

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: P506323

Luminaire Tested: **22PD-50-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-50-PL1-L835  
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

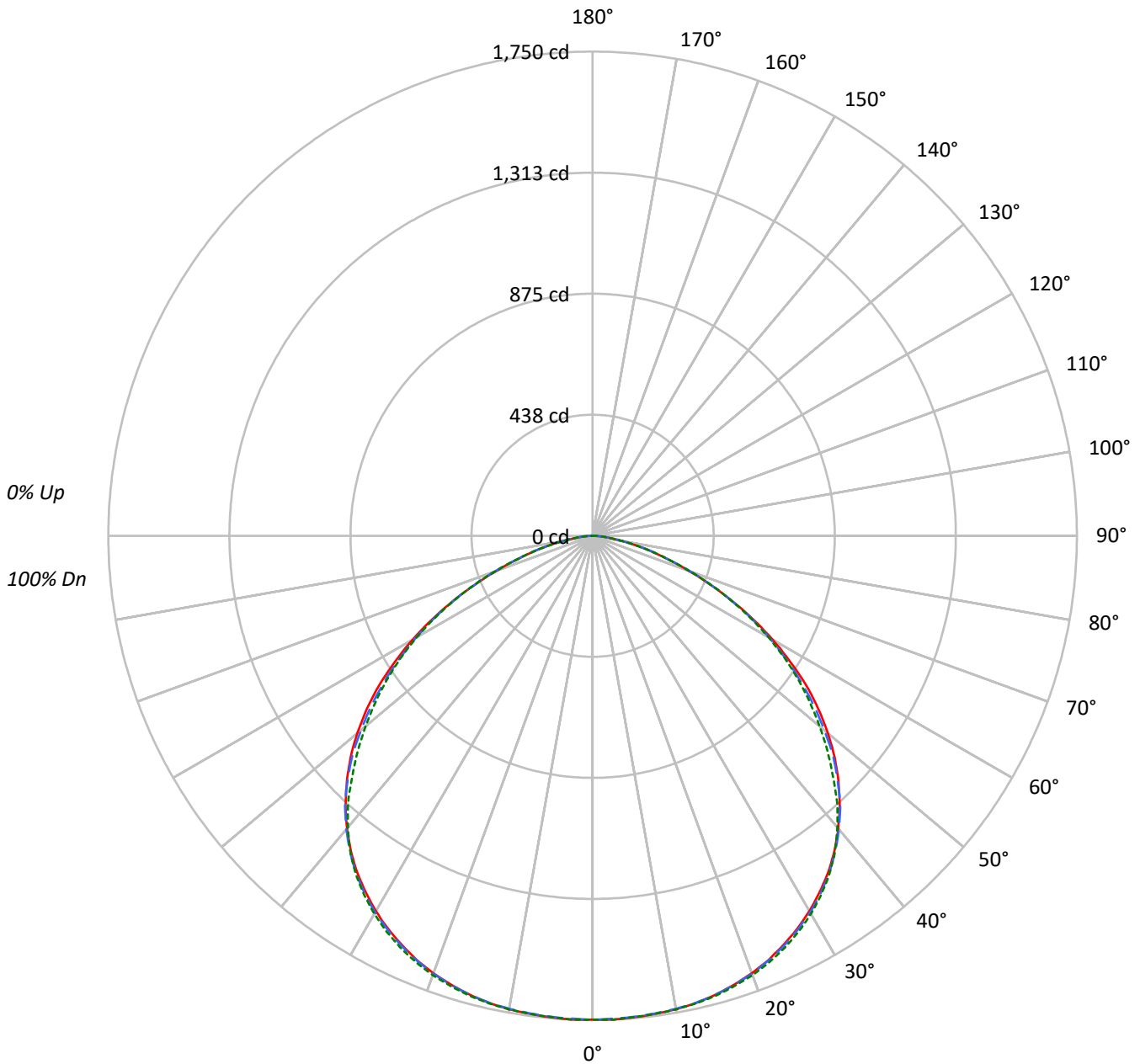
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4953.9 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.9  
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

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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					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								
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	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61								
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52								
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35								
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31								
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25								

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

	0°	45°	90°
0°	4707	4707	4707
5°	4719	4715	4716
10°	4749	4744	4749
15°	4783	4783	4793
20°	4818	4823	4839
25°	4844	4855	4879
30°	4868	4883	4903
35°	4876	4892	4902
40°	4850	4863	4833
45°	4781	4767	4671
50°	4646	4574	4481
55°	4420	4308	4259
60°	4047	3971	3948
65°	3529	3521	3510
70°	2893	2941	2932
75°	2293	2331	2293
80°	1680	1671	1661
85°	1121	1102	1179



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	3.4
10°-20°	485.3	9.8
20°-30°	754.3	15.2
30°-40°	929.9	18.8
40°-50°	960.5	19.4
50°-60°	821.9	16.6
60°-70°	548.5	11.1
70°-80°	240.7	4.9
80°-90°	46.5	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°	1405.9	28.4
0°-40°	2335.8	47.2
0°-60°	4118.1	83.1
0°-90°	4953.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4953.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1749	1749	1749	1749	1749	
5°	1747	1745	1745	1744	1746	166
15°	1717	1715	1717	1718	1721	485
25°	1631	1631	1635	1640	1643	753
35°	1484	1484	1489	1492	1492	927
45°	1256	1256	1253	1241	1227	967
55°	942	930	918	913	908	837
65°	554	553	553	555	551	550
75°	220	219	224	223	220	239
85°	36	36	36	37	38	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1749.0	1749.0	1749.0	1749.0	1749.0
2.5°	1750.2	1747.7	1747.1	1747.1	1750.2
5°	1747.1	1744.7	1745.3	1744.1	1745.9
7.5°	1742.8	1740.4	1741.0	1740.4	1742.8
10°	1737.9	1735.4	1736.0	1735.4	1737.9
12.5°	1729.3	1727.4	1728.7	1729.3	1731.1
15°	1717.0	1715.1	1717.0	1718.2	1720.6
17.5°	1700.9	1699.7	1701.6	1703.4	1706.5
20°	1682.5	1681.2	1684.3	1686.2	1689.9
22.5°	1659.7	1658.4	1661.5	1665.8	1668.3
25°	1631.4	1631.4	1635.0	1640.0	1643.1
27.5°	1601.2	1600.6	1604.9	1609.8	1612.9
30°	1566.7	1565.5	1571.6	1575.9	1577.8
32.5°	1526.7	1527.3	1532.8	1537.1	1537.7
35°	1484.2	1484.2	1489.1	1492.2	1492.2
37.5°	1435.5	1434.9	1439.8	1441.1	1439.2
40°	1380.7	1381.3	1384.4	1383.8	1375.8
42.5°	1321.6	1322.2	1324.7	1316.0	1308.0
45°	1256.3	1255.7	1252.6	1240.9	1227.4
47.5°	1186.7	1183.6	1178.7	1160.9	1151.0
50°	1109.7	1104.8	1092.5	1078.3	1070.3
52.5°	1028.4	1019.8	1007.5	996.4	989.7
55°	942.2	930.5	918.2	913.3	907.7
57.5°	846.2	838.8	828.3	825.8	822.1
60°	751.9	743.9	737.8	737.8	733.5
62.5°	653.4	648.5	646.0	647.2	642.9
65°	554.3	553.0	553.0	554.9	551.2
67.5°	458.2	460.6	460.0	466.2	461.3
70°	367.7	372.0	373.8	380.0	372.6
72.5°	289.4	290.1	292.5	294.4	290.7
75°	220.5	218.6	224.2	222.9	220.5
77.5°	159.5	158.3	160.1	161.3	158.3
80°	108.4	107.2	107.8	109.6	107.2
82.5°	68.4	67.1	67.1	69.0	68.4
85°	36.3	35.7	35.7	37.0	38.2
87.5°	12.9	12.3	12.9	12.9	12.9
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)