

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: P506322

Luminaire Tested: **22PD-50-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506322
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-L830
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

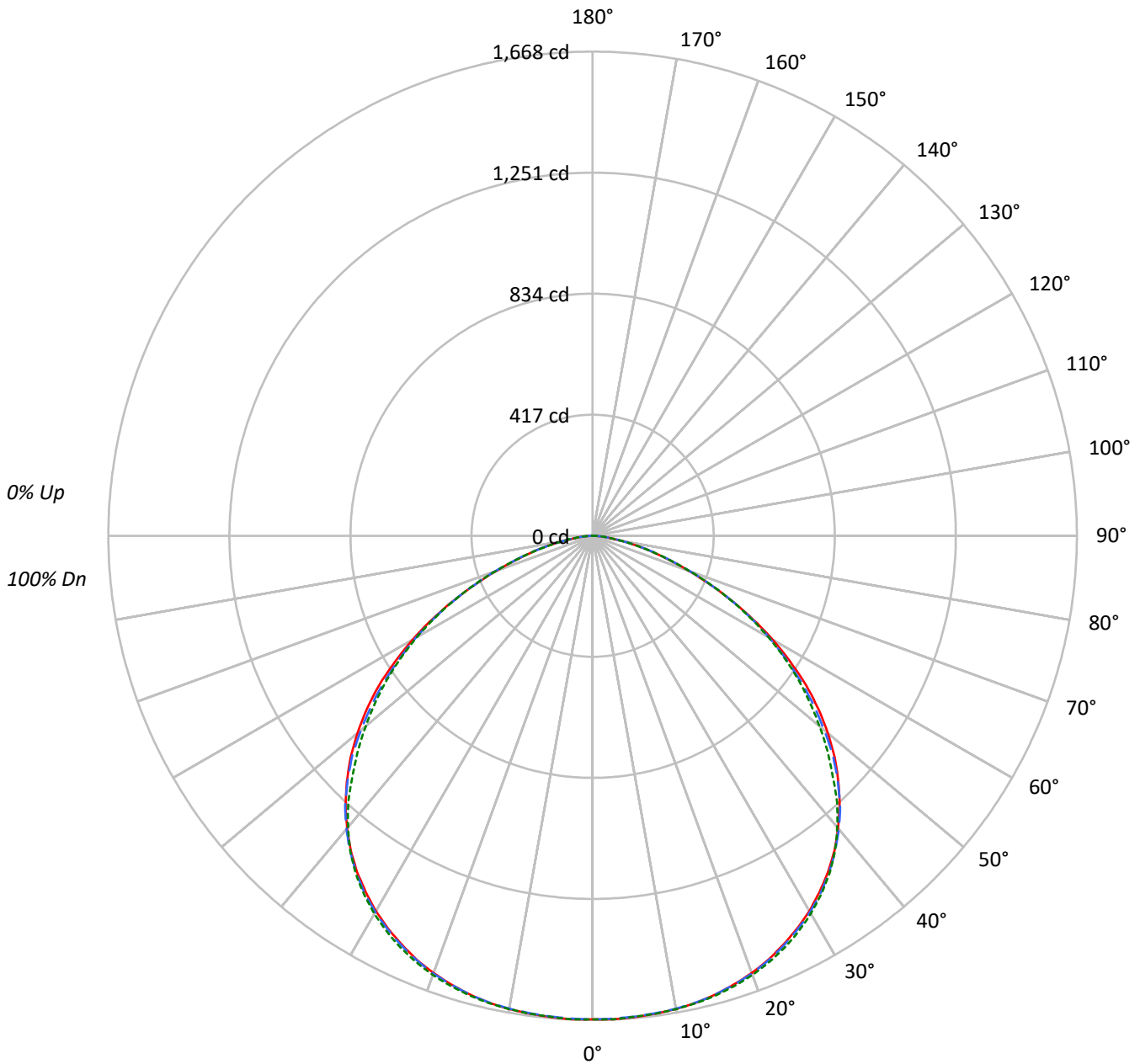
Lumens per Lamp: N/A
Luminaire Lumens: 4719.6 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	4484	4484	4484
5°	4496	4492	4493
10°	4524	4520	4524
15°	4557	4557	4567
20°	4590	4595	4611
25°	4615	4625	4648
30°	4638	4653	4671
35°	4645	4661	4670
40°	4621	4633	4604
45°	4555	4542	4450
50°	4426	4357	4269
55°	4212	4104	4057
60°	3856	3783	3761
65°	3362	3355	3344
70°	2756	2802	2793
75°	2183	2221	2183
80°	1601	1592	1582
85°	1068	1050	1124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	3.4
10°-20°	462.3	9.8
20°-30°	718.6	15.2
30°-40°	885.9	18.8
40°-50°	915.1	19.4
50°-60°	783.0	16.6
60°-70°	522.6	11.1
70°-80°	229.3	4.9
80°-90°	44.3	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°	1339.4	28.4
0°-40°	2225.3	47.2
0°-60°	3923.4	83.1
0°-90°	4719.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4719.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1666	1666	1666	1666	1666	
5°	1664	1662	1663	1662	1663	159
15°	1636	1634	1636	1637	1639	462
25°	1554	1554	1558	1562	1565	717
35°	1414	1414	1419	1422	1422	884
45°	1197	1196	1193	1182	1169	921
55°	898	886	875	870	865	798
65°	528	527	527	529	525	524
75°	210	208	214	212	210	228
85°	35	34	34	35	36	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1666.3	1666.3	1666.3	1666.3	1666.3
2.5°	1667.5	1665.1	1664.5	1664.5	1667.5
5°	1664.5	1662.2	1662.8	1661.6	1663.3
7.5°	1660.4	1658.1	1658.6	1658.1	1660.4
10°	1655.7	1653.4	1654.0	1653.4	1655.7
12.5°	1647.5	1645.7	1646.9	1647.5	1649.3
15°	1635.8	1634.0	1635.8	1636.9	1639.3
17.5°	1620.5	1619.3	1621.1	1622.9	1625.8
20°	1602.9	1601.7	1604.7	1606.4	1610.0
22.5°	1581.2	1580.0	1583.0	1587.1	1589.4
25°	1554.2	1554.2	1557.7	1562.4	1565.4
27.5°	1525.5	1524.9	1529.0	1533.7	1536.6
30°	1492.6	1491.4	1497.3	1501.4	1503.2
32.5°	1454.5	1455.1	1460.3	1464.4	1465.0
35°	1414.0	1414.0	1418.7	1421.6	1421.6
37.5°	1367.6	1367.1	1371.7	1372.9	1371.2
40°	1315.4	1316.0	1318.9	1318.4	1310.7
42.5°	1259.1	1259.7	1262.0	1253.8	1246.2
45°	1196.9	1196.3	1193.4	1182.2	1169.3
47.5°	1130.6	1127.7	1123.0	1106.0	1096.6
50°	1057.3	1052.6	1040.8	1027.3	1019.7
52.5°	979.8	971.6	959.9	949.3	942.9
55°	897.7	886.5	874.8	870.1	864.8
57.5°	806.1	799.1	789.1	786.8	783.3
60°	716.4	708.8	702.9	702.9	698.8
62.5°	622.5	617.8	615.5	616.6	612.5
65°	528.0	526.9	526.9	528.6	525.1
67.5°	436.5	438.9	438.3	444.1	439.5
70°	350.3	354.4	356.1	362.0	355.0
72.5°	275.8	276.3	278.7	280.5	276.9
75°	210.0	208.3	213.6	212.4	210.0
77.5°	152.0	150.8	152.5	153.7	150.8
80°	103.3	102.1	102.7	104.4	102.1
82.5°	65.1	64.0	64.0	65.7	65.1
85°	34.6	34.0	34.0	35.2	36.4
87.5°	12.3	11.7	12.3	12.3	12.3
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)