

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: P505865

Luminaire Tested: **14PD-30-PL1-L840**

Issue Date: 3/26/2021



**Test Information**

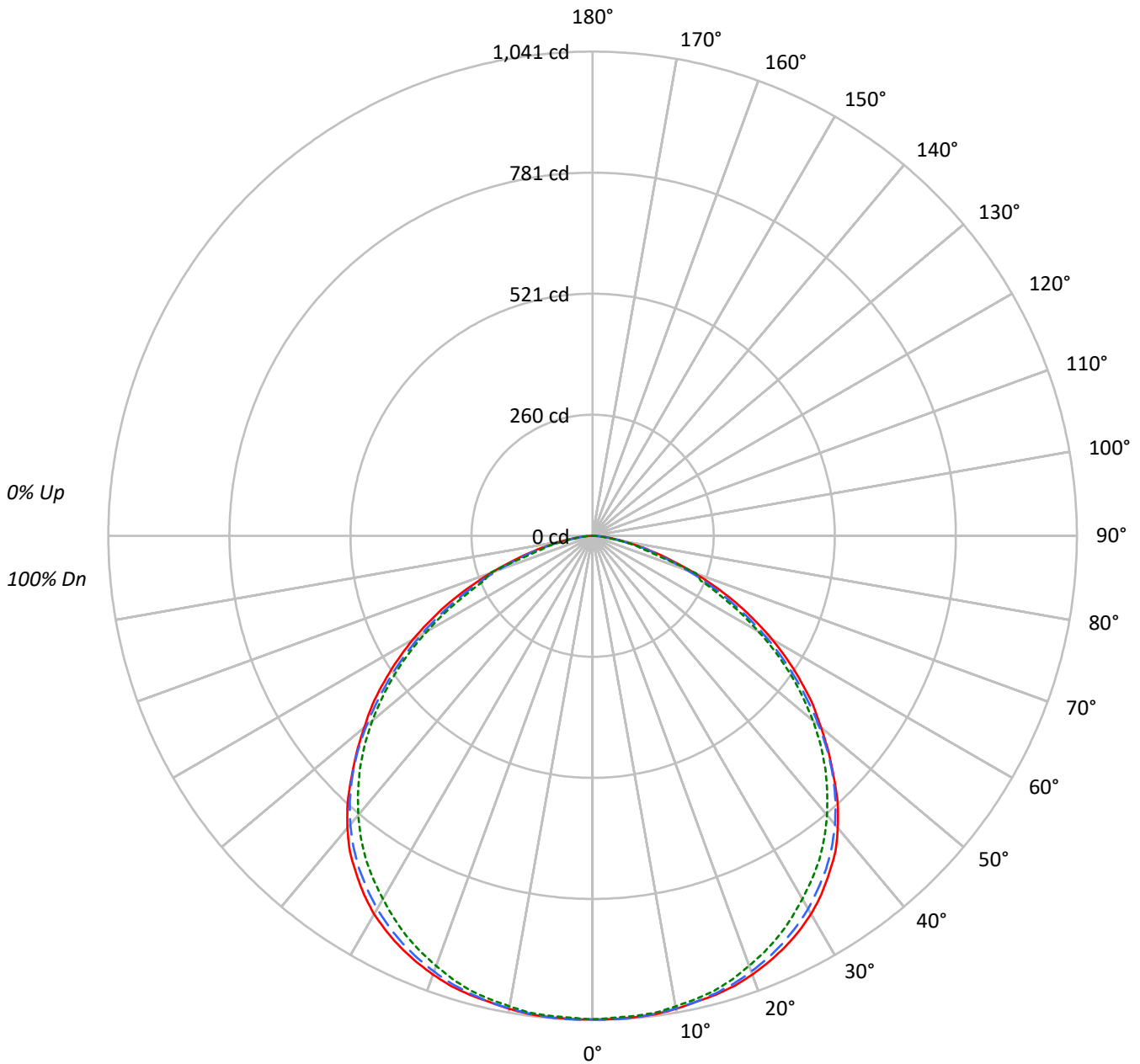
Test Method: LM-79-08  
Report Number: P505865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PL1-L840  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2890.1 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
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				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	98	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	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2798	2798	2798
5°	2807	2809	2800
10°	2823	2820	2807
15°	2846	2838	2821
20°	2875	2855	2818
25°	2899	2871	2816
30°	2919	2878	2802
35°	2912	2874	2791
40°	2881	2846	2752
45°	2788	2780	2691
50°	2682	2658	2587
55°	2567	2492	2435
60°	2397	2289	2213
65°	2160	2025	1916
70°	1806	1694	1860
75°	1425	1371	1187
80°	1026	911	930
85°	651	546	513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.9	3.4
10°-20°	287.4	9.9
20°-30°	444.3	15.4
30°-40°	543.8	18.8
40°-50°	557.5	19.3
50°-60°	474.8	16.4
60°-70°	317.3	11.0
70°-80°	140.6	4.9
80°-90°	25.4	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°	830.6	28.7
0°-40°	1374.4	47.6
0°-60°	2406.8	83.3
0°-90°	2890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1039	1037	1040	1039	1036	99
15°	1022	1018	1019	1016	1012	289
25°	976	973	967	954	948	450
35°	886	884	875	855	850	554
45°	733	735	730	714	707	565
55°	547	544	531	520	519	488
65°	339	336	318	304	301	334
75°	137	139	132	132	114	148
85°	21	21	18	17	17	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1039.9	1038.2	1041.0	1042.2	1037.0
5°	1039.3	1037.0	1039.9	1039.3	1036.4
7.5°	1037.6	1033.6	1036.4	1035.3	1034.2
10°	1033.0	1029.6	1031.9	1030.2	1027.3
12.5°	1026.7	1024.5	1026.2	1024.5	1020.5
15°	1021.6	1018.2	1018.7	1015.9	1012.5
17.5°	1014.7	1009.6	1009.6	1003.9	999.9
20°	1003.9	999.3	997.0	989.1	983.9
22.5°	991.3	987.9	983.3	973.1	967.4
25°	976.5	973.1	966.8	954.2	948.5
27.5°	959.4	954.8	947.9	933.1	926.2
30°	939.4	933.7	926.2	909.7	901.7
32.5°	914.8	910.8	901.1	884.0	876.6
35°	886.3	884.0	874.8	855.4	849.7
37.5°	857.1	852.6	844.6	824.0	818.3
40°	820.0	817.2	810.3	790.3	783.5
42.5°	780.0	778.3	772.6	753.8	746.4
45°	732.7	734.9	730.4	713.8	707.0
47.5°	687.5	686.4	684.7	669.8	664.1
50°	640.7	638.4	635.0	623.0	617.9
52.5°	596.7	592.2	583.0	572.8	569.3
55°	547.1	544.2	531.1	520.2	519.1
57.5°	496.8	495.1	479.1	466.5	466.5
60°	445.4	443.1	425.4	412.3	411.2
62.5°	391.7	390.0	371.8	356.9	357.5
65°	339.2	336.3	318.1	303.8	300.9
67.5°	284.4	283.2	265.5	252.4	251.3
70°	229.6	229.6	215.3	203.9	236.4
72.5°	181.0	179.3	167.9	162.7	155.3
75°	137.1	138.8	131.9	132.5	114.2
77.5°	97.6	94.8	91.9	85.7	90.8
80°	66.2	64.5	58.8	57.1	60.0
82.5°	41.1	41.7	36.5	33.1	32.5
85°	21.1	20.6	17.7	17.1	16.6
87.5°	8.0	8.6	7.4	6.9	6.3
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)