

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: P506343

Luminaire Tested: **22PD-50-PW1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-50-PW1-L850
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

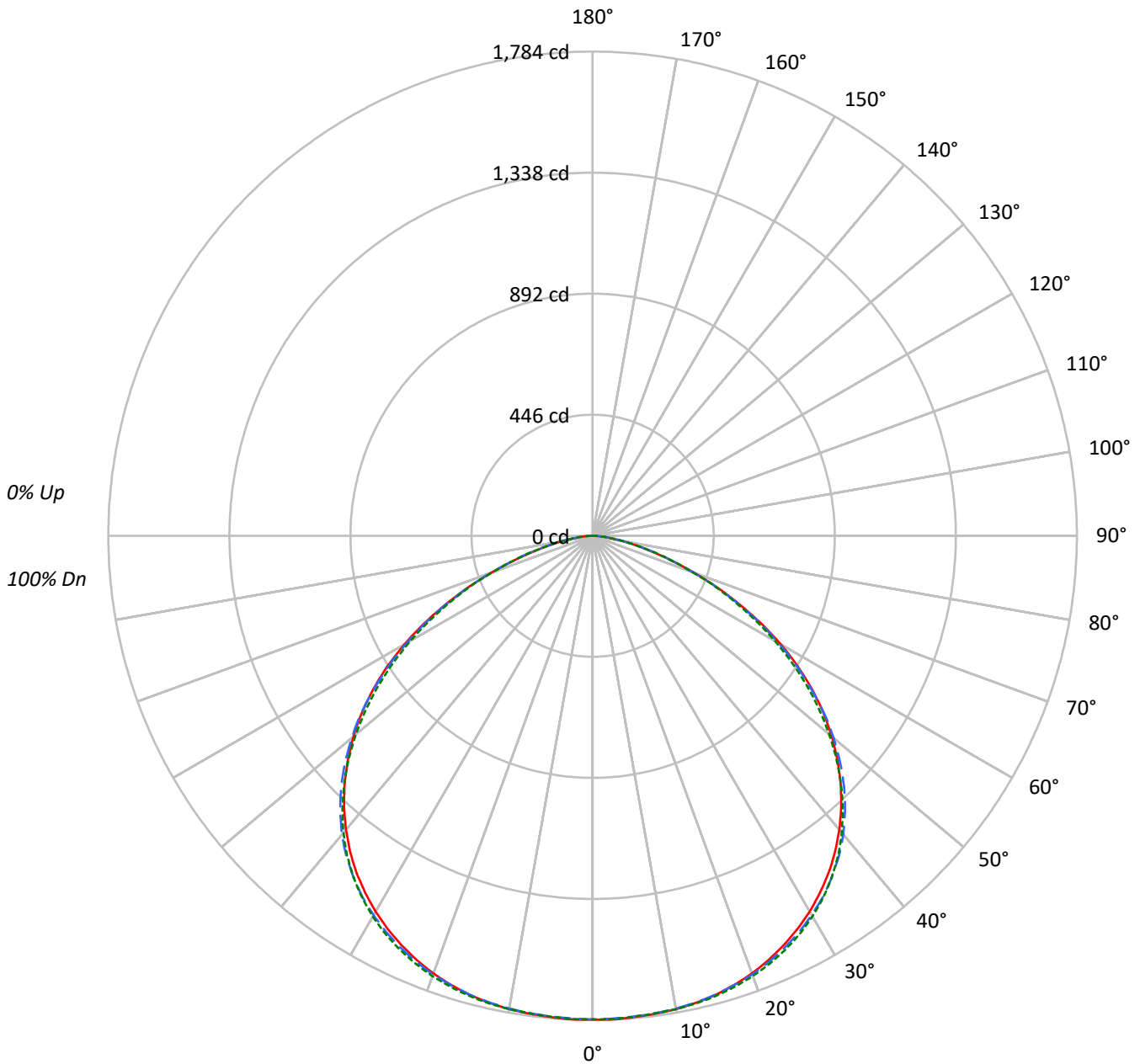
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5151.5 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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				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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4796	4796	4796
5°	4809	4802	4804
10°	4840	4833	4838
15°	4878	4876	4890
20°	4914	4925	4945
25°	4943	4972	4994
30°	4968	5015	5033
35°	4980	5045	5047
40°	4965	5045	5016
45°	4916	4986	4925
50°	4816	4850	4762
55°	4629	4608	4521
60°	4309	4261	4172
65°	3800	3764	3691
70°	3112	3127	3062
75°	2357	2437	2417
80°	1708	1776	1746
85°	1121	1161	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	3.3
10°-20°	494.9	9.6
20°-30°	771.6	15.0
30°-40°	956.4	18.6
40°-50°	1000.8	19.4
50°-60°	872.1	16.9
60°-70°	584.2	11.3
70°-80°	253.2	4.9
80°-90°	48.8	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°	1436.0	27.9
0°-40°	2392.5	46.4
0°-60°	4265.3	82.8
0°-90°	5151.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5151.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1780	1778	1778	1777	1778	170
15°	1751	1748	1750	1752	1755	495
25°	1665	1666	1674	1680	1682	768
35°	1516	1522	1536	1538	1536	948
45°	1292	1299	1310	1299	1294	995
55°	987	986	982	971	964	879
65°	597	594	591	585	580	590
75°	227	231	234	232	232	250
85°	36	39	38	38	40	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1782.1	1782.1	1782.1	1782.1	1782.1
2.5°	1784.0	1780.8	1780.2	1780.2	1782.1
5°	1780.2	1778.3	1777.7	1777.0	1778.3
7.5°	1776.4	1773.8	1774.5	1773.2	1774.5
10°	1771.3	1768.7	1768.7	1768.7	1770.7
12.5°	1762.4	1760.5	1761.1	1762.4	1764.9
15°	1750.9	1748.4	1750.3	1752.2	1755.4
17.5°	1735.0	1733.1	1736.3	1739.4	1742.0
20°	1715.9	1714.0	1719.7	1724.2	1726.7
22.5°	1692.3	1691.7	1699.3	1704.4	1706.3
25°	1664.9	1665.6	1674.5	1679.6	1682.1
27.5°	1633.7	1635.0	1646.5	1650.9	1653.5
30°	1598.7	1601.9	1614.0	1617.8	1619.7
32.5°	1559.2	1563.7	1578.3	1580.9	1580.9
35°	1515.9	1521.6	1535.6	1537.5	1536.3
37.5°	1467.5	1473.9	1489.8	1487.2	1485.3
40°	1413.3	1420.3	1436.3	1431.2	1428.0
42.5°	1355.4	1362.4	1376.4	1368.8	1364.3
45°	1291.7	1298.7	1310.2	1299.3	1294.2
47.5°	1222.9	1231.2	1236.9	1224.8	1218.4
50°	1150.3	1152.8	1158.6	1144.6	1137.6
52.5°	1071.3	1071.3	1075.8	1060.5	1052.2
55°	986.6	986.0	982.1	971.3	963.7
57.5°	896.8	893.0	890.4	879.0	870.0
60°	800.6	794.9	791.7	782.1	775.1
62.5°	700.0	696.8	693.0	685.3	677.7
65°	596.8	593.6	591.1	585.3	579.6
67.5°	494.3	492.3	492.3	488.5	487.9
70°	395.5	396.8	397.4	397.4	389.2
72.5°	306.4	307.0	310.2	307.6	307.0
75°	226.7	230.6	234.4	232.5	232.5
77.5°	163.1	168.8	168.8	167.5	165.6
80°	110.2	112.7	114.6	114.0	112.7
82.5°	70.1	72.0	70.1	71.3	72.0
85°	36.3	38.9	37.6	38.2	40.1
87.5°	12.1	13.4	14.0	13.4	13.4
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)