

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: P506325

Luminaire Tested: **22PD-50-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506325
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-L850
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

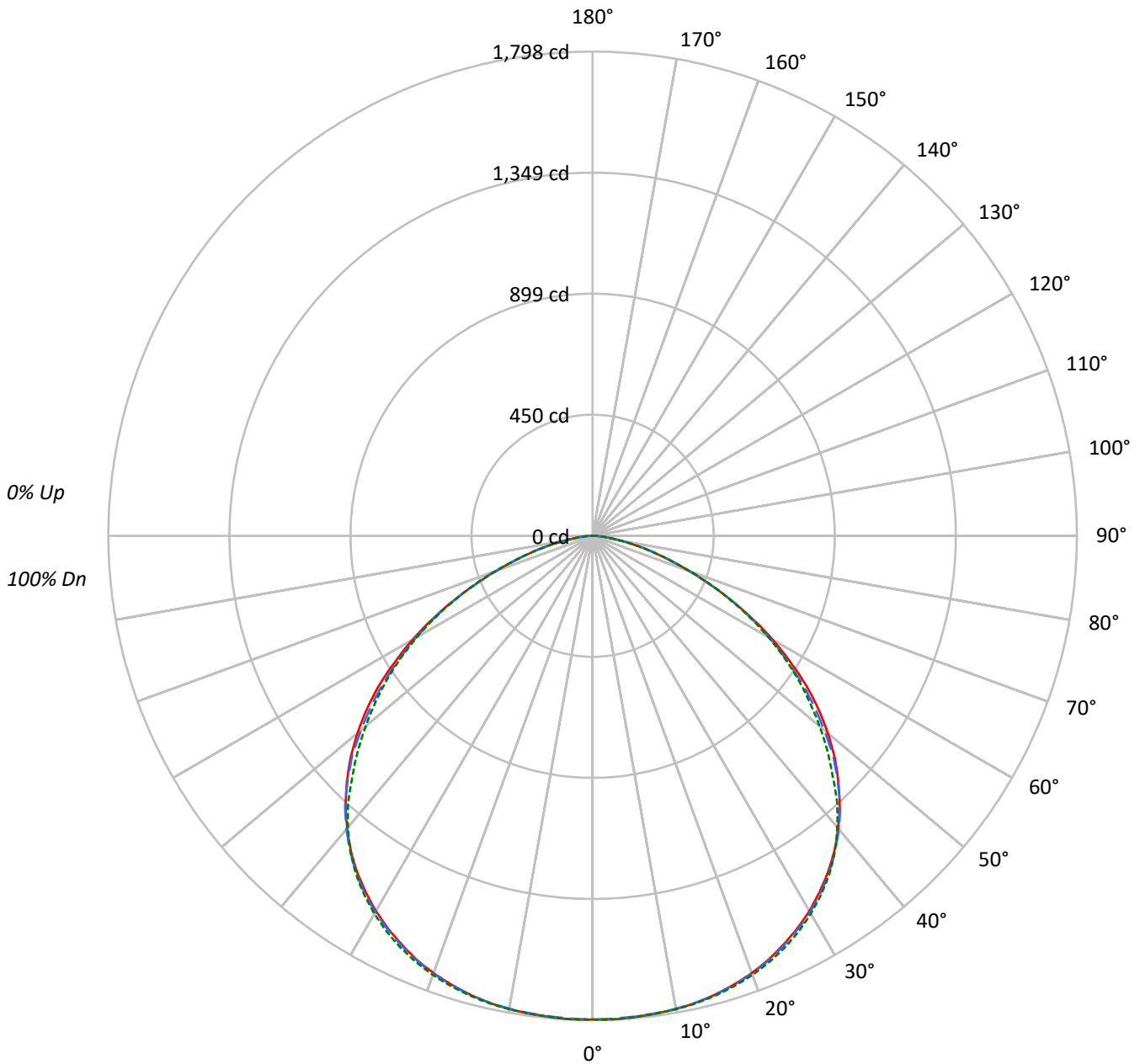
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5087.9 lumens
Efficiency: N/A
Efficacy: 121.4 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°	4834	4834	4834
5°	4847	4842	4844
10°	4877	4872	4877
15°	4913	4913	4923
20°	4948	4954	4970
25°	4975	4986	5010
30°	5000	5015	5035
35°	5007	5024	5034
40°	4982	4995	4964
45°	4910	4896	4797
50°	4772	4697	4602
55°	4540	4424	4374
60°	4156	4078	4054
65°	3624	3617	3605
70°	2971	3020	3011
75°	2354	2393	2354
80°	1725	1715	1706
85°	1152	1133	1210



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	3.4
10°-20°	498.4	9.8
20°-30°	774.7	15.2
30°-40°	955.0	18.8
40°-50°	986.5	19.4
50°-60°	844.1	16.6
60°-70°	563.4	11.1
70°-80°	247.2	4.9
80°-90°	47.8	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°	1443.9	28.4
0°-40°	2399.0	47.2
0°-60°	4229.5	83.1
0°-90°	5087.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5087.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1796	1796	1796	1796	1796	
5°	1794	1792	1792	1791	1793	171
15°	1763	1762	1763	1765	1767	498
25°	1676	1676	1679	1684	1688	773
35°	1524	1524	1529	1532	1532	953
45°	1290	1290	1286	1274	1261	993
55°	968	956	943	938	932	860
65°	569	568	568	570	566	565
75°	226	224	230	229	226	245
85°	37	37	37	38	39	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1796.3	1796.3	1796.3	1796.3	1796.3
2.5°	1797.5	1795.0	1794.4	1794.4	1797.5
5°	1794.4	1791.9	1792.5	1791.2	1793.1
7.5°	1790.0	1787.4	1788.1	1787.4	1790.0
10°	1784.9	1782.4	1783.0	1782.4	1784.9
12.5°	1776.0	1774.1	1775.4	1776.0	1777.9
15°	1763.4	1761.5	1763.4	1764.7	1767.2
17.5°	1747.0	1745.7	1747.6	1749.5	1752.6
20°	1728.0	1726.7	1729.9	1731.8	1735.6
22.5°	1704.6	1703.3	1706.5	1710.9	1713.4
25°	1675.5	1675.5	1679.3	1684.3	1687.5
27.5°	1644.5	1643.9	1648.3	1653.3	1656.5
30°	1609.1	1607.8	1614.1	1618.6	1620.5
32.5°	1568.0	1568.6	1574.3	1578.7	1579.3
35°	1524.3	1524.3	1529.4	1532.5	1532.5
37.5°	1474.3	1473.7	1478.8	1480.0	1478.1
40°	1418.1	1418.7	1421.8	1421.2	1413.0
42.5°	1357.3	1358.0	1360.5	1351.6	1343.4
45°	1290.3	1289.7	1286.5	1274.5	1260.6
47.5°	1218.8	1215.7	1210.6	1192.3	1182.1
50°	1139.8	1134.7	1122.0	1107.5	1099.3
52.5°	1056.3	1047.4	1034.8	1023.4	1016.4
55°	967.7	955.7	943.0	938.0	932.3
57.5°	869.0	861.5	850.7	848.2	844.4
60°	772.3	764.1	757.7	757.7	753.3
62.5°	671.1	666.0	663.5	664.8	660.3
65°	569.2	568.0	568.0	569.9	566.1
67.5°	470.6	473.1	472.5	478.8	473.7
70°	377.6	382.0	383.9	390.2	382.7
72.5°	297.3	297.9	300.4	302.3	298.5
75°	226.4	224.5	230.2	229.0	226.4
77.5°	163.8	162.6	164.4	165.7	162.6
80°	111.3	110.1	110.7	112.6	110.1
82.5°	70.2	68.9	68.9	70.8	70.2
85°	37.3	36.7	36.7	37.9	39.2
87.5°	13.3	12.6	13.3	13.3	13.3
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)