

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: P506342

Luminaire Tested: **22PD-50-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506342
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-L840
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

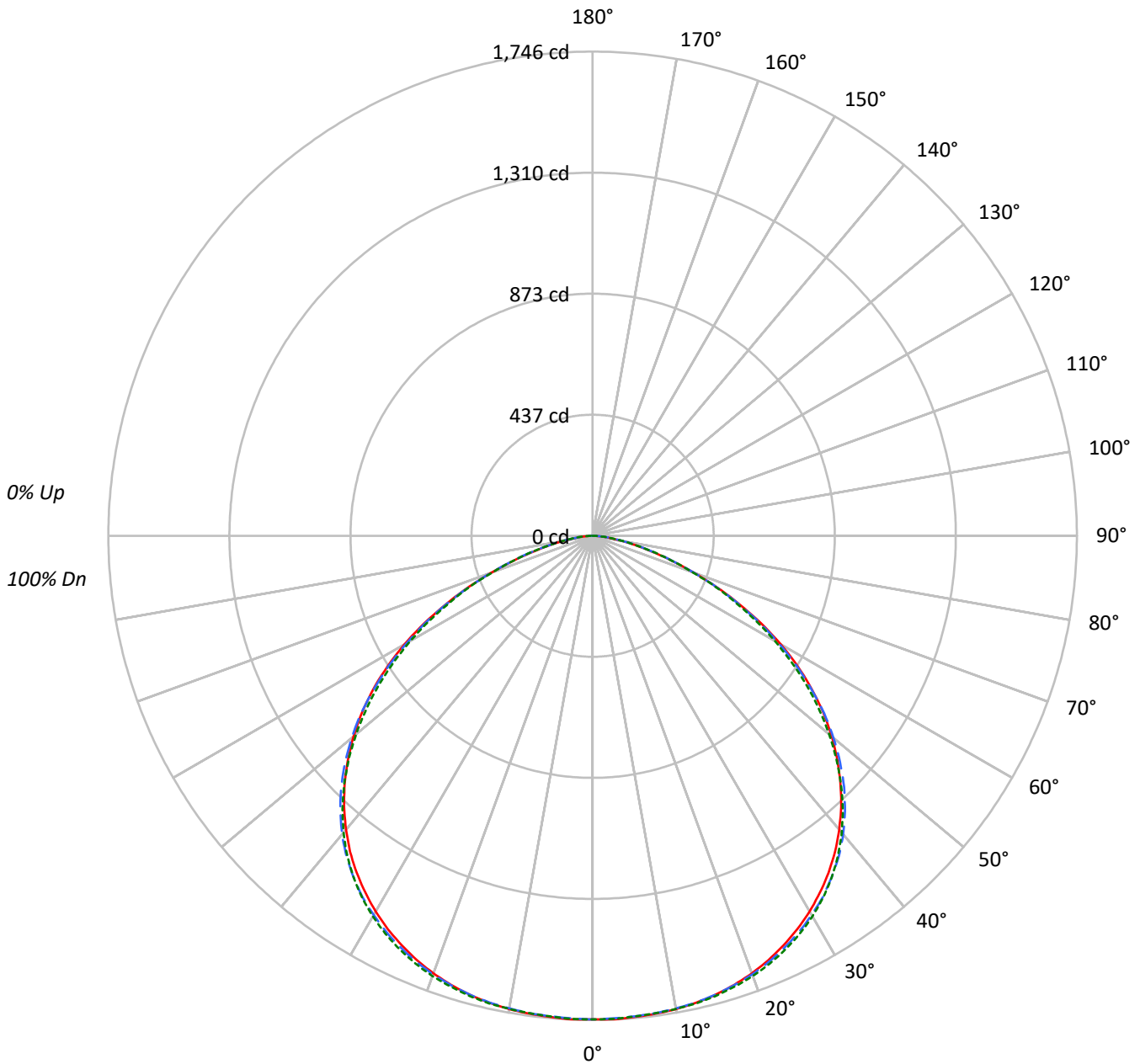
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5040.9 lumens
Efficiency: N/A
Efficacy: 120.3 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

TEST NUMBER: P506342
CATALOG NUMBER: 22PD-50-PW1-L840

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°	4693	4693	4693
5°	4706	4699	4700
10°	4736	4729	4735
15°	4773	4771	4785
20°	4808	4819	4839
25°	4837	4865	4887
30°	4861	4907	4925
35°	4873	4936	4938
40°	4858	4937	4908
45°	4810	4879	4820
50°	4712	4746	4660
55°	4529	4509	4424
60°	4216	4169	4082
65°	3719	3683	3612
70°	3045	3060	2996
75°	2307	2385	2365
80°	1671	1739	1709
85°	1096	1136	1213



TEST NUMBER: P506342

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	3.3
10°-20°	484.3	9.6
20°-30°	755.1	15.0
30°-40°	935.9	18.6
40°-50°	979.3	19.4
50°-60°	853.4	16.9
60°-70°	571.6	11.3
70°-80°	247.8	4.9
80°-90°	47.7	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°	1405.2	27.9
0°-40°	2341.1	46.4
0°-60°	4173.8	82.8
0°-90°	5040.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5040.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1742	1740	1740	1739	1740	166
15°	1713	1711	1713	1715	1718	484
25°	1629	1630	1638	1644	1646	751
35°	1483	1489	1503	1504	1503	927
45°	1264	1271	1282	1271	1266	973
55°	965	965	961	950	943	860
65°	584	581	578	573	567	578
75°	222	226	229	228	228	245
85°	36	38	37	37	39	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1743.9	1743.9	1743.9	1743.9	1743.9
2.5°	1745.8	1742.6	1742.0	1742.0	1743.9
5°	1742.0	1740.1	1739.5	1738.9	1740.1
7.5°	1738.3	1735.8	1736.4	1735.2	1736.4
10°	1733.3	1730.8	1730.8	1730.8	1732.7
12.5°	1724.6	1722.7	1723.3	1724.6	1727.1
15°	1713.3	1710.8	1712.7	1714.6	1717.7
17.5°	1697.8	1695.9	1699.0	1702.1	1704.6
20°	1679.1	1677.2	1682.8	1687.2	1689.7
22.5°	1656.0	1655.4	1662.9	1667.8	1669.7
25°	1629.2	1629.8	1638.5	1643.5	1646.0
27.5°	1598.7	1599.9	1611.1	1615.5	1618.0
30°	1564.4	1567.5	1579.3	1583.1	1584.9
32.5°	1525.7	1530.1	1544.4	1546.9	1546.9
35°	1483.4	1489.0	1502.7	1504.5	1503.3
37.5°	1436.0	1442.2	1457.8	1455.3	1453.4
40°	1383.0	1389.9	1405.5	1400.5	1397.3
42.5°	1326.3	1333.2	1346.9	1339.4	1335.0
45°	1264.0	1270.8	1282.0	1271.4	1266.5
47.5°	1196.7	1204.8	1210.4	1198.5	1192.3
50°	1125.6	1128.1	1133.7	1120.0	1113.1
52.5°	1048.3	1048.3	1052.7	1037.7	1029.6
55°	965.4	964.8	961.1	950.5	943.0
57.5°	877.5	873.8	871.3	860.1	851.4
60°	783.4	777.8	774.7	765.4	758.5
62.5°	685.0	681.8	678.1	670.6	663.1
65°	584.0	580.9	578.4	572.8	567.2
67.5°	483.6	481.8	481.8	478.0	477.4
70°	387.0	388.3	388.9	388.9	380.8
72.5°	299.8	300.4	303.5	301.0	300.4
75°	221.9	225.6	229.4	227.5	227.5
77.5°	159.6	165.2	165.2	163.9	162.0
80°	107.8	110.3	112.2	111.6	110.3
82.5°	68.6	70.4	68.6	69.8	70.4
85°	35.5	38.0	36.8	37.4	39.3
87.5°	11.8	13.1	13.7	13.1	13.1
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)