

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: P506156

Luminaire Tested: **14PD-80-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506156  
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-80-PW1-L930  
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

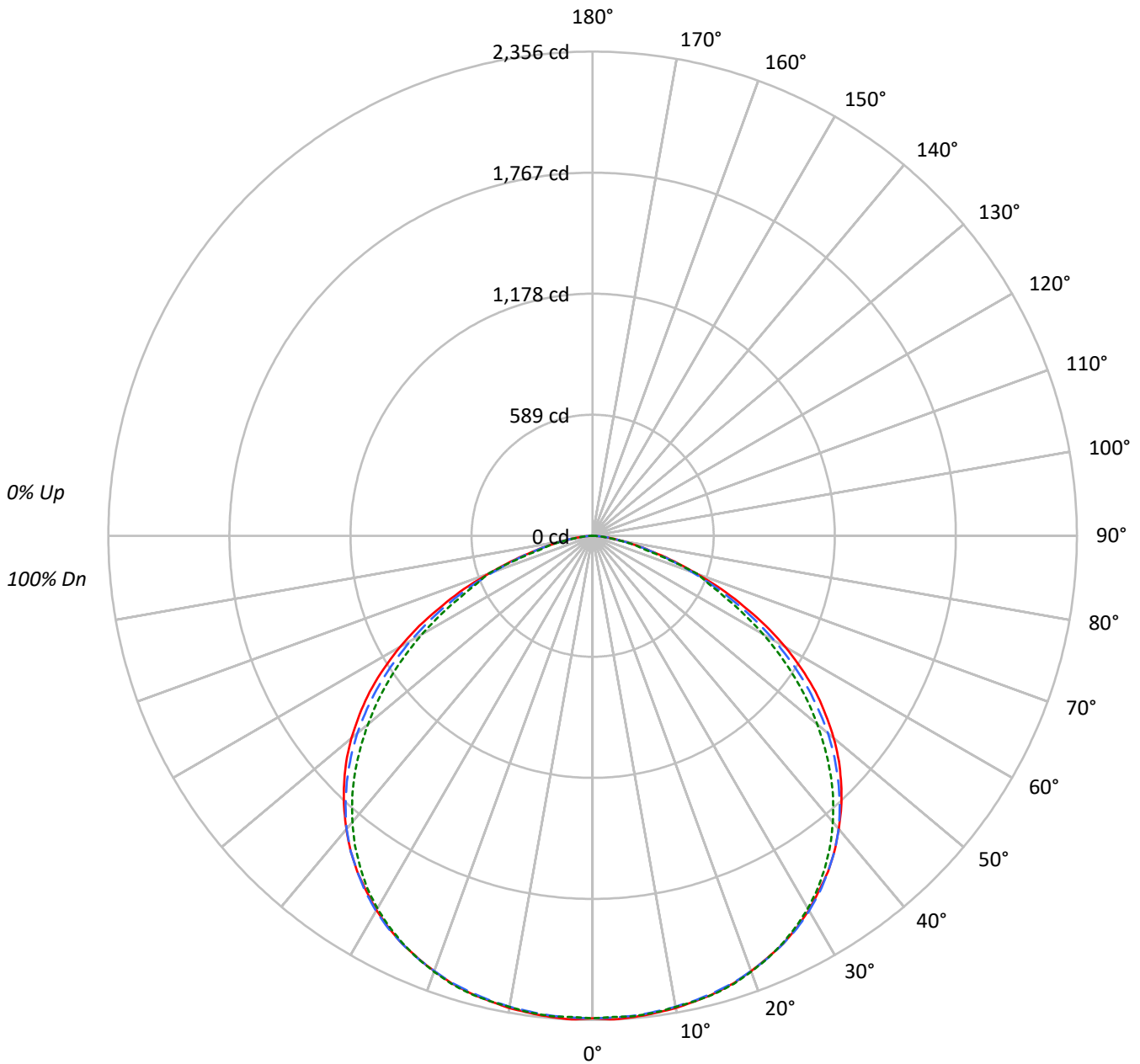
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6686.1 lumens  
Efficiency: N/A  
Efficacy: 79.2 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): 84.4  
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°	6318	6318	6318
5°	6349	6331	6338
10°	6375	6357	6361
15°	6418	6404	6426
20°	6457	6453	6464
25°	6506	6506	6494
30°	6536	6549	6507
35°	6557	6557	6474
40°	6545	6541	6387
45°	6510	6434	6227
50°	6412	6256	5972
55°	6214	5952	5628
60°	5821	5500	5157
65°	5154	4859	4538
70°	4208	4020	4239
75°	3173	3118	2801
80°	2283	2139	2139
85°	1433	1352	1189



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.2	3.3
10°-20°	649.9	9.7
20°-30°	1008.8	15.1
30°-40°	1242.6	18.6
40°-50°	1293.6	19.3
50°-60°	1125.0	16.8
60°-70°	755.8	11.3
70°-80°	327.1	4.9
80°-90°	60.1	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°	1881.9	28.1
0°-40°	3124.5	46.7
0°-60°	5543.1	82.9
0°-90°	6686.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6686.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2350	2336	2344	2349	2346	224
15°	2304	2288	2299	2306	2306	651
25°	2191	2180	2191	2191	2187	1010
35°	1996	1991	1996	1979	1971	1248
45°	1711	1705	1691	1652	1636	1318
55°	1324	1301	1269	1218	1200	1177
65°	810	795	763	727	713	802
75°	305	308	300	307	269	336
85°	46	48	44	38	38	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2347.7	2347.7	2347.7	2347.7	2347.7
2.5°	2355.6	2341.0	2346.3	2354.3	2343.7
5°	2350.3	2335.7	2343.7	2349.0	2346.3
7.5°	2342.3	2331.7	2335.7	2341.0	2339.7
10°	2333.1	2322.4	2326.4	2331.7	2327.8
12.5°	2318.5	2306.5	2314.5	2319.8	2318.5
15°	2303.9	2287.9	2298.6	2306.5	2306.5
17.5°	2282.6	2269.4	2280.0	2286.6	2285.3
20°	2254.8	2245.5	2253.4	2258.7	2257.4
22.5°	2222.9	2216.3	2225.6	2225.6	2225.6
25°	2191.1	2180.4	2191.1	2191.1	2187.1
27.5°	2149.9	2140.6	2153.9	2149.9	2143.3
30°	2103.5	2098.2	2107.5	2100.8	2094.2
32.5°	2049.1	2046.4	2055.7	2042.4	2037.1
35°	1996.0	1990.7	1996.0	1978.7	1970.8
37.5°	1933.6	1928.3	1933.6	1911.0	1899.1
40°	1863.3	1859.3	1861.9	1832.7	1818.1
42.5°	1790.3	1786.3	1779.7	1743.8	1731.9
45°	1710.6	1705.3	1690.7	1652.3	1636.3
47.5°	1625.7	1616.4	1595.2	1554.0	1532.8
50°	1531.5	1518.2	1494.3	1449.2	1426.6
52.5°	1429.3	1413.4	1382.8	1337.7	1316.5
55°	1324.5	1300.6	1268.7	1218.3	1199.7
57.5°	1205.0	1179.8	1146.6	1100.2	1078.9
60°	1081.6	1056.4	1021.9	979.4	958.2
62.5°	950.2	927.6	893.1	853.3	834.8
65°	809.5	794.9	763.1	727.3	712.7
67.5°	676.8	662.2	635.7	605.2	610.5
70°	534.8	533.5	510.9	489.7	538.8
72.5°	416.7	414.1	402.1	391.5	388.8
75°	305.2	307.9	299.9	306.6	269.4
77.5°	215.0	217.6	216.3	197.7	207.0
80°	147.3	147.3	138.0	131.4	138.0
82.5°	88.9	106.2	95.6	78.3	75.6
85°	46.4	47.8	43.8	38.5	38.5
87.5°	17.3	19.9	17.3	15.9	14.6
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)