

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: P506330

Luminaire Tested: **22PD-50-PL1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PL1-L950  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

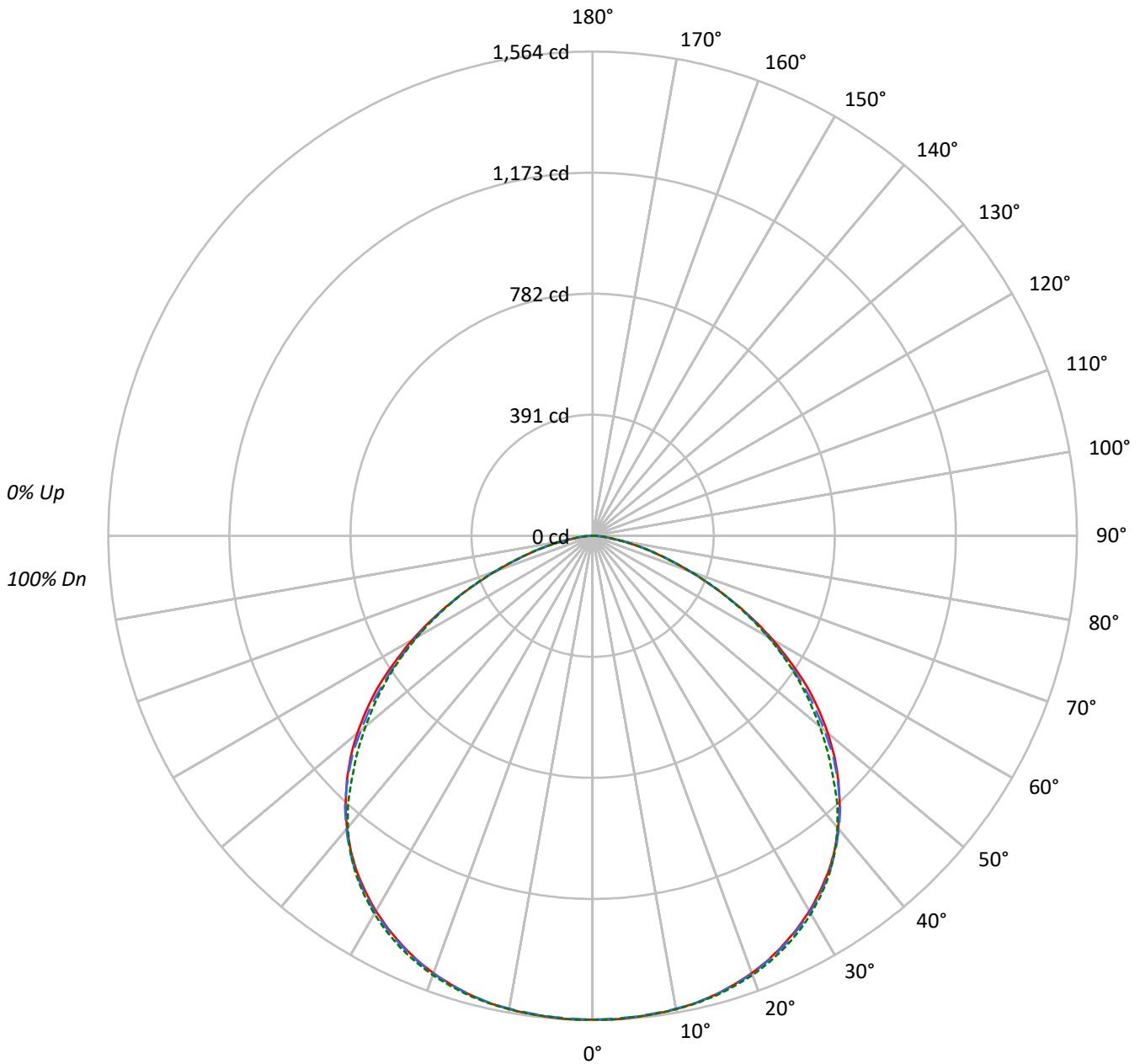
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4426.8 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
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					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	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	100	100	100	100		
	1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85	85	85		
	2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72	72	72	72	72	72		
	3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61	61	61	61	61	61		
	4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52	52	52	52	52	52		
	5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	45	45	45	45		
	6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40	40	40	40	40	40		
	7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35	35	35	35	35	35		
	8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31	31	31	31	31	31		
	9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28		
	10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25	25	25	25	25	25		

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

	0°	45°	90°
0°	4206	4206	4206
5°	4217	4213	4214
10°	4244	4239	4244
15°	4274	4274	4284
20°	4306	4310	4324
25°	4328	4338	4359
30°	4350	4364	4381
35°	4357	4371	4380
40°	4334	4346	4319
45°	4272	4260	4174
50°	4152	4087	4004
55°	3950	3849	3806
60°	3616	3548	3527
65°	3154	3147	3136
70°	2585	2628	2619
75°	2048	2083	2048
80°	1502	1492	1485
85°	1003	985	1053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.6	3.4
10°-20°	433.7	9.8
20°-30°	674.0	15.2
30°-40°	830.9	18.8
40°-50°	858.3	19.4
50°-60°	734.4	16.6
60°-70°	490.2	11.1
70°-80°	215.1	4.9
80°-90°	41.6	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°	1256.3	28.4
0°-40°	2087.3	47.2
0°-60°	3680.0	83.1
0°-90°	4426.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4426.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1563	1563	1563	1563	1563	
5°	1561	1559	1560	1558	1560	149
15°	1534	1533	1534	1535	1538	434
25°	1458	1458	1461	1466	1468	672
35°	1326	1326	1331	1333	1333	829
45°	1123	1122	1119	1109	1097	864
55°	842	832	820	816	811	748
65°	495	494	494	496	492	491
75°	197	195	200	199	197	214
85°	32	32	32	33	34	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1562.9	1562.9	1562.9	1562.9	1562.9
2.5°	1564.0	1561.8	1561.3	1561.3	1564.0
5°	1561.3	1559.0	1559.6	1558.5	1560.1
7.5°	1557.4	1555.2	1555.7	1555.2	1557.4
10°	1553.0	1550.8	1551.3	1550.8	1553.0
12.5°	1545.3	1543.6	1544.7	1545.3	1546.9
15°	1534.3	1532.6	1534.3	1535.4	1537.6
17.5°	1520.0	1518.9	1520.5	1522.2	1524.9
20°	1503.5	1502.4	1505.1	1506.8	1510.1
22.5°	1483.1	1482.0	1484.8	1488.6	1490.8
25°	1457.8	1457.8	1461.1	1465.5	1468.2
27.5°	1430.8	1430.3	1434.1	1438.5	1441.3
30°	1400.0	1398.9	1404.4	1408.3	1409.9
32.5°	1364.2	1364.8	1369.7	1373.6	1374.1
35°	1326.3	1326.3	1330.7	1333.4	1333.4
37.5°	1282.8	1282.2	1286.6	1287.7	1286.1
40°	1233.8	1234.4	1237.1	1236.6	1229.4
42.5°	1181.0	1181.5	1183.7	1176.0	1168.9
45°	1122.6	1122.1	1119.3	1108.9	1096.8
47.5°	1060.5	1057.7	1053.3	1037.3	1028.5
50°	991.7	987.3	976.3	963.6	956.5
52.5°	919.0	911.3	900.3	890.4	884.4
55°	842.0	831.5	820.5	816.1	811.2
57.5°	756.1	749.5	740.2	738.0	734.7
60°	671.9	664.8	659.3	659.3	655.4
62.5°	583.9	579.5	577.3	578.4	574.5
65°	495.3	494.2	494.2	495.8	492.5
67.5°	409.4	411.6	411.1	416.6	412.2
70°	328.5	332.4	334.0	339.5	332.9
72.5°	258.6	259.2	261.4	263.1	259.7
75°	197.0	195.4	200.3	199.2	197.0
77.5°	142.5	141.4	143.1	144.2	141.4
80°	96.9	95.8	96.3	98.0	95.8
82.5°	61.1	60.0	60.0	61.6	61.1
85°	32.5	31.9	31.9	33.0	34.1
87.5°	11.6	11.0	11.6	11.6	11.6
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)