

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: P506344

Luminaire Tested: **22PD-50-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

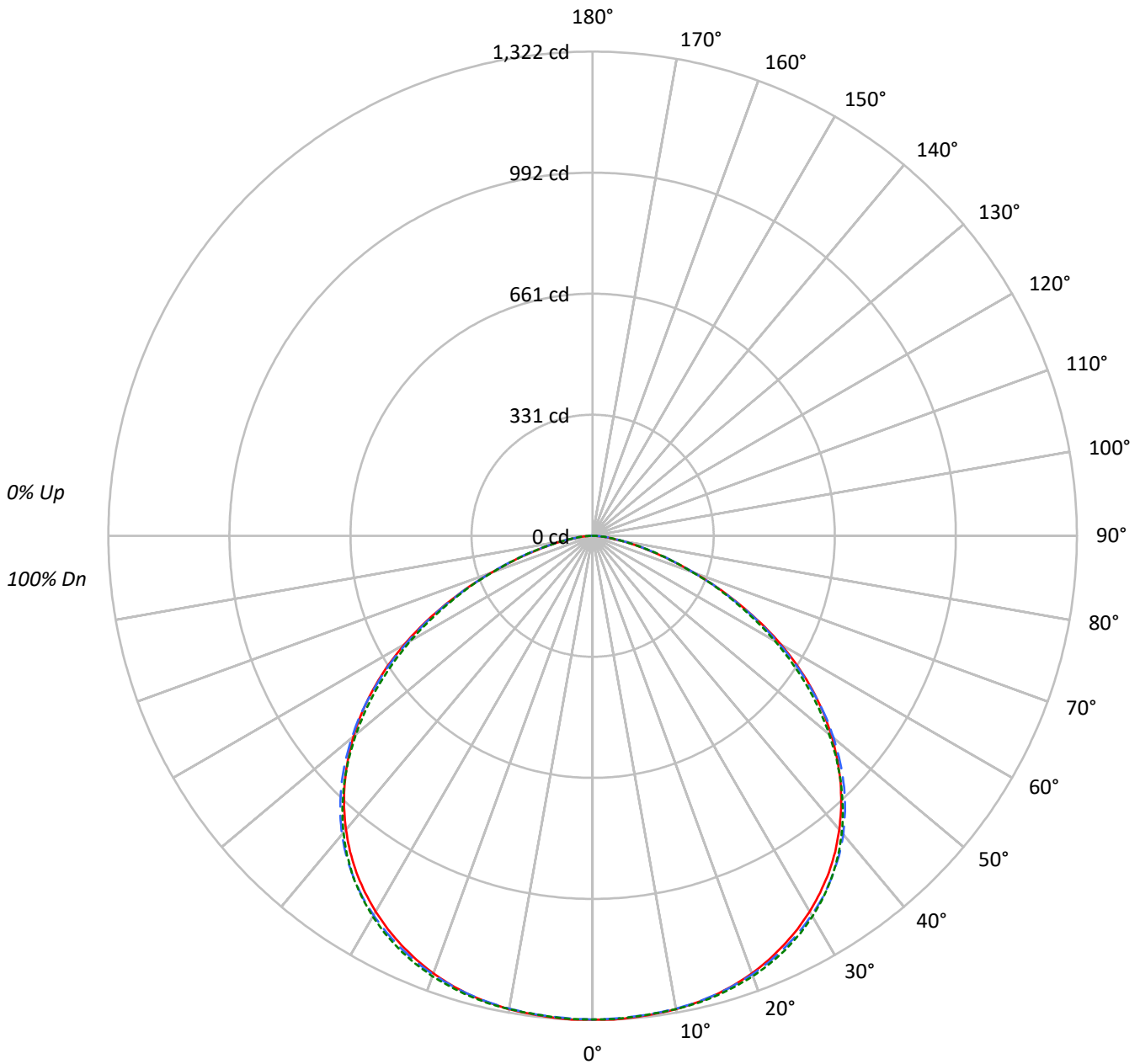
Test Method: LM-79-08  
Report Number: P506344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PW1-L927  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3817.9 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	3554	3554	3554
5°	3564	3559	3560
10°	3587	3582	3586
15°	3615	3614	3624
20°	3642	3650	3665
25°	3664	3685	3702
30°	3681	3717	3730
35°	3691	3739	3740
40°	3680	3739	3718
45°	3643	3695	3650
50°	3569	3594	3530
55°	3430	3415	3351
60°	3194	3158	3092
65°	2816	2790	2735
70°	2306	2318	2269
75°	1747	1806	1791
80°	1266	1317	1296
85°	831	861	917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.6	3.3
10°-20°	366.8	9.6
20°-30°	571.9	15.0
30°-40°	708.8	18.6
40°-50°	741.7	19.4
50°-60°	646.3	16.9
60°-70°	433.0	11.3
70°-80°	187.7	4.9
80°-90°	36.1	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°	1064.3	27.9
0°-40°	1773.1	46.4
0°-60°	3161.1	82.8
0°-90°	3817.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3817.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1319	1318	1318	1317	1318	126
15°	1298	1296	1297	1299	1301	367
25°	1234	1234	1241	1245	1247	569
35°	1124	1128	1138	1140	1139	702
45°	957	962	971	963	959	737
55°	731	731	728	720	714	651
65°	442	440	438	434	430	437
75°	168	171	174	172	172	185
85°	27	29	28	28	30	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1320.8	1320.8	1320.8	1320.8	1320.8
2.5°	1322.2	1319.8	1319.4	1319.4	1320.8
5°	1319.4	1317.9	1317.5	1317.0	1317.9
7.5°	1316.5	1314.6	1315.1	1314.2	1315.1
10°	1312.7	1310.9	1310.9	1310.9	1312.3
12.5°	1306.1	1304.7	1305.2	1306.1	1308.0
15°	1297.6	1295.8	1297.2	1298.6	1300.9
17.5°	1285.8	1284.4	1286.8	1289.1	1291.0
20°	1271.7	1270.3	1274.5	1277.8	1279.7
22.5°	1254.2	1253.7	1259.4	1263.2	1264.6
25°	1233.9	1234.4	1241.0	1244.8	1246.7
27.5°	1210.8	1211.7	1220.2	1223.5	1225.4
30°	1184.8	1187.2	1196.2	1199.0	1200.4
32.5°	1155.6	1158.9	1169.7	1171.6	1171.6
35°	1123.5	1127.7	1138.1	1139.5	1138.6
37.5°	1087.6	1092.3	1104.1	1102.2	1100.8
40°	1047.5	1052.7	1064.5	1060.7	1058.3
42.5°	1004.5	1009.7	1020.1	1014.4	1011.1
45°	957.3	962.5	971.0	963.0	959.2
47.5°	906.3	912.5	916.7	907.7	903.0
50°	852.5	854.4	858.6	848.3	843.1
52.5°	794.0	794.0	797.3	786.0	779.8
55°	731.2	730.7	727.9	719.9	714.2
57.5°	664.6	661.8	659.9	651.4	644.8
60°	593.4	589.1	586.7	579.7	574.5
62.5°	518.8	516.4	513.6	507.9	502.3
65°	442.3	439.9	438.1	433.8	429.6
67.5°	366.3	364.9	364.9	362.1	361.6
70°	293.1	294.1	294.6	294.6	288.4
72.5°	227.1	227.5	229.9	228.0	227.5
75°	168.0	170.9	173.7	172.3	172.3
77.5°	120.8	125.1	125.1	124.1	122.7
80°	81.7	83.6	85.0	84.5	83.6
82.5°	51.9	53.3	51.9	52.9	53.3
85°	26.9	28.8	27.9	28.3	29.7
87.5°	9.0	9.9	10.4	9.9	9.9
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)