

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: P505972

Luminaire Tested: **14PD-50-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-50-PL1-L835  
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

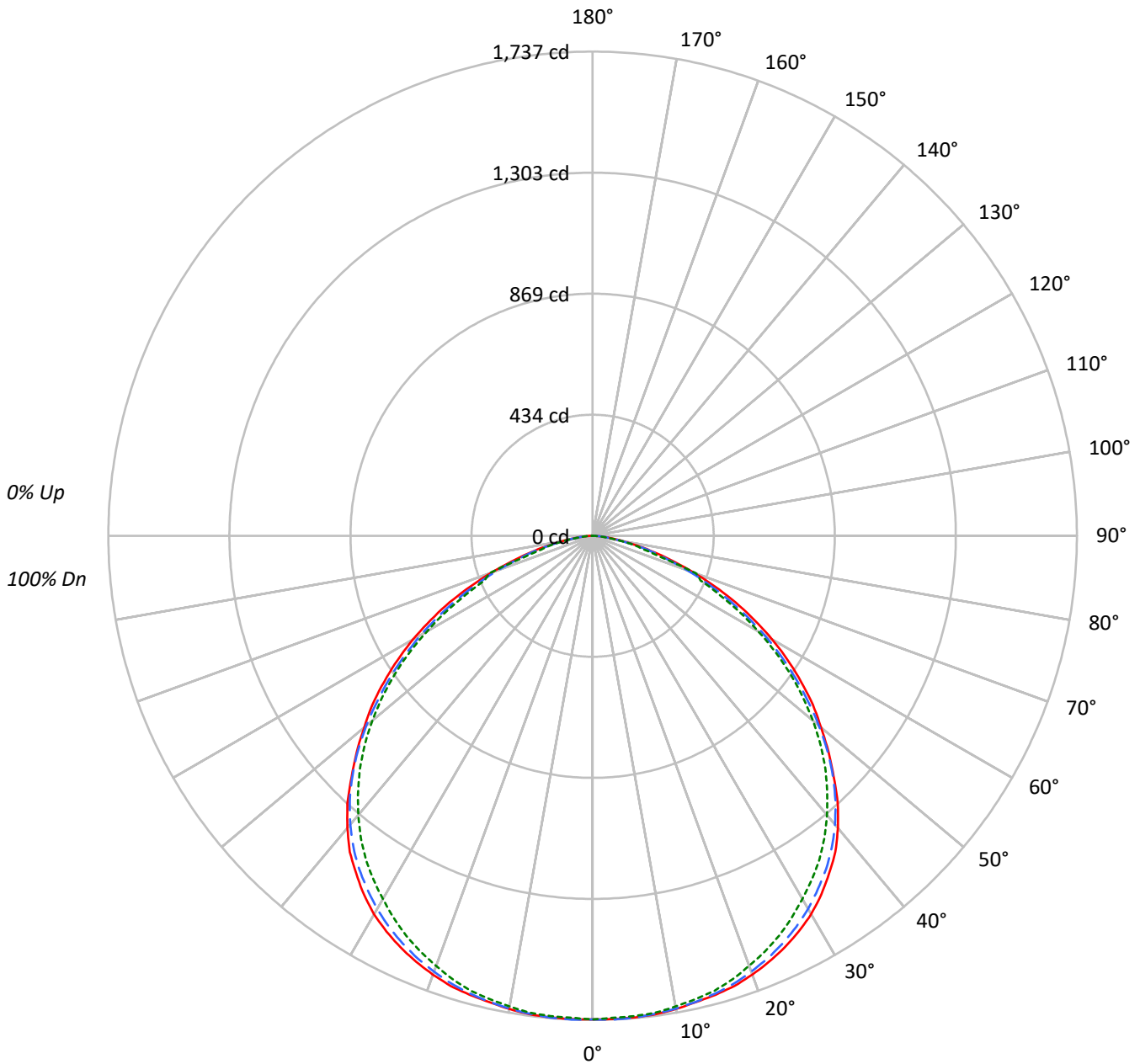
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4823.0 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 48.6  
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: P505972

CATALOG NUMBER: 14PD-50-PL1-L835

### 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	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	4670	4670	4670
5°	4685	4687	4672
10°	4711	4705	4685
15°	4749	4736	4707
20°	4798	4765	4702
25°	4838	4790	4700
30°	4871	4803	4676
35°	4859	4796	4658
40°	4807	4750	4593
45°	4653	4638	4489
50°	4476	4436	4317
55°	4283	4158	4064
60°	4000	3821	3693
65°	3605	3380	3198
70°	3014	2827	3104
75°	2378	2288	1982
80°	1712	1522	1551
85°	1090	911	852



TEST NUMBER: P505972

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.0	3.4
10°-20°	479.6	9.9
20°-30°	741.5	15.4
30°-40°	907.5	18.8
40°-50°	930.4	19.3
50°-60°	792.4	16.4
60°-70°	529.5	11.0
70°-80°	234.7	4.9
80°-90°	42.4	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°	1386.1	28.7
0°-40°	2293.6	47.6
0°-60°	4016.4	83.3
0°-90°	4823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4823.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1735	1735	1735	1735	1735	
5°	1734	1731	1735	1734	1730	165
15°	1705	1699	1700	1695	1690	482
25°	1630	1624	1613	1592	1583	751
35°	1479	1475	1460	1428	1418	925
45°	1223	1226	1219	1191	1180	944
55°	913	908	886	868	866	815
65°	566	561	531	507	502	558
75°	229	232	220	221	191	248
85°	35	34	30	29	28	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1735.3	1735.3	1735.3	1735.3	1735.3
2.5°	1735.3	1732.5	1737.2	1739.1	1730.6
5°	1734.4	1730.6	1735.3	1734.4	1729.6
7.5°	1731.5	1724.8	1729.6	1727.7	1725.8
10°	1723.9	1718.2	1722.0	1719.1	1714.4
12.5°	1713.4	1709.6	1712.4	1709.6	1702.9
15°	1704.8	1699.1	1700.1	1695.3	1689.6
17.5°	1693.4	1684.8	1684.8	1675.3	1668.6
20°	1675.3	1667.7	1663.8	1650.5	1641.9
22.5°	1654.3	1648.6	1641.0	1623.8	1614.3
25°	1629.5	1623.8	1613.3	1592.4	1582.8
27.5°	1601.0	1593.3	1581.9	1557.1	1545.7
30°	1567.6	1558.1	1545.7	1518.0	1504.7
32.5°	1526.6	1520.0	1503.8	1475.2	1462.8
35°	1479.0	1475.2	1459.9	1427.5	1418.0
37.5°	1430.4	1422.8	1409.4	1375.1	1365.6
40°	1368.4	1363.7	1352.2	1318.9	1307.4
42.5°	1301.7	1298.9	1289.3	1257.9	1245.5
45°	1222.6	1226.4	1218.8	1191.2	1179.7
47.5°	1147.3	1145.4	1142.6	1117.8	1108.3
50°	1069.2	1065.4	1059.7	1039.7	1031.1
52.5°	995.8	988.2	973.0	955.8	950.1
55°	912.9	908.2	886.2	868.1	866.2
57.5°	829.1	826.2	799.5	778.6	778.6
60°	743.3	739.5	709.9	688.0	686.1
62.5°	653.7	650.9	620.4	595.6	596.5
65°	566.1	561.3	530.8	507.0	502.2
67.5°	474.6	472.7	443.1	421.2	419.3
70°	383.1	383.1	359.3	340.2	394.5
72.5°	302.1	299.2	280.2	271.6	259.2
75°	228.7	231.6	220.1	221.1	190.6
77.5°	163.0	158.2	153.4	142.9	151.5
80°	110.5	107.7	98.2	95.3	100.1
82.5°	68.6	69.6	61.0	55.3	54.3
85°	35.3	34.3	29.5	28.6	27.6
87.5°	13.3	14.3	12.4	11.4	10.5
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)