

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: P506326

Luminaire Tested: **22PD-50-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

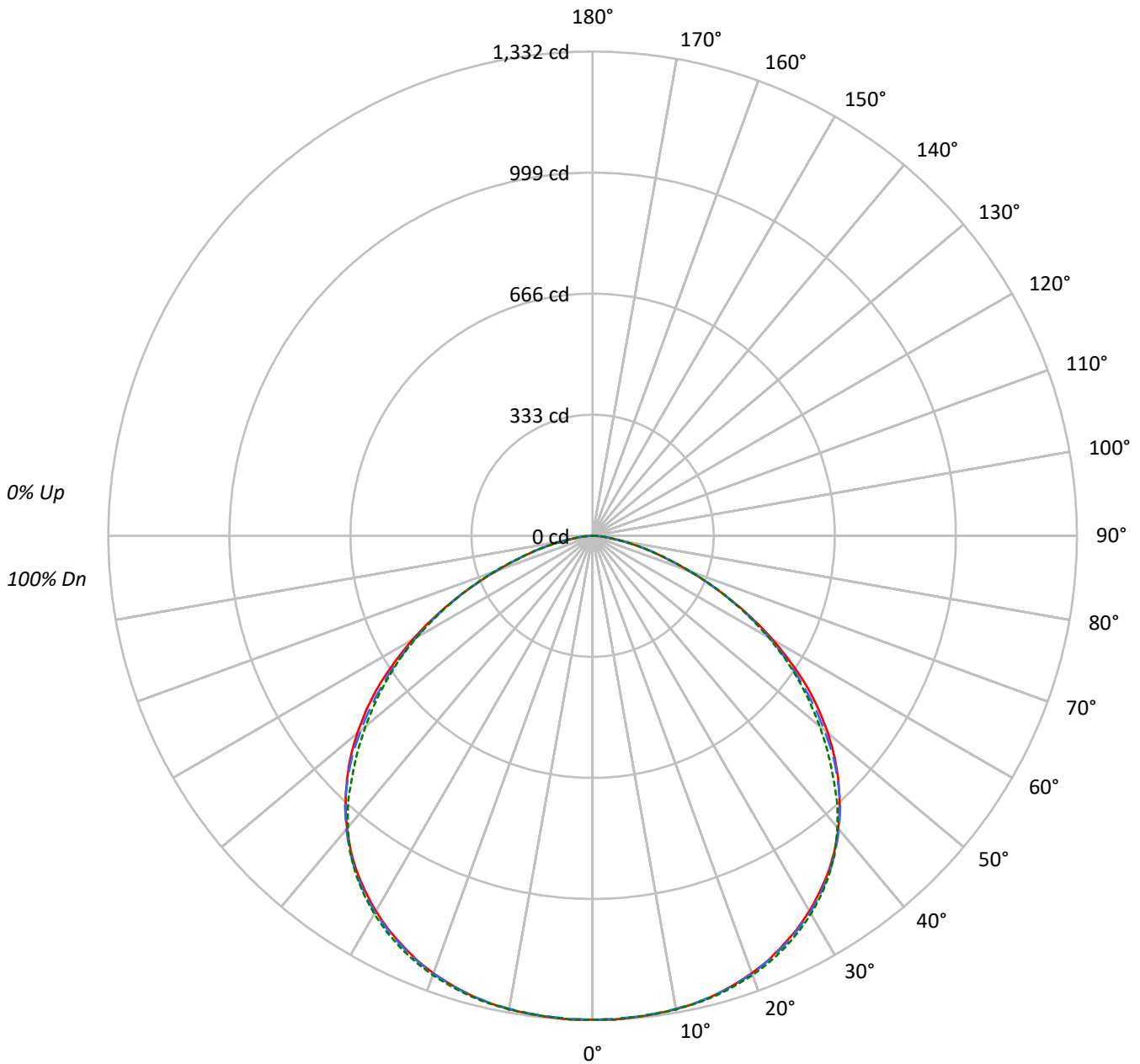
Test Method: LM-79-08  
Report Number: P506326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PL1-L927  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3770.7 lumens  
Efficiency: N/A  
Efficacy: 90.0 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									
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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	3583	3583	3583
5°	3592	3589	3590
10°	3615	3611	3615
15°	3641	3641	3649
20°	3667	3671	3684
25°	3687	3695	3713
30°	3705	3717	3732
35°	3711	3724	3731
40°	3692	3702	3679
45°	3639	3629	3555
50°	3536	3481	3411
55°	3365	3279	3241
60°	3081	3023	3005
65°	2686	2680	2671
70°	2201	2238	2231
75°	1745	1774	1745
80°	1278	1271	1265
85°	855	840	898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.6	3.4
10°-20°	369.4	9.8
20°-30°	574.1	15.2
30°-40°	707.8	18.8
40°-50°	731.1	19.4
50°-60°	625.6	16.6
60°-70°	417.5	11.1
70°-80°	183.2	4.9
80°-90°	35.4	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°	1070.1	28.4
0°-40°	1777.9	47.2
0°-60°	3134.6	83.1
0°-90°	3770.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3770.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1330	1328	1328	1328	1329	127
15°	1307	1306	1307	1308	1310	369
25°	1242	1242	1244	1248	1251	573
35°	1130	1130	1134	1136	1136	706
45°	956	956	954	944	934	736
55°	717	708	699	695	691	637
65°	422	421	421	422	420	419
75°	168	166	171	170	168	182
85°	28	27	27	28	29	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1331.3	1331.3	1331.3	1331.3	1331.3
2.5°	1332.2	1330.3	1329.9	1329.9	1332.2
5°	1329.9	1328.0	1328.5	1327.5	1328.9
7.5°	1326.6	1324.7	1325.2	1324.7	1326.6
10°	1322.8	1321.0	1321.4	1321.0	1322.8
12.5°	1316.3	1314.9	1315.8	1316.3	1317.7
15°	1306.9	1305.5	1306.9	1307.8	1309.7
17.5°	1294.7	1293.8	1295.2	1296.6	1298.9
20°	1280.6	1279.7	1282.0	1283.5	1286.3
22.5°	1263.3	1262.4	1264.7	1268.0	1269.9
25°	1241.7	1241.7	1244.5	1248.3	1250.6
27.5°	1218.8	1218.3	1221.6	1225.3	1227.7
30°	1192.5	1191.6	1196.3	1199.5	1201.0
32.5°	1162.0	1162.5	1166.7	1170.0	1170.5
35°	1129.7	1129.7	1133.5	1135.8	1135.8
37.5°	1092.7	1092.2	1096.0	1096.9	1095.5
40°	1051.0	1051.4	1053.8	1053.3	1047.2
42.5°	1006.0	1006.4	1008.3	1001.7	995.6
45°	956.3	955.8	953.5	944.5	934.2
47.5°	903.3	901.0	897.2	883.6	876.1
50°	844.7	840.9	831.6	820.8	814.7
52.5°	782.8	776.3	766.9	758.4	753.3
55°	717.2	708.3	698.9	695.2	690.9
57.5°	644.1	638.4	630.5	628.6	625.8
60°	572.4	566.3	561.6	561.6	558.3
62.5°	497.4	493.6	491.7	492.7	489.4
65°	421.9	420.9	420.9	422.3	419.5
67.5°	348.8	350.6	350.2	354.8	351.1
70°	279.8	283.1	284.5	289.2	283.6
72.5°	220.3	220.8	222.7	224.1	221.3
75°	167.8	166.4	170.6	169.7	167.8
77.5°	121.4	120.5	121.9	122.8	120.5
80°	82.5	81.6	82.0	83.4	81.6
82.5°	52.0	51.1	51.1	52.5	52.0
85°	27.7	27.2	27.2	28.1	29.1
87.5°	9.8	9.4	9.8	9.8	9.8
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)