

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: P505915

Luminaire Tested: **14PD-35-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

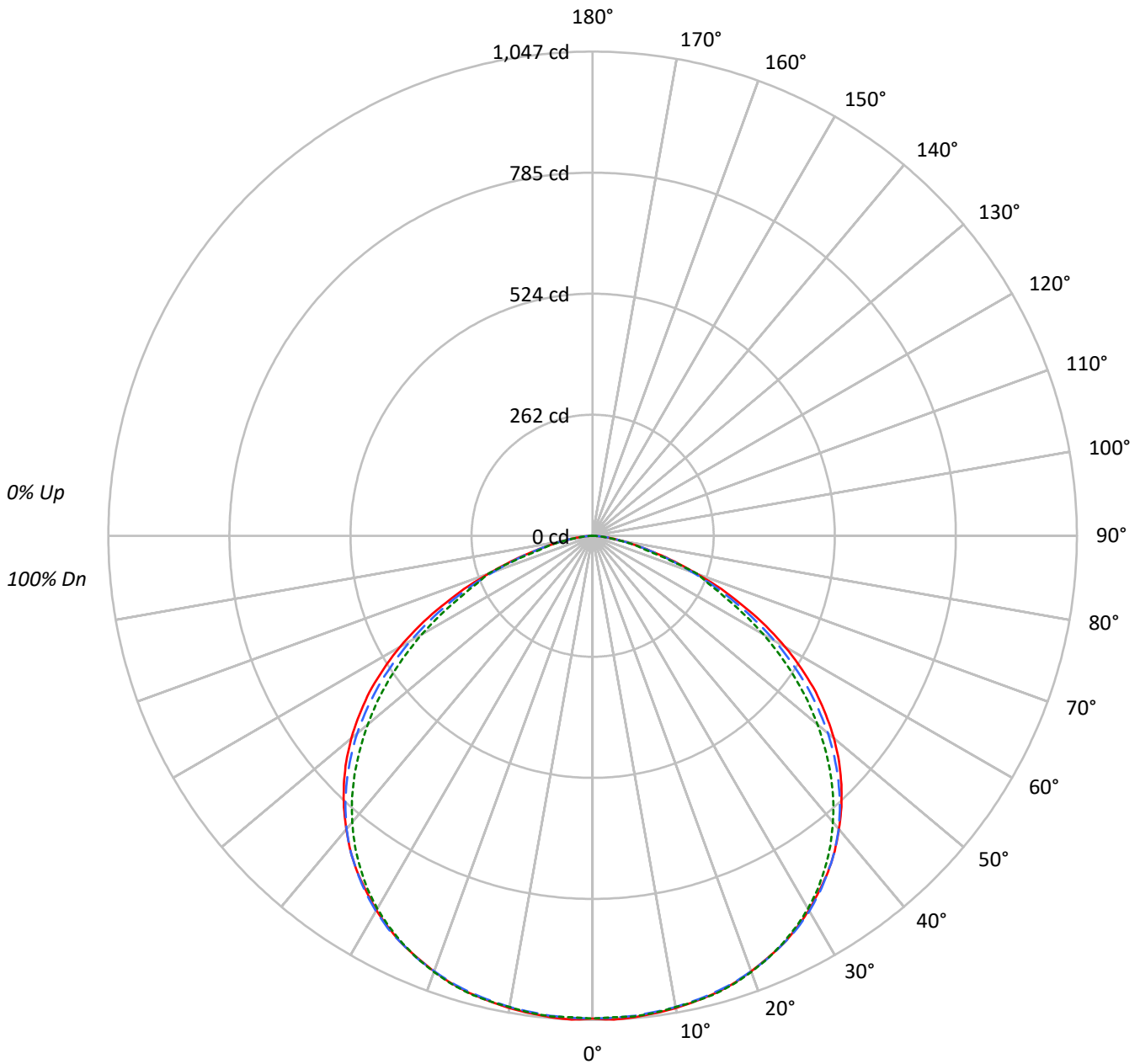
Test Method: LM-79-08  
Report Number: P505915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PW1-L940  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2972.7 lumens  
Efficiency: N/A  
Efficacy: 93.5 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): 31.8  
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°	2809	2809	2809
5°	2823	2815	2818
10°	2834	2826	2828
15°	2854	2847	2857
20°	2871	2869	2874
25°	2893	2893	2887
30°	2906	2912	2893
35°	2915	2915	2878
40°	2910	2908	2840
45°	2895	2861	2769
50°	2851	2781	2655
55°	2763	2647	2502
60°	2588	2445	2293
65°	2292	2160	2018
70°	1871	1788	1885
75°	1411	1387	1246
80°	1015	951	951
85°	639	602	528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.3	3.3
10°-20°	288.9	9.7
20°-30°	448.5	15.1
30°-40°	552.5	18.6
40°-50°	575.2	19.3
50°-60°	500.2	16.8
60°-70°	336.0	11.3
70°-80°	145.5	4.9
80°-90°	26.7	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°	836.7	28.1
0°-40°	1389.2	46.7
0°-60°	2464.5	82.9
0°-90°	2972.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1045	1038	1042	1044	1043	99
15°	1024	1017	1022	1026	1026	289
25°	974	969	974	974	972	449
35°	887	885	887	880	876	555
45°	761	758	752	735	728	586
55°	589	578	564	542	533	523
65°	360	353	339	323	317	356
75°	136	137	133	136	120	150
85°	21	21	20	17	17	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1043.8	1043.8	1043.8	1043.8	1043.8
2.5°	1047.3	1040.8	1043.2	1046.7	1042.0
5°	1045.0	1038.5	1042.0	1044.4	1043.2
7.5°	1041.4	1036.7	1038.5	1040.8	1040.3
10°	1037.3	1032.6	1034.4	1036.7	1034.9
12.5°	1030.8	1025.5	1029.0	1031.4	1030.8
15°	1024.3	1017.2	1022.0	1025.5	1025.5
17.5°	1014.9	1009.0	1013.7	1016.7	1016.1
20°	1002.5	998.4	1001.9	1004.3	1003.7
22.5°	988.3	985.4	989.5	989.5	989.5
25°	974.2	969.4	974.2	974.2	972.4
27.5°	955.9	951.7	957.6	955.9	952.9
30°	935.2	932.9	937.0	934.0	931.1
32.5°	911.0	909.9	914.0	908.1	905.7
35°	887.4	885.1	887.4	879.8	876.2
37.5°	859.7	857.3	859.7	849.7	844.4
40°	828.4	826.7	827.8	814.9	808.4
42.5°	796.0	794.2	791.3	775.3	770.0
45°	760.6	758.2	751.7	734.6	727.5
47.5°	722.8	718.7	709.2	690.9	681.5
50°	680.9	675.0	664.4	644.3	634.3
52.5°	635.5	628.4	614.8	594.8	585.3
55°	588.9	578.2	564.1	541.7	533.4
57.5°	535.8	524.6	509.8	489.2	479.7
60°	480.9	469.7	454.3	435.5	426.0
62.5°	422.5	412.4	397.1	379.4	371.1
65°	359.9	353.4	339.3	323.3	316.9
67.5°	300.9	294.4	282.6	269.1	271.4
70°	237.8	237.2	227.2	217.7	239.6
72.5°	185.3	184.1	178.8	174.1	172.9
75°	135.7	136.9	133.4	136.3	119.8
77.5°	95.6	96.8	96.2	87.9	92.0
80°	65.5	65.5	61.4	58.4	61.4
82.5°	39.5	47.2	42.5	34.8	33.6
85°	20.7	21.2	19.5	17.1	17.1
87.5°	7.7	8.9	7.7	7.1	6.5
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)