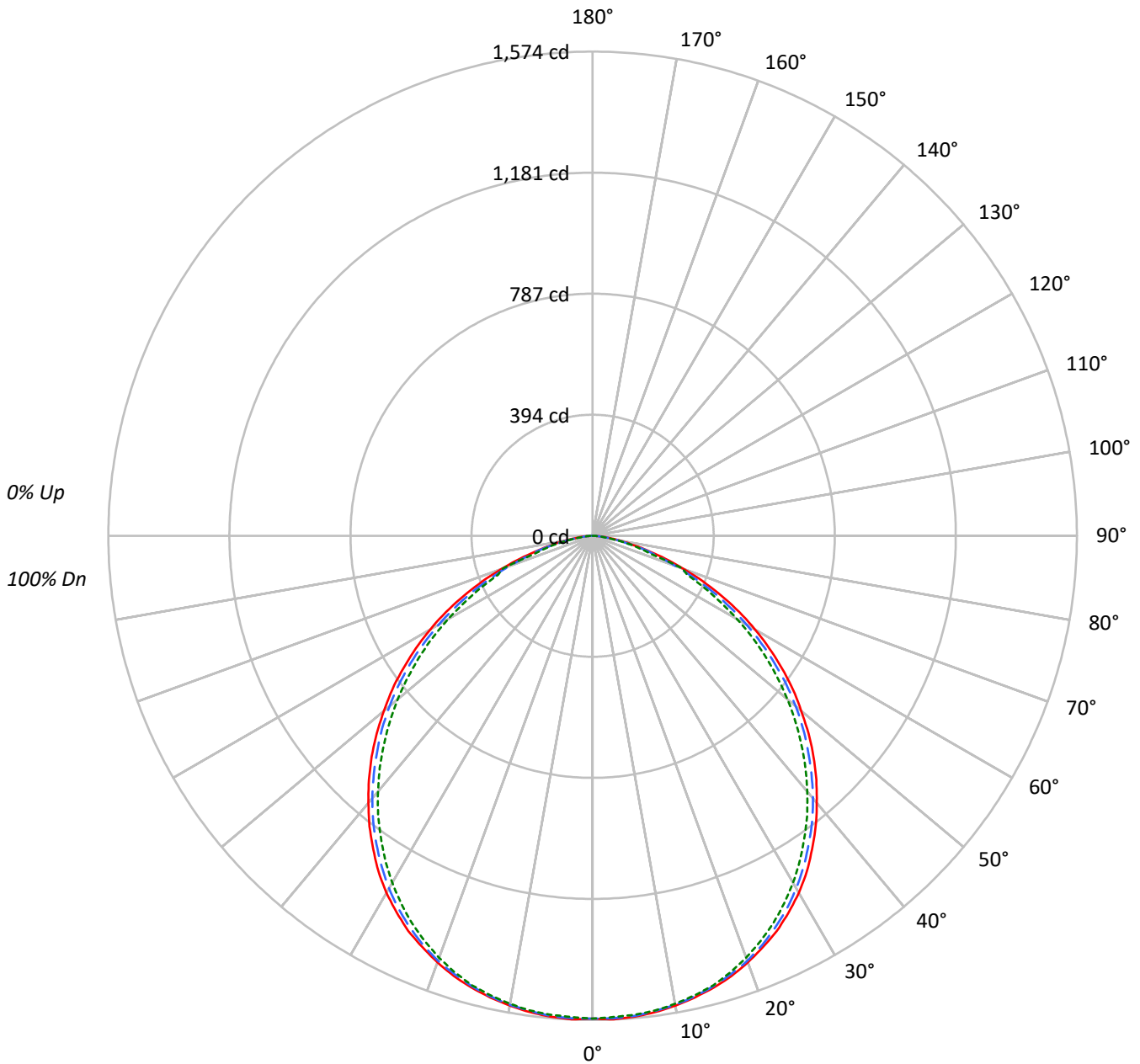
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4040.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 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): 48.6  
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°	4224	4224	4224
5°	4239	4232	4222
10°	4239	4230	4222
15°	4237	4224	4215
20°	4226	4210	4179
25°	4208	4172	4125
30°	4165	4112	4047
35°	4084	4023	3941
40°	3982	3914	3813
45°	3865	3770	3651
50°	3704	3607	3460
55°	3524	3385	3225
60°	3281	3109	2916
65°	2946	2738	2560
70°	2478	2257	2441
75°	1908	1835	1649
80°	1373	1229	1168
85°	840	719	648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.8	3.7
10°-20°	427.5	10.6
20°-30°	645.7	16.0
30°-40°	763.9	18.9
40°-50°	761.7	18.9
50°-60°	643.5	15.9
60°-70°	428.8	10.6
70°-80°	186.3	4.6
80°-90°	33.8	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°	1222.0	30.2
0°-40°	1986.0	49.2
0°-60°	3391.2	83.9
0°-90°	4040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1569	1563	1567	1565	1563	149
15°	1521	1514	1516	1514	1513	429
25°	1417	1408	1405	1393	1389	652
35°	1243	1235	1225	1208	1200	778
45°	1016	1006	991	970	960	782
55°	751	746	722	698	687	671
65°	463	457	430	411	402	457
75°	184	180	176	170	159	201
85°	27	28	23	22	21	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1569.8	1569.8	1569.8	1569.8	1569.8
2.5°	1573.7	1566.7	1569.8	1569.8	1565.9
5°	1569.1	1562.8	1566.7	1565.2	1562.8
7.5°	1562.1	1555.8	1558.2	1557.4	1556.6
10°	1551.2	1545.0	1548.1	1546.5	1545.0
12.5°	1537.2	1531.0	1534.1	1531.7	1530.2
15°	1520.8	1513.9	1516.2	1513.9	1513.1
17.5°	1500.6	1493.6	1494.4	1491.3	1488.2
20°	1475.8	1469.5	1470.3	1462.5	1459.4
22.5°	1447.0	1440.8	1440.0	1429.9	1426.0
25°	1417.4	1408.1	1405.0	1392.6	1389.4
27.5°	1380.1	1371.6	1366.9	1353.7	1347.5
30°	1340.5	1331.1	1323.4	1308.6	1302.4
32.5°	1295.4	1286.0	1275.9	1260.4	1253.4
35°	1243.3	1234.7	1224.6	1208.3	1199.7
37.5°	1191.2	1181.8	1171.7	1152.3	1145.3
40°	1133.6	1125.1	1114.2	1093.2	1085.4
42.5°	1076.1	1066.0	1052.8	1032.6	1024.0
45°	1015.5	1006.1	990.6	969.6	959.5
47.5°	951.7	943.9	927.6	905.0	894.2
50°	884.8	878.6	861.5	836.6	826.5
52.5°	821.1	812.5	793.1	768.2	757.3
55°	751.1	745.7	721.5	698.2	687.3
57.5°	681.1	674.1	650.0	626.7	616.6
60°	609.6	603.4	577.7	554.4	541.9
62.5°	537.3	530.3	503.1	482.1	470.4
65°	462.6	457.2	430.0	411.3	402.0
67.5°	388.0	384.1	355.3	339.8	332.8
70°	314.9	309.5	286.9	280.7	310.2
72.5°	247.3	240.3	220.8	210.7	202.9
75°	183.5	179.6	176.5	170.3	158.6
77.5°	129.1	128.3	117.4	108.9	117.4
80°	88.6	91.7	79.3	72.3	75.4
82.5°	54.4	60.6	47.4	42.0	40.4
85°	27.2	28.0	23.3	21.8	21.0
87.5°	10.1	11.7	10.1	8.6	8.6
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)