

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: P505939

Luminaire Tested: **14PD-40-PW1-L927**

Issue Date: 3/26/2021



**Test Information**

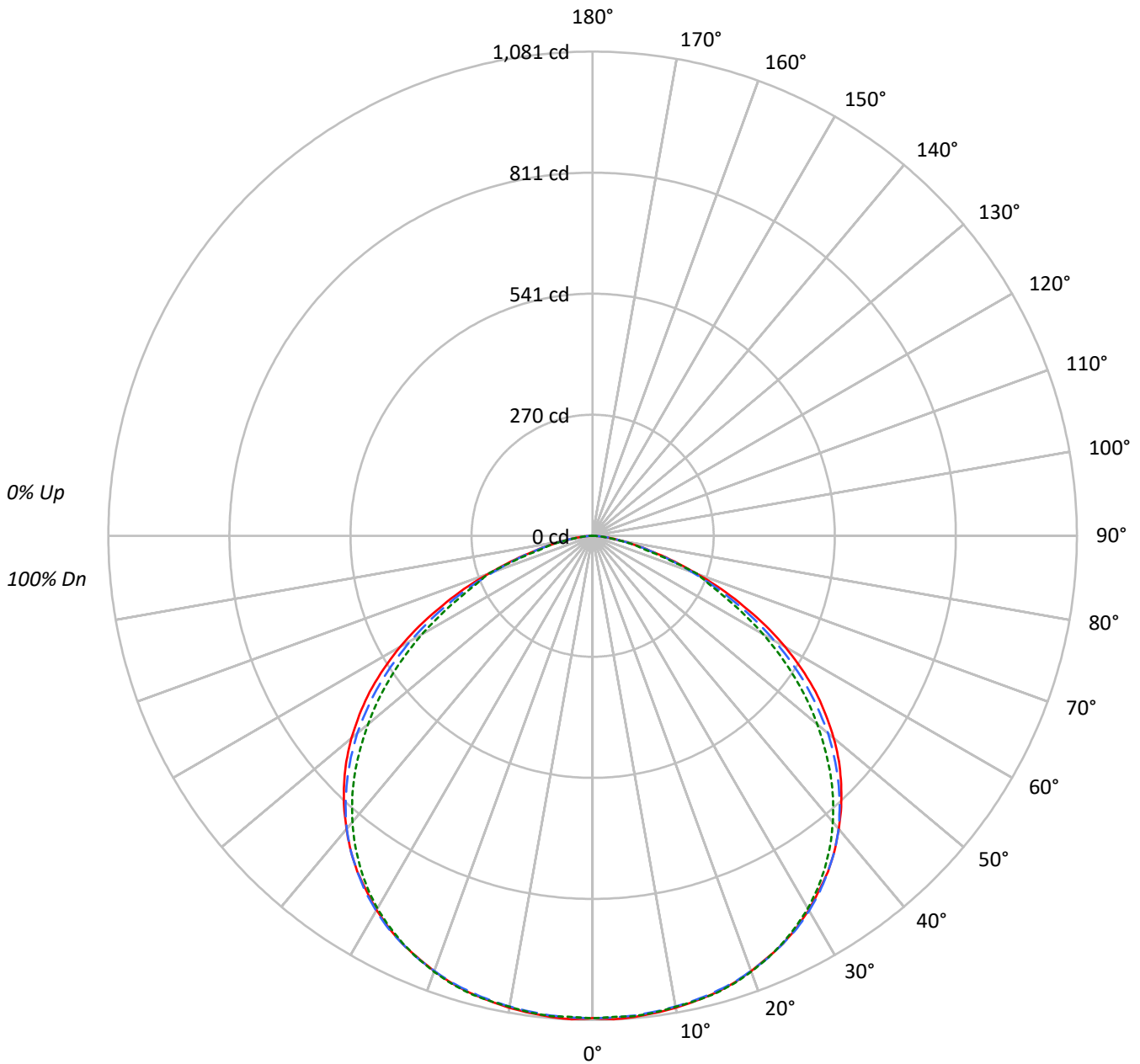
Test Method: LM-79-08  
Report Number: P505939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PW1-L927  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3067.2 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.8  
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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	2898	2898	2898
5°	2912	2904	2908
10°	2925	2916	2918
15°	2944	2937	2948
20°	2962	2960	2966
25°	2984	2984	2979
30°	2998	3004	2985
35°	3008	3008	2970
40°	3003	3000	2930
45°	2986	2952	2856
50°	2941	2870	2740
55°	2851	2730	2582
60°	2671	2523	2366
65°	2365	2229	2082
70°	1930	1844	1945
75°	1456	1431	1285
80°	1048	981	981
85°	658	621	546



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	3.3
10°-20°	298.1	9.7
20°-30°	462.8	15.1
30°-40°	570.0	18.6
40°-50°	593.4	19.3
50°-60°	516.1	16.8
60°-70°	346.7	11.3
70°-80°	150.1	4.9
80°-90°	27.5	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°	863.3	28.1
0°-40°	1433.3	46.7
0°-60°	2542.9	82.9
0°-90°	3067.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1078	1072	1075	1078	1076	103
15°	1057	1050	1054	1058	1058	299
25°	1005	1000	1005	1005	1003	463
35°	916	913	916	908	904	572
45°	785	782	776	758	751	604
55°	608	597	582	559	550	540
65°	371	365	350	334	327	368
75°	140	141	138	141	124	154
85°	21	22	20	18	18	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1077.0	1077.0	1077.0	1077.0	1077.0
2.5°	1080.6	1073.9	1076.4	1080.0	1075.1
5°	1078.2	1071.5	1075.1	1077.6	1076.4
7.5°	1074.5	1069.7	1071.5	1073.9	1073.3
10°	1070.3	1065.4	1067.2	1069.7	1067.8
12.5°	1063.6	1058.1	1061.7	1064.2	1063.6
15°	1056.9	1049.6	1054.4	1058.1	1058.1
17.5°	1047.1	1041.0	1045.9	1049.0	1048.4
20°	1034.3	1030.1	1033.7	1036.2	1035.6
22.5°	1019.7	1016.7	1021.0	1021.0	1021.0
25°	1005.1	1000.3	1005.1	1005.1	1003.3
27.5°	986.3	982.0	988.1	986.3	983.2
30°	964.9	962.5	966.8	963.7	960.7
32.5°	940.0	938.8	943.0	936.9	934.5
35°	915.6	913.2	915.6	907.7	904.1
37.5°	887.0	884.6	887.0	876.7	871.2
40°	854.8	852.9	854.1	840.8	834.1
42.5°	821.3	819.4	816.4	800.0	794.5
45°	784.7	782.3	775.6	758.0	750.6
47.5°	745.8	741.5	731.8	712.9	703.2
50°	702.6	696.5	685.5	664.8	654.5
52.5°	655.7	648.4	634.4	613.7	603.9
55°	607.6	596.6	582.0	558.9	550.4
57.5°	552.8	541.2	526.0	504.7	495.0
60°	496.2	484.6	468.8	449.3	439.6
62.5°	435.9	425.6	409.7	391.5	382.9
65°	371.4	364.7	350.1	333.6	326.9
67.5°	310.5	303.8	291.6	277.6	280.0
70°	245.3	244.7	234.4	224.6	247.2
72.5°	191.2	189.9	184.5	179.6	178.4
75°	140.0	141.2	137.6	140.6	123.6
77.5°	98.6	99.8	99.2	90.7	95.0
80°	67.6	67.6	63.3	60.3	63.3
82.5°	40.8	48.7	43.8	35.9	34.7
85°	21.3	21.9	20.1	17.7	17.7
87.5°	7.9	9.1	7.9	7.3	6.7
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)