

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: P505883

Luminaire Tested: **14PD-30-PW1-L840**

Issue Date: 3/26/2021



**Test Information**

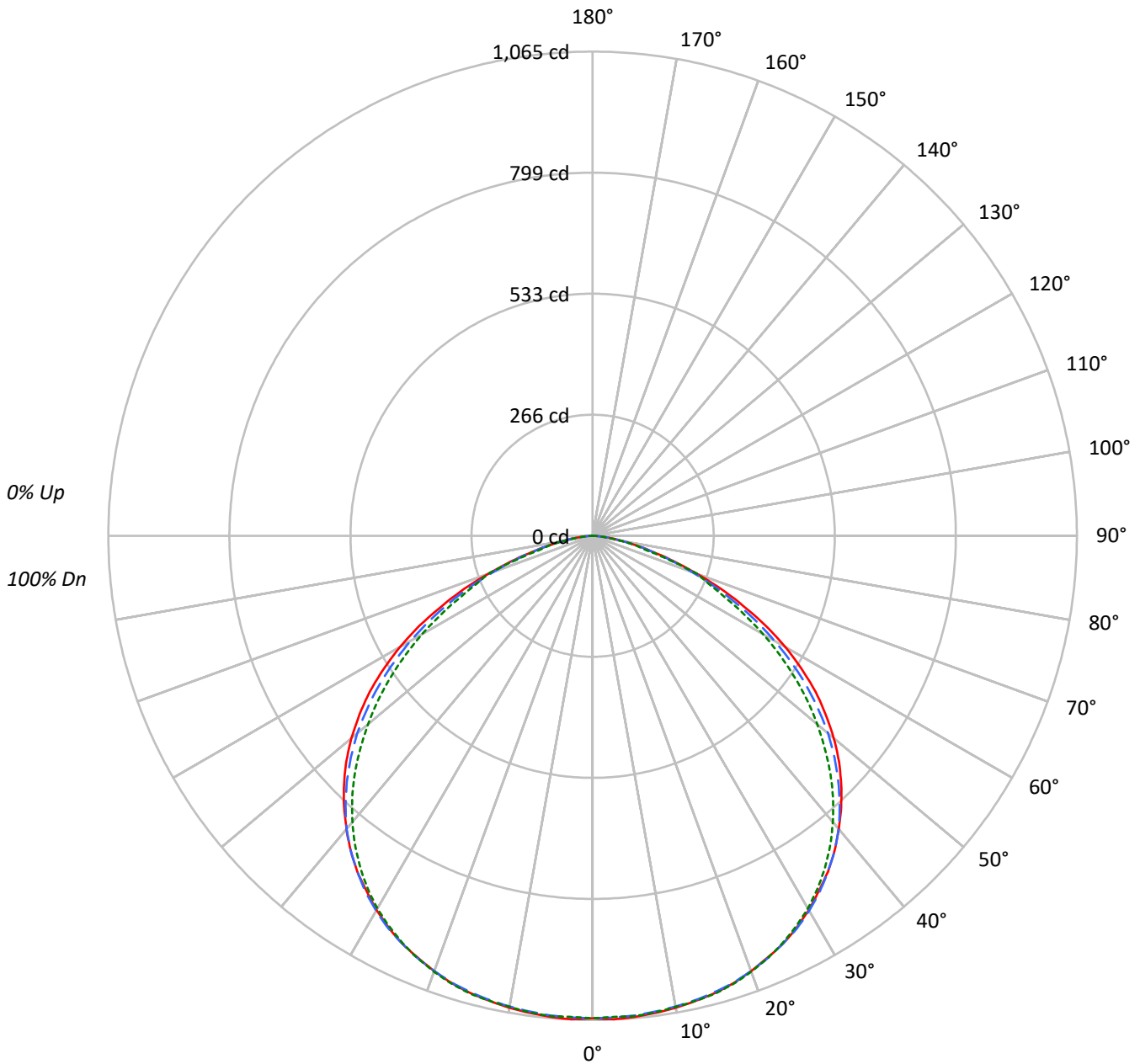
Test Method: LM-79-08  
Report Number: P505883  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PW1-L840  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3022.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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									
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°	2855	2855	2855
5°	2870	2861	2865
10°	2881	2873	2875
15°	2901	2894	2904
20°	2918	2917	2922
25°	2940	2940	2935
30°	2954	2960	2941
35°	2963	2963	2926
40°	2958	2956	2887
45°	2943	2908	2815
50°	2898	2828	2699
55°	2808	2690	2544
60°	2631	2486	2331
65°	2330	2196	2051
70°	1902	1817	1916
75°	1435	1410	1266
80°	1032	967	967
85°	648	611	537



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.9	3.3
10°-20°	293.7	9.7
20°-30°	456.0	15.1
30°-40°	561.6	18.6
40°-50°	584.7	19.3
50°-60°	508.5	16.8
60°-70°	341.6	11.3
70°-80°	147.9	4.9
80°-90°	27.2	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°	850.6	28.1
0°-40°	1412.2	46.7
0°-60°	2505.3	82.9
0°-90°	3022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3022.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1062	1056	1059	1062	1060	101
15°	1041	1034	1039	1042	1042	294
25°	990	986	990	990	988	456
35°	902	900	902	894	891	564
45°	773	771	764	747	740	596
55°	599	588	573	551	542	532
65°	366	359	345	329	322	362
75°	138	139	136	139	122	152
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°	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1064.7	1058.1	1060.5	1064.1	1059.3
5°	1062.3	1055.7	1059.3	1061.7	1060.5
7.5°	1058.7	1053.9	1055.7	1058.1	1057.5
10°	1054.5	1049.7	1051.5	1053.9	1052.1
12.5°	1047.9	1042.5	1046.1	1048.5	1047.9
15°	1041.3	1034.1	1038.9	1042.5	1042.5
17.5°	1031.7	1025.7	1030.5	1033.5	1032.9
20°	1019.1	1014.9	1018.5	1020.9	1020.3
22.5°	1004.7	1001.7	1005.9	1005.9	1005.9
25°	990.3	985.5	990.3	990.3	988.5
27.5°	971.7	967.5	973.5	971.7	968.7
30°	950.7	948.3	952.5	949.5	946.5
32.5°	926.1	924.9	929.1	923.1	920.7
35°	902.1	899.7	902.1	894.3	890.7
37.5°	873.9	871.5	873.9	863.7	858.3
40°	842.2	840.4	841.6	828.4	821.8
42.5°	809.2	807.4	804.4	788.2	782.8
45°	773.2	770.8	764.2	746.8	739.6
47.5°	734.8	730.6	721.0	702.4	692.8
50°	692.2	686.2	675.4	655.0	644.8
52.5°	646.0	638.8	625.0	604.6	595.0
55°	598.6	587.8	573.4	550.6	542.2
57.5°	544.6	533.2	518.2	497.3	487.7
60°	488.9	477.5	461.9	442.7	433.1
62.5°	429.5	419.3	403.7	385.7	377.3
65°	365.9	359.3	344.9	328.7	322.1
67.5°	305.9	299.3	287.3	273.5	275.9
70°	241.7	241.1	230.9	221.3	243.5
72.5°	188.3	187.1	181.7	176.9	175.7
75°	138.0	139.2	135.6	138.6	121.8
77.5°	97.2	98.4	97.8	89.4	93.6
80°	66.6	66.6	62.4	59.4	62.4
82.5°	40.2	48.0	43.2	35.4	34.2
85°	21.0	21.6	19.8	17.4	17.4
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)