

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: P506339

Luminaire Tested: **22PD-50-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PR1-L950  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS  
Light Source: -  
Ballast/Driver: -

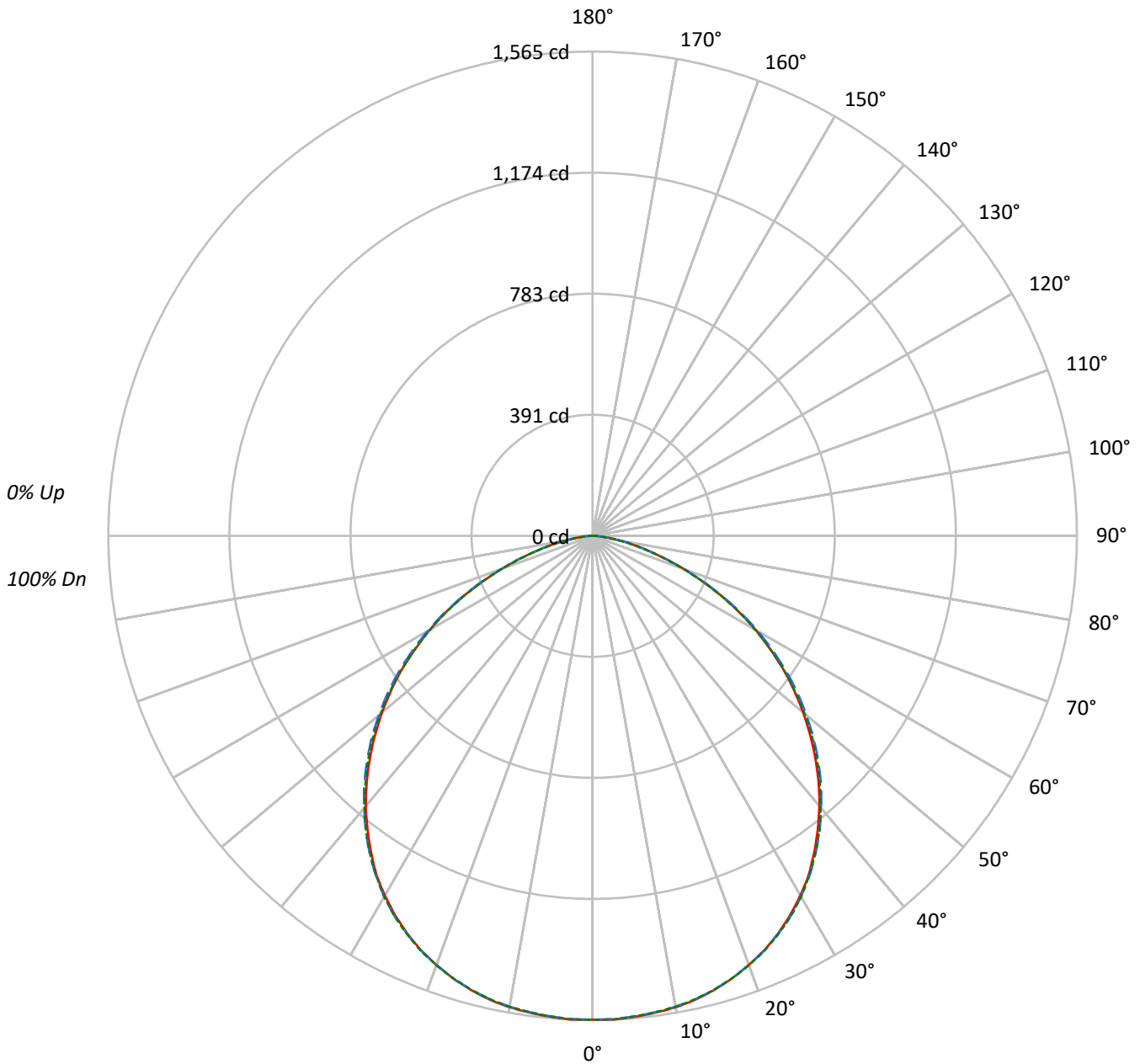
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4180.0 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.9  
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	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

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

	0°	45°	90°
0°	4209	4209	4209
5°	4216	4213	4213
10°	4229	4223	4223
15°	4234	4230	4231
20°	4228	4227	4230
25°	4210	4215	4218
30°	4172	4185	4187
35°	4102	4124	4122
40°	4006	4034	4028
45°	3875	3924	3905
50°	3718	3774	3744
55°	3529	3585	3533
60°	3271	3316	3260
65°	2919	2949	2915
70°	2455	2455	2438
75°	1923	1923	1902
80°	1409	1393	1385
85°	920	920	936



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.4	3.6
10°-20°	428.7	10.3
20°-30°	653.9	15.6
30°-40°	783.7	18.7
40°-50°	791.5	18.9
50°-60°	677.2	16.2
60°-70°	456.6	10.9
70°-80°	201.4	4.8
80°-90°	38.7	0.9
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°	1231.0	29.4
0°-40°	2014.6	48.2
0°-60°	3483.3	83.3
0°-90°	4180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4180.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1561	1558	1560	1558	1560	149
15°	1520	1519	1518	1518	1519	429
25°	1418	1420	1420	1420	1421	653
35°	1249	1256	1255	1254	1255	780
45°	1018	1026	1031	1030	1026	785
55°	752	759	764	763	753	670
65°	458	462	463	462	458	453
75°	185	186	185	186	183	201
85°	30	30	30	30	30	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1564.3	1564.3	1564.3	1564.3	1564.3
2.5°	1565.3	1563.3	1562.7	1562.2	1564.3
5°	1560.6	1558.5	1559.6	1558.5	1559.6
7.5°	1554.9	1552.8	1553.3	1552.3	1553.3
10°	1547.6	1545.5	1545.5	1544.4	1545.5
12.5°	1536.1	1534.5	1534.0	1532.9	1534.5
15°	1519.9	1519.3	1518.3	1517.8	1518.8
17.5°	1500.0	1499.0	1500.0	1498.4	1499.5
20°	1476.5	1477.0	1476.0	1476.5	1477.0
22.5°	1449.8	1449.8	1450.4	1450.4	1451.4
25°	1418.0	1419.5	1419.5	1419.5	1420.6
27.5°	1382.4	1384.5	1386.1	1385.0	1386.1
30°	1342.7	1346.4	1346.9	1346.4	1347.4
32.5°	1299.8	1302.4	1304.0	1303.0	1301.9
35°	1248.6	1255.9	1255.4	1254.4	1254.9
37.5°	1194.8	1202.1	1204.7	1202.6	1203.1
40°	1140.4	1146.7	1148.3	1148.8	1146.7
42.5°	1080.3	1087.6	1093.4	1090.8	1087.6
45°	1018.1	1026.0	1031.2	1029.6	1026.0
47.5°	953.8	961.2	968.5	965.9	962.2
50°	888.0	895.3	901.6	900.5	894.3
52.5°	820.6	828.9	834.7	832.6	824.2
55°	752.1	758.9	764.1	763.1	753.1
57.5°	677.9	686.8	689.4	687.8	680.5
60°	607.8	613.6	616.2	614.1	605.8
62.5°	533.1	537.8	539.9	539.4	533.6
65°	458.4	462.0	463.1	462.0	457.8
67.5°	381.5	386.8	387.3	387.3	383.1
70°	312.0	313.6	312.0	316.2	309.9
72.5°	244.6	245.6	244.6	244.6	242.0
75°	185.0	185.5	185.0	185.5	182.9
77.5°	133.8	134.8	132.8	134.3	131.7
80°	90.9	90.9	89.9	90.4	89.4
82.5°	56.4	57.5	55.9	55.9	55.4
85°	29.8	29.8	29.8	30.3	30.3
87.5°	10.5	10.5	11.0	11.0	10.5
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)