

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: P505886

Luminaire Tested: **14PD-30-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505886  
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-L930  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

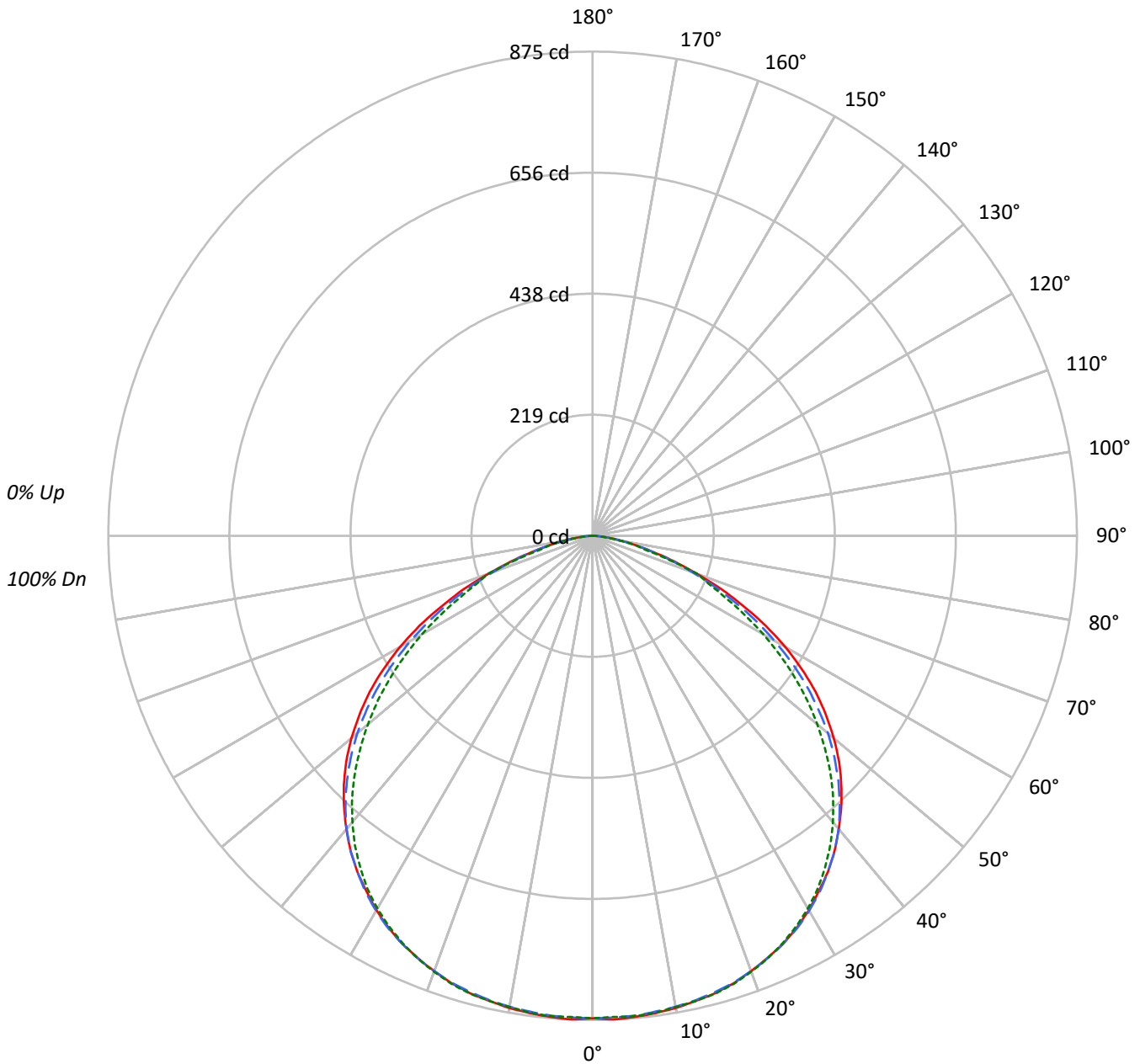
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2483.3 lumens  
Efficiency: N/A  
Efficacy: 92.0 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				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			100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

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

	0°	45°	90°
0°	2346	2346	2346
5°	2358	2351	2354
10°	2368	2361	2363
15°	2384	2378	2387
20°	2398	2397	2401
25°	2416	2416	2412
30°	2428	2432	2417
35°	2435	2435	2405
40°	2431	2429	2372
45°	2418	2390	2313
50°	2381	2323	2218
55°	2308	2211	2091
60°	2162	2042	1915
65°	1915	1805	1685
70°	1563	1493	1574
75°	1179	1158	1041
80°	848	795	795
85°	534	503	442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	3.3
10°-20°	241.4	9.7
20°-30°	374.7	15.1
30°-40°	461.5	18.6
40°-50°	480.5	19.3
50°-60°	417.8	16.8
60°-70°	280.7	11.3
70°-80°	121.5	4.9
80°-90°	22.3	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°	699.0	28.1
0°-40°	1160.5	46.7
0°-60°	2058.8	82.9
0°-90°	2483.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2483.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	873	868	870	872	872	83
15°	856	850	854	857	857	242
25°	814	810	814	814	812	375
35°	741	739	741	735	732	463
45°	635	633	628	614	608	489
55°	492	483	471	452	446	437
65°	301	295	283	270	265	298
75°	113	114	111	114	100	125
85°	17	18	16	14	14	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	871.9	871.9	871.9	871.9	871.9
2.5°	874.9	869.5	871.5	874.4	870.5
5°	872.9	867.5	870.5	872.4	871.5
7.5°	870.0	866.0	867.5	869.5	869.0
10°	866.5	862.6	864.1	866.0	864.6
12.5°	861.1	856.7	859.6	861.6	861.1
15°	855.7	849.8	853.7	856.7	856.7
17.5°	847.8	842.9	846.8	849.3	848.8
20°	837.4	834.0	837.0	838.9	838.4
22.5°	825.6	823.1	826.6	826.6	826.6
25°	813.8	809.8	813.8	813.8	812.3
27.5°	798.5	795.1	800.0	798.5	796.0
30°	781.3	779.3	782.7	780.3	777.8
32.5°	761.0	760.1	763.5	758.6	756.6
35°	741.3	739.4	741.3	734.9	732.0
37.5°	718.2	716.2	718.2	709.8	705.3
40°	692.0	690.6	691.5	680.7	675.3
42.5°	664.9	663.4	661.0	647.7	643.2
45°	635.4	633.4	628.0	613.7	607.8
47.5°	603.8	600.4	592.5	577.2	569.3
50°	568.8	563.9	555.0	538.3	529.9
52.5°	530.9	524.9	513.6	496.8	489.0
55°	491.9	483.0	471.2	452.5	445.6
57.5°	447.6	438.2	425.9	408.6	400.7
60°	401.7	392.4	379.5	363.8	355.9
62.5°	352.9	344.5	331.7	316.9	310.0
65°	300.7	295.2	283.4	270.1	264.7
67.5°	251.4	246.0	236.1	224.8	226.7
70°	198.6	198.1	189.8	181.9	200.1
72.5°	154.8	153.8	149.3	145.4	144.4
75°	113.4	114.4	111.4	113.9	100.1
77.5°	79.9	80.8	80.3	73.4	76.9
80°	54.7	54.7	51.3	48.8	51.3
82.5°	33.0	39.4	35.5	29.1	28.1
85°	17.3	17.7	16.3	14.3	14.3
87.5°	6.4	7.4	6.4	5.9	5.4
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)