

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: P505882

Luminaire Tested: **14PD-30-PW1-L835**

Issue Date: 3/26/2021



**Test Information**

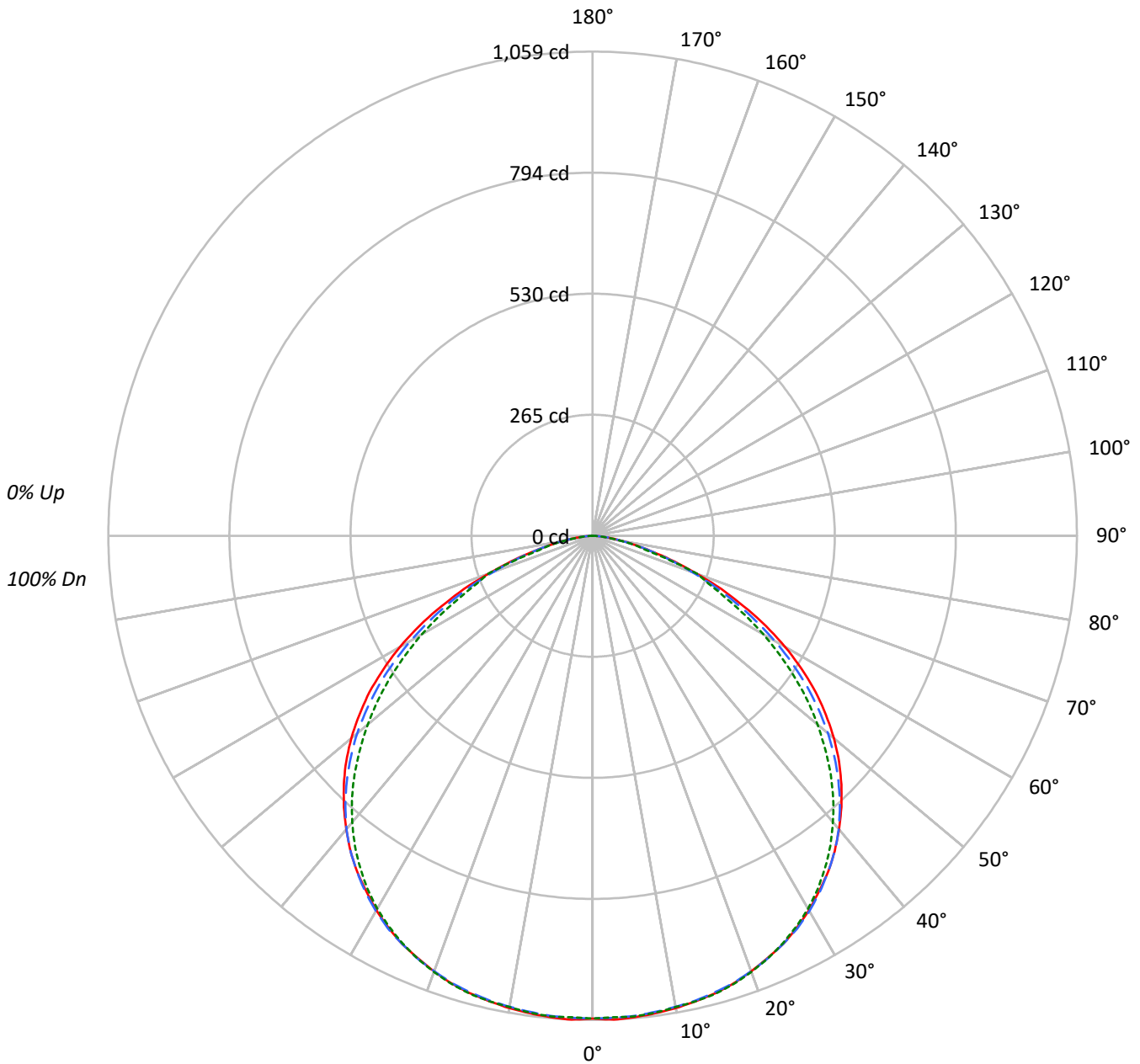
Test Method: LM-79-08  
Report Number: P505882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PW1-L835  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3006.9 lumens  
Efficiency: N/A  
Efficacy: 111.4 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): 27  
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°	2841	2841	2841
5°	2855	2847	2850
10°	2867	2859	2860
15°	2886	2880	2890
20°	2904	2902	2907
25°	2926	2926	2920
30°	2939	2945	2926
35°	2949	2949	2912
40°	2944	2942	2872
45°	2928	2894	2801
50°	2883	2813	2686
55°	2794	2677	2531
60°	2618	2474	2319
65°	2318	2185	2041
70°	1892	1808	1906
75°	1428	1403	1260
80°	1026	962	962
85°	645	608	534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.4	3.3
10°-20°	292.3	9.7
20°-30°	453.7	15.1
30°-40°	558.8	18.6
40°-50°	581.8	19.3
50°-60°	505.9	16.8
60°-70°	339.9	11.3
70°-80°	147.1	4.9
80°-90°	27.0	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°	846.4	28.1
0°-40°	1405.2	46.7
0°-60°	2492.9	82.9
0°-90°	3006.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1057	1050	1054	1056	1055	101
15°	1036	1029	1034	1037	1037	293
25°	985	981	985	985	984	454
35°	898	895	898	890	886	561
45°	769	767	760	743	736	593
55°	596	585	571	548	540	529
65°	364	358	343	327	320	361
75°	137	138	135	138	121	151
85°	21	22	20	17	17	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.8	1055.8	1055.8	1055.8	1055.8
2.5°	1059.4	1052.8	1055.2	1058.8	1054.0
5°	1057.0	1050.4	1054.0	1056.4	1055.2
7.5°	1053.4	1048.6	1050.4	1052.8	1052.2
10°	1049.2	1044.5	1046.2	1048.6	1046.8
12.5°	1042.7	1037.3	1040.9	1043.3	1042.7
15°	1036.1	1028.9	1033.7	1037.3	1037.3
17.5°	1026.5	1020.6	1025.4	1028.3	1027.7
20°	1014.0	1009.8	1013.4	1015.8	1015.2
22.5°	999.7	996.7	1000.9	1000.9	1000.9
25°	985.4	980.6	985.4	985.4	983.6
27.5°	966.9	962.7	968.7	966.9	963.9
30°	946.0	943.6	947.8	944.8	941.8
32.5°	921.5	920.3	924.5	918.5	916.1
35°	897.6	895.2	897.6	889.9	886.3
37.5°	869.6	867.2	869.6	859.4	854.1
40°	838.0	836.2	837.4	824.2	817.7
42.5°	805.1	803.3	800.3	784.2	778.9
45°	769.3	766.9	760.4	743.1	735.9
47.5°	731.1	726.9	717.4	698.9	689.3
50°	688.7	682.8	672.0	651.7	641.6
52.5°	642.8	635.6	621.9	601.6	592.1
55°	595.6	584.9	570.6	547.9	539.5
57.5°	541.9	530.6	515.7	494.8	485.2
60°	486.4	475.1	459.6	440.5	430.9
62.5°	427.3	417.2	401.7	383.8	375.4
65°	364.1	357.5	343.2	327.1	320.5
67.5°	304.4	297.8	285.9	272.2	274.5
70°	240.5	239.9	229.8	220.2	242.3
72.5°	187.4	186.2	180.8	176.1	174.9
75°	137.3	138.5	134.9	137.9	121.2
77.5°	96.7	97.9	97.3	88.9	93.1
80°	66.2	66.2	62.1	59.1	62.1
82.5°	40.0	47.7	43.0	35.2	34.0
85°	20.9	21.5	19.7	17.3	17.3
87.5°	7.8	9.0	7.8	7.2	6.6
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)