

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: P505884

Luminaire Tested: **14PD-30-PW1-L850**

Issue Date: 3/26/2021



**Test Information**

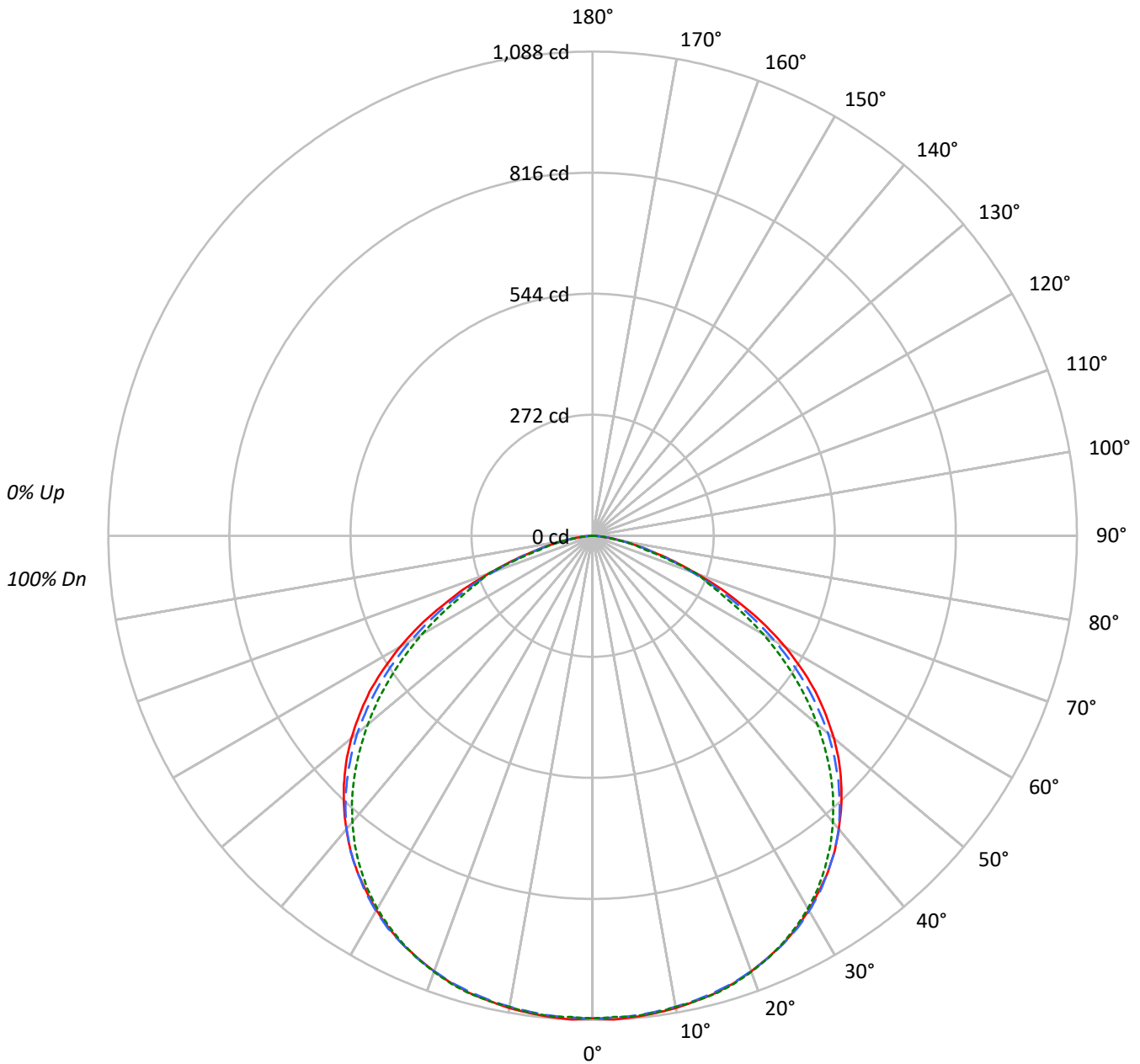
Test Method: LM-79-08  
Report Number: P505884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PW1-L850  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3088.3 lumens  
Efficiency: N/A  
Efficacy: 114.4 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 (Ain): 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				20				
RC	80				70				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°	2918	2918	2918
5°	2932	2924	2928
10°	2945	2936	2938
15°	2964	2958	2968
20°	2983	2981	2986
25°	3005	3005	2999
30°	3019	3025	3006
35°	3029	3029	2990
40°	3023	3021	2950
45°	3007	2972	2876
50°	2961	2889	2759
55°	2870	2749	2600
60°	2689	2540	2382
65°	2381	2245	2096
70°	1943	1857	1958
75°	1466	1440	1293
80°	1054	989	989
85°	664	624	550



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	3.3
10°-20°	300.2	9.7
20°-30°	466.0	15.1
30°-40°	573.9	18.6
40°-50°	597.5	19.3
50°-60°	519.6	16.8
60°-70°	349.1	11.3
70°-80°	151.1	4.9
80°-90°	27.7	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°	869.3	28.1
0°-40°	1443.2	46.7
0°-60°	2560.3	82.9
0°-90°	3088.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1086	1079	1082	1085	1084	103
15°	1064	1057	1062	1065	1065	301
25°	1012	1007	1012	1012	1010	466
35°	922	920	922	914	910	576
45°	790	788	781	763	756	609
55°	612	601	586	563	554	544
65°	374	367	352	336	329	370
75°	141	142	138	142	124	155
85°	22	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°	1084.4	1084.4	1084.4	1084.4	1084.4
2.5°	1088.1	1081.3	1083.8	1087.4	1082.5
5°	1085.6	1078.9	1082.5	1085.0	1083.8
7.5°	1081.9	1077.0	1078.9	1081.3	1080.7
10°	1077.6	1072.7	1074.6	1077.0	1075.2
12.5°	1070.9	1065.4	1069.1	1071.5	1070.9
15°	1064.1	1056.8	1061.7	1065.4	1065.4
17.5°	1054.3	1048.2	1053.1	1056.2	1055.6
20°	1041.5	1037.2	1040.9	1043.3	1042.7
22.5°	1026.8	1023.7	1028.0	1028.0	1028.0
25°	1012.0	1007.1	1012.0	1012.0	1010.2
27.5°	993.0	988.7	994.9	993.0	990.0
30°	971.6	969.1	973.4	970.4	967.3
32.5°	946.5	945.2	949.5	943.4	940.9
35°	921.9	919.5	921.9	914.0	910.3
37.5°	893.1	890.7	893.1	882.7	877.2
40°	860.6	858.8	860.0	846.5	839.8
42.5°	826.9	825.1	822.0	805.5	799.9
45°	790.1	787.7	780.9	763.2	755.8
47.5°	750.9	746.6	736.8	717.8	708.0
50°	707.4	701.3	690.2	669.4	659.0
52.5°	660.2	652.8	638.7	617.9	608.1
55°	611.8	600.7	586.0	562.7	554.1
57.5°	556.6	544.9	529.6	508.2	498.4
60°	499.6	487.9	472.0	452.4	442.6
62.5°	438.9	428.5	412.5	394.2	385.6
65°	373.9	367.2	352.5	335.9	329.2
67.5°	312.6	305.9	293.6	279.5	282.0
70°	247.0	246.4	236.0	226.2	248.9
72.5°	192.5	191.3	185.7	180.8	179.6
75°	141.0	142.2	138.5	141.6	124.4
77.5°	99.3	100.5	99.9	91.3	95.6
80°	68.0	68.0	63.8	60.7	63.8
82.5°	41.1	49.0	44.1	36.2	34.9
85°	21.5	22.1	20.2	17.8	17.8
87.5°	8.0	9.2	8.0	7.4	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)