

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: P506324

Luminaire Tested: **22PD-50-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506324
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-L840
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

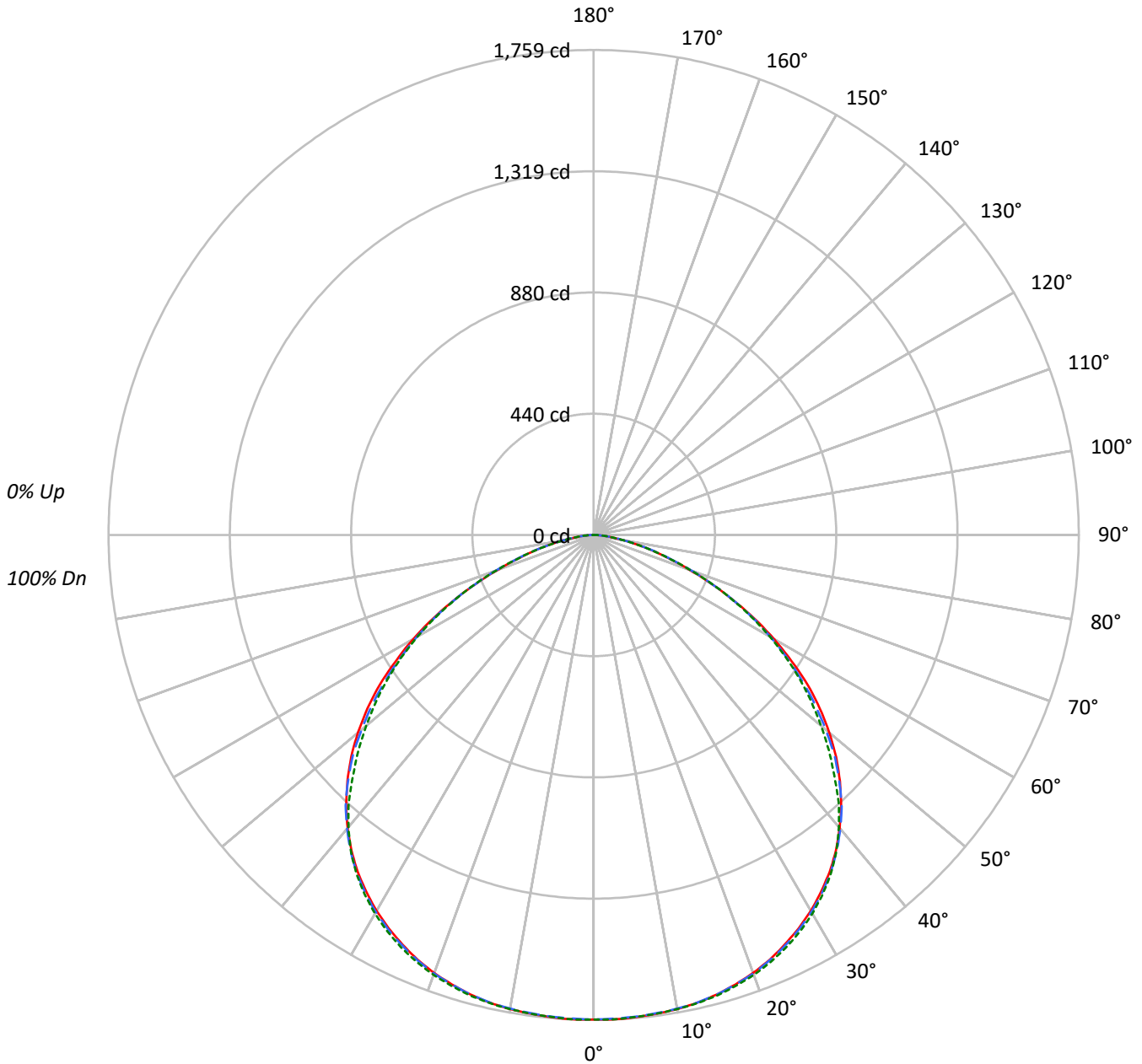
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4978.7 lumens
Efficiency: N/A
Efficacy: 118.8 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

TEST NUMBER: P506324
CATALOG NUMBER: 22PD-50-PL1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P506324

CATALOG NUMBER: 22PD-50-PL1-L840

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	63	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°	4730	4730	4730
5°	4743	4738	4740
10°	4773	4767	4773
15°	4807	4807	4818
20°	4842	4848	4863
25°	4868	4879	4903
30°	4892	4908	4927
35°	4900	4916	4926
40°	4874	4887	4857
45°	4805	4791	4694
50°	4669	4597	4503
55°	4443	4329	4280
60°	4067	3991	3967
65°	3547	3539	3527
70°	2907	2956	2946
75°	2304	2342	2304
80°	1688	1678	1669
85°	1127	1108	1186



TEST NUMBER: P506324

CATALOG NUMBER: 22PD-50-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	3.4
10°-20°	487.7	9.8
20°-30°	758.1	15.2
30°-40°	934.5	18.8
40°-50°	965.3	19.4
50°-60°	826.0	16.6
60°-70°	551.3	11.1
70°-80°	241.9	4.9
80°-90°	46.8	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°	1412.9	28.4
0°-40°	2347.5	47.2
0°-60°	4138.8	83.1
0°-90°	4978.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4978.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1756	1753	1754	1753	1755	167
15°	1726	1724	1726	1727	1729	488
25°	1640	1640	1643	1648	1651	756
35°	1492	1492	1497	1500	1500	932
45°	1263	1262	1259	1247	1234	972
55°	947	935	923	918	912	842
65°	557	556	556	558	554	553
75°	222	220	225	224	222	240
85°	36	36	36	37	38	47
90°	0	0	0	0	0	



TEST NUMBER: P506324

CATALOG NUMBER: 22PD-50-PL1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1757.7	1757.7	1757.7	1757.7	1757.7
2.5°	1759.0	1756.5	1755.9	1755.9	1759.0
5°	1755.9	1753.4	1754.0	1752.8	1754.6
7.5°	1751.5	1749.1	1749.7	1749.1	1751.5
10°	1746.6	1744.1	1744.7	1744.1	1746.6
12.5°	1737.9	1736.1	1737.3	1737.9	1739.8
15°	1725.6	1723.7	1725.6	1726.8	1729.3
17.5°	1709.5	1708.2	1710.1	1711.9	1715.0
20°	1690.9	1689.7	1692.8	1694.6	1698.3
22.5°	1668.0	1666.8	1669.9	1674.2	1676.7
25°	1639.5	1639.5	1643.2	1648.2	1651.3
27.5°	1609.2	1608.6	1612.9	1617.9	1621.0
30°	1574.5	1573.3	1579.5	1583.8	1585.7
32.5°	1534.3	1534.9	1540.5	1544.8	1545.4
35°	1491.6	1491.6	1496.6	1499.6	1499.6
37.5°	1442.7	1442.1	1447.0	1448.3	1446.4
40°	1387.6	1388.2	1391.3	1390.7	1382.7
42.5°	1328.2	1328.8	1331.3	1322.6	1314.6
45°	1262.6	1262.0	1258.9	1247.1	1233.5
47.5°	1192.7	1189.6	1184.6	1166.7	1156.8
50°	1115.3	1110.3	1098.0	1083.7	1075.7
52.5°	1033.6	1024.9	1012.6	1001.4	994.6
55°	947.0	935.2	922.8	917.9	912.3
57.5°	850.4	843.0	832.4	830.0	826.3
60°	755.7	747.7	741.5	741.5	737.1
62.5°	656.7	651.7	649.2	650.5	646.2
65°	557.0	555.8	555.8	557.6	553.9
67.5°	460.5	463.0	462.3	468.5	463.6
70°	369.5	373.8	375.7	381.9	374.4
72.5°	290.9	291.5	294.0	295.8	292.1
75°	221.6	219.7	225.3	224.0	221.6
77.5°	160.3	159.1	160.9	162.2	159.1
80°	108.9	107.7	108.3	110.2	107.7
82.5°	68.7	67.5	67.5	69.3	68.7
85°	36.5	35.9	35.9	37.1	38.4
87.5°	13.0	12.4	13.0	13.0	13.0
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)