

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: P506043

Luminaire Tested: **14PD-60-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

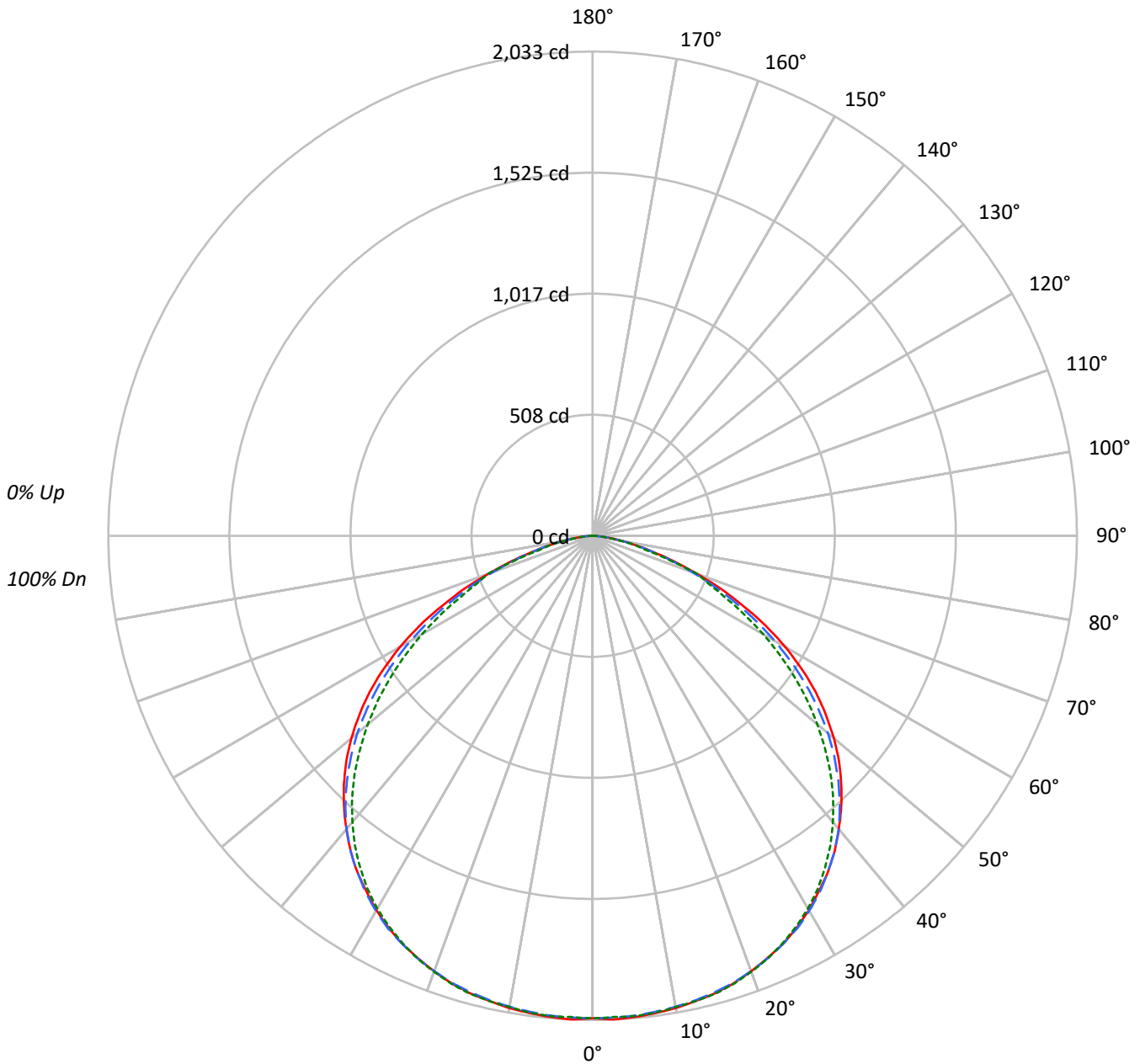
Test Method: LM-79-08  
Report Number: P506043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PW1-L830  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5770.5 lumens  
Efficiency: N/A  
Efficacy: 97.3 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): 59.3  
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°	5452	5452	5452
5°	5480	5464	5470
10°	5502	5487	5490
15°	5539	5527	5546
20°	5573	5570	5579
25°	5615	5615	5605
30°	5641	5652	5616
35°	5659	5659	5588
40°	5649	5645	5512
45°	5619	5553	5375
50°	5534	5399	5155
55°	5363	5137	4858
60°	5024	4746	4451
65°	4449	4194	3917
70°	3632	3470	3659
75°	2739	2692	2417
80°	1970	1846	1846
85°	1238	1167	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.7	3.3
10°-20°	560.9	9.7
20°-30°	870.7	15.1
30°-40°	1072.4	18.6
40°-50°	1116.5	19.3
50°-60°	970.9	16.8
60°-70°	652.3	11.3
70°-80°	282.3	4.9
80°-90°	51.8	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°	1624.2	28.1
0°-40°	2696.7	46.7
0°-60°	4784.1	82.9
0°-90°	5770.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5770.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2026	2026	2026	2026	2026	
5°	2028	2016	2023	2027	2025	193
15°	1988	1975	1984	1991	1991	562
25°	1891	1882	1891	1891	1888	871
35°	1723	1718	1723	1708	1701	1077
45°	1476	1472	1459	1426	1412	1137
55°	1143	1122	1095	1052	1035	1016
65°	699	686	659	628	615	692
75°	263	266	259	265	232	290
85°	40	41	38	33	33	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2026.2	2026.2	2026.2	2026.2	2026.2
2.5°	2033.1	2020.5	2025.0	2031.9	2022.8
5°	2028.5	2015.9	2022.8	2027.3	2025.0
7.5°	2021.6	2012.4	2015.9	2020.5	2019.3
10°	2013.6	2004.4	2007.9	2012.4	2009.0
12.5°	2001.0	1990.7	1997.6	2002.1	2001.0
15°	1988.4	1974.6	1983.8	1990.7	1990.7
17.5°	1970.1	1958.6	1967.8	1973.5	1972.4
20°	1946.0	1938.0	1944.9	1949.5	1948.3
22.5°	1918.5	1912.8	1920.8	1920.8	1920.8
25°	1891.0	1881.9	1891.0	1891.0	1887.6
27.5°	1855.5	1847.5	1859.0	1855.5	1849.8
30°	1815.4	1810.9	1818.9	1813.1	1807.4
32.5°	1768.5	1766.2	1774.2	1762.8	1758.2
35°	1722.7	1718.1	1722.7	1707.8	1700.9
37.5°	1668.8	1664.2	1668.8	1649.4	1639.1
40°	1608.1	1604.7	1607.0	1581.8	1569.2
42.5°	1545.1	1541.7	1536.0	1505.0	1494.7
45°	1476.4	1471.8	1459.2	1426.0	1412.3
47.5°	1403.1	1395.1	1376.8	1341.2	1322.9
50°	1321.8	1310.3	1289.7	1250.8	1231.3
52.5°	1233.6	1219.8	1193.5	1154.6	1136.2
55°	1143.1	1122.5	1095.0	1051.5	1035.4
57.5°	1040.0	1018.2	989.6	949.5	931.2
60°	933.5	911.7	881.9	845.3	827.0
62.5°	820.1	800.6	770.8	736.5	720.4
65°	698.7	686.1	658.6	627.7	615.1
67.5°	584.1	571.5	548.6	522.3	526.9
70°	461.6	460.4	441.0	422.6	465.0
72.5°	359.7	357.4	347.1	337.9	335.6
75°	263.4	265.7	258.9	264.6	232.5
77.5°	185.6	187.8	186.7	170.7	178.7
80°	127.1	127.1	119.1	113.4	119.1
82.5°	76.7	91.6	82.5	67.6	65.3
85°	40.1	41.2	37.8	33.2	33.2
87.5°	14.9	17.2	14.9	13.7	12.6
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)