

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: P506290

Luminaire Tested: **22PD-40-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

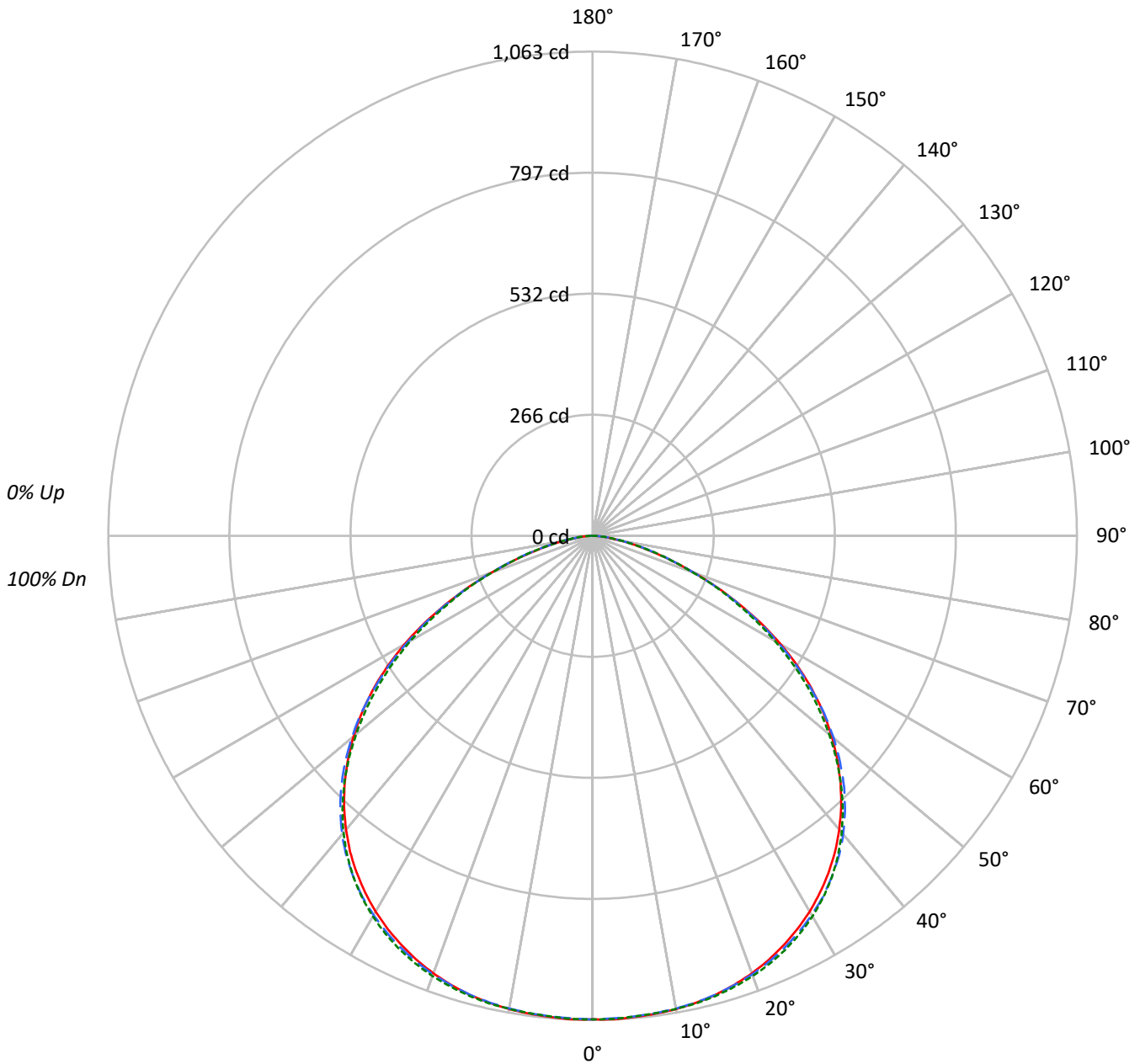
Test Method: LM-79-08  
Report Number: P506290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-40-PW1-L927  
Description: 4000 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: 3069.2 lumens  
Efficiency: N/A  
Efficacy: 94.1 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): 32.6  
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	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	84	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°	2857	2857	2857
5°	2865	2861	2862
10°	2884	2879	2883
15°	2906	2905	2914
20°	2928	2934	2946
25°	2945	2962	2976
30°	2960	2988	2999
35°	2967	3006	3007
40°	2958	3006	2989
45°	2929	2971	2935
50°	2869	2890	2837
55°	2758	2745	2693
60°	2567	2539	2485
65°	2264	2243	2199
70°	1854	1863	1825
75°	1405	1451	1440
80°	1017	1058	1041
85°	667	692	738



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	3.3
10°-20°	294.9	9.6
20°-30°	459.7	15.0
30°-40°	569.8	18.6
40°-50°	596.2	19.4
50°-60°	519.6	16.9
60°-70°	348.1	11.3
70°-80°	150.9	4.9
80°-90°	29.0	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°	855.6	27.9
0°-40°	1425.4	46.4
0°-60°	2541.2	82.8
0°-90°	3069.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3069.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1061	1060	1059	1059	1060	101
15°	1043	1042	1043	1044	1046	295
25°	992	992	998	1001	1002	457
35°	903	907	915	916	915	565
45°	770	774	781	774	771	593
55°	588	587	585	579	574	523
65°	356	354	352	349	345	352
75°	135	137	140	138	138	149
85°	22	23	22	23	24	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1061.8	1061.8	1061.8	1061.8	1061.8
2.5°	1062.9	1061.0	1060.6	1060.6	1061.8
5°	1060.6	1059.5	1059.1	1058.7	1059.5
7.5°	1058.3	1056.8	1057.2	1056.5	1057.2
10°	1055.3	1053.8	1053.8	1053.8	1054.9
12.5°	1050.0	1048.9	1049.2	1050.0	1051.5
15°	1043.2	1041.7	1042.8	1043.9	1045.8
17.5°	1033.7	1032.5	1034.4	1036.3	1037.9
20°	1022.3	1021.2	1024.6	1027.2	1028.8
22.5°	1008.3	1007.9	1012.4	1015.5	1016.6
25°	991.9	992.3	997.6	1000.7	1002.2
27.5°	973.3	974.1	980.9	983.6	985.1
30°	952.5	954.4	961.6	963.9	965.0
32.5°	928.9	931.6	940.3	941.9	941.9
35°	903.1	906.6	914.9	916.0	915.3
37.5°	874.3	878.1	887.6	886.1	884.9
40°	842.0	846.2	855.7	852.7	850.8
42.5°	807.5	811.7	820.0	815.5	812.8
45°	769.6	773.7	780.6	774.1	771.1
47.5°	728.6	733.5	736.9	729.7	725.9
50°	685.3	686.8	690.3	681.9	677.7
52.5°	638.3	638.3	640.9	631.8	626.9
55°	587.8	587.4	585.1	578.7	574.1
57.5°	534.3	532.0	530.5	523.7	518.4
60°	477.0	473.6	471.7	466.0	461.8
62.5°	417.0	415.1	412.9	408.3	403.8
65°	355.6	353.7	352.2	348.7	345.3
67.5°	294.5	293.3	293.3	291.1	290.7
70°	235.7	236.4	236.8	236.8	231.9
72.5°	182.5	182.9	184.8	183.3	182.9
75°	135.1	137.4	139.6	138.5	138.5
77.5°	97.1	100.6	100.6	99.8	98.7
80°	65.6	67.2	68.3	67.9	67.2
82.5°	41.7	42.9	41.7	42.5	42.9
85°	21.6	23.1	22.4	22.8	23.9
87.5°	7.2	8.0	8.3	8.0	8.0
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)