

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: P506736

Luminaire Tested: **24PD-60-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PR1-L830  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

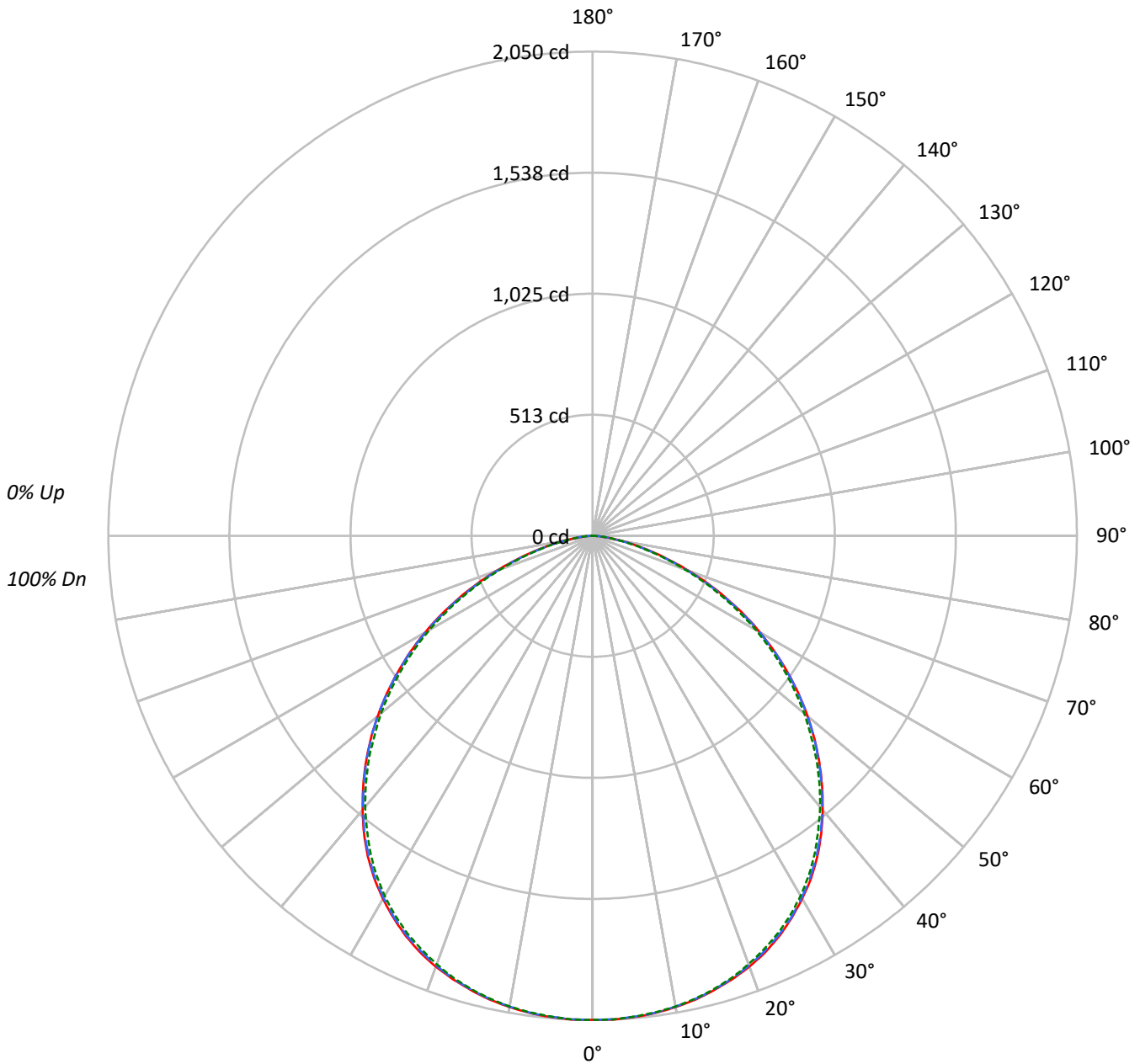
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5518.0 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.9  
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

TEST NUMBER: P506736

CATALOG NUMBER: 24PD-60-PR1-L830

### 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	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	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	2758	2758	2758
5°	2763	2761	2760
10°	2768	2766	2765
15°	2774	2770	2767
20°	2779	2773	2764
25°	2776	2769	2757
30°	2758	2750	2735
35°	2724	2715	2694
40°	2661	2654	2631
45°	2582	2578	2549
50°	2487	2485	2448
55°	2364	2359	2315
60°	2204	2195	2145
65°	1985	1962	1916
70°	1695	1670	1628
75°	1340	1310	1279
80°	951	927	898
85°	573	556	539



TEST NUMBER: P506736

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.5	3.5
10°-20°	561.7	10.2
20°-30°	858.6	15.6
30°-40°	1031.1	18.7
40°-50°	1042.0	18.9
50°-60°	895.4	16.2
60°-70°	610.7	11.1
70°-80°	274.6	5.0
80°-90°	49.4	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°	1614.8	29.3
0°-40°	2645.9	48.0
0°-60°	4583.3	83.1
0°-90°	5518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2050	2050	2050	2050	2050	
5°	2045	2045	2044	2043	2043	195
15°	1991	1991	1989	1987	1987	563
25°	1870	1870	1865	1858	1857	861
35°	1658	1658	1653	1643	1640	1035
45°	1357	1361	1355	1346	1340	1046
55°	1008	1012	1006	997	987	899
65°	624	627	616	612	602	617
75°	258	260	252	250	246	279
85°	37	38	36	36	35	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2049.6	2049.6	2049.6	2049.6	2049.6
2.5°	2050.2	2049.6	2049.1	2048.0	2049.6
5°	2045.4	2044.9	2044.3	2043.3	2043.3
7.5°	2038.0	2036.9	2036.9	2035.3	2034.8
10°	2026.3	2025.8	2024.2	2024.2	2023.7
12.5°	2011.5	2010.5	2008.9	2008.3	2007.3
15°	1991.4	1990.9	1988.8	1987.2	1986.6
17.5°	1968.6	1967.1	1965.5	1961.8	1961.8
20°	1941.1	1940.1	1936.4	1932.6	1930.5
22.5°	1909.4	1907.2	1903.0	1899.3	1895.1
25°	1870.2	1869.7	1864.9	1858.5	1857.0
27.5°	1824.7	1825.7	1821.0	1814.6	1811.4
30°	1774.9	1777.0	1770.1	1762.2	1760.6
32.5°	1720.4	1720.9	1715.1	1706.6	1703.4
35°	1658.4	1658.4	1653.2	1643.1	1639.9
37.5°	1589.6	1589.1	1585.9	1574.3	1568.5
40°	1515.0	1517.6	1511.3	1500.7	1498.1
42.5°	1437.7	1440.9	1435.1	1426.1	1420.2
45°	1357.2	1361.0	1355.1	1345.6	1339.8
47.5°	1274.1	1276.8	1272.6	1260.4	1252.4
50°	1187.9	1193.1	1187.3	1174.6	1169.3
52.5°	1098.9	1104.7	1097.9	1088.3	1078.3
55°	1007.9	1011.6	1005.8	996.8	986.7
57.5°	914.2	921.6	912.1	901.5	893.0
60°	818.9	825.3	815.7	806.2	797.2
62.5°	722.0	726.3	715.7	709.9	699.3
65°	623.6	626.7	616.2	611.9	601.9
67.5°	526.2	528.8	518.8	512.9	507.1
70°	430.9	433.0	424.5	419.2	413.9
72.5°	340.9	341.4	333.5	331.9	325.5
75°	257.8	259.9	252.0	250.4	246.1
77.5°	185.3	185.8	180.5	179.4	175.7
80°	122.8	123.3	119.6	119.1	115.9
82.5°	74.1	74.6	71.5	71.5	69.3
85°	37.1	37.6	36.0	36.0	34.9
87.5°	12.7	13.2	12.7	12.7	12.2
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)