

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: P506347

Luminaire Tested: **22PD-50-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506347
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-L940
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

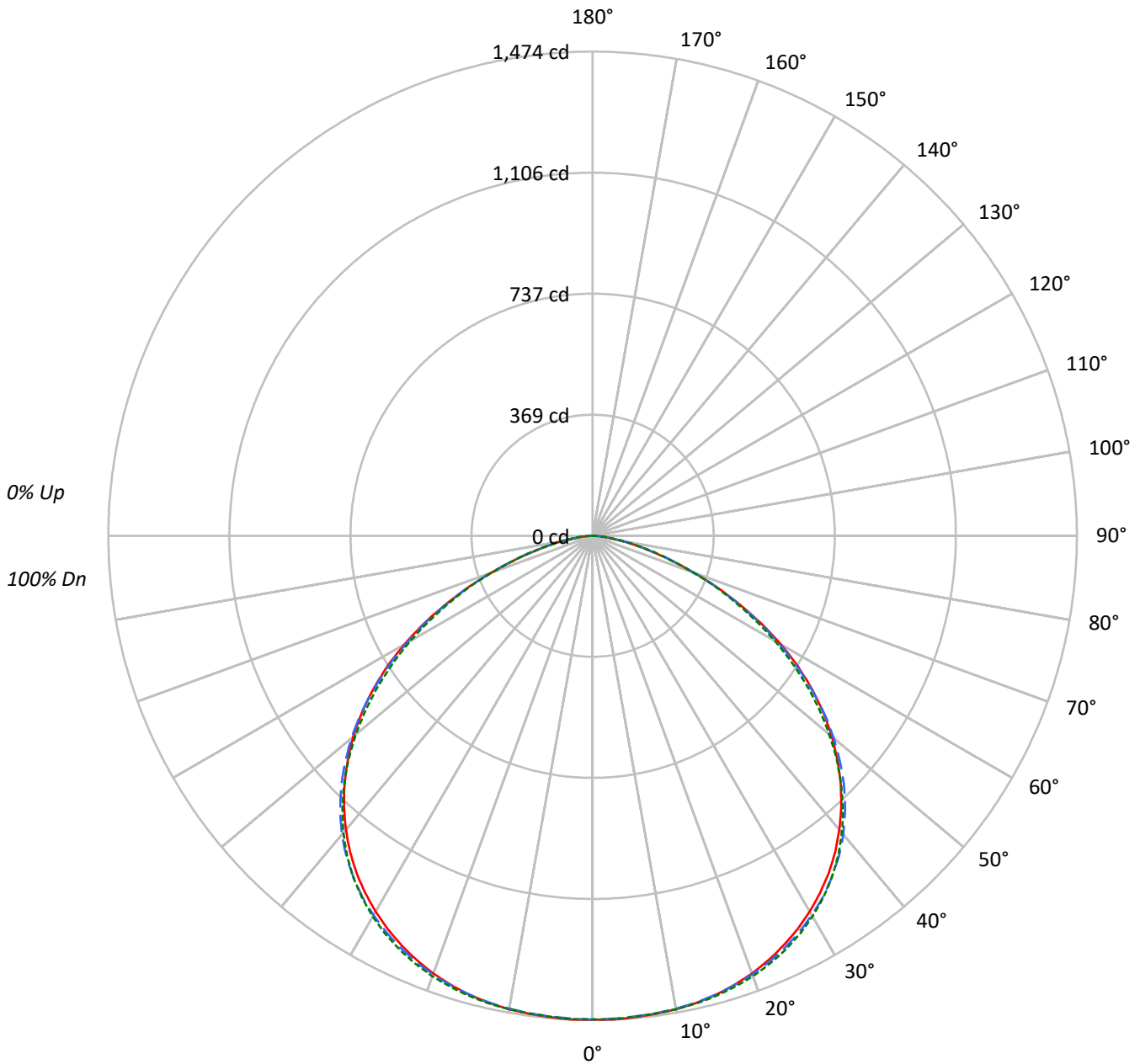
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4257.1 lumens
Efficiency: N/A
Efficacy: 101.6 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									
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	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°	3963	3963	3963
5°	3974	3968	3969
10°	4000	3994	3998
15°	4031	4030	4041
20°	4061	4070	4086
25°	4085	4109	4127
30°	4105	4144	4159
35°	4115	4169	4170
40°	4103	4169	4145
45°	4062	4120	4070
50°	3980	4008	3935
55°	3825	3808	3736
60°	3561	3521	3448
65°	3140	3110	3050
70°	2572	2584	2530
75°	1948	2014	1997
80°	1412	1468	1444
85°	926	960	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.3
10°-20°	409.0	9.6
20°-30°	637.7	15.0
30°-40°	790.4	18.6
40°-50°	827.0	19.4
50°-60°	720.7	16.9
60°-70°	482.7	11.3
70°-80°	209.3	4.9
80°-90°	40.3	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°	1186.7	27.9
0°-40°	1977.1	46.4
0°-60°	3524.8	82.8
0°-90°	4257.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4257.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1473	1473	1473	1473	1473	
5°	1471	1470	1469	1468	1470	140
15°	1447	1445	1446	1448	1451	409
25°	1376	1376	1384	1388	1390	634
35°	1253	1257	1269	1271	1270	783
45°	1067	1073	1083	1074	1070	822
55°	815	815	812	803	796	726
65°	493	490	488	484	479	488
75°	187	190	194	192	192	207
85°	30	32	31	32	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1472.7	1472.7	1472.7	1472.7	1472.7
2.5°	1474.3	1471.6	1471.1	1471.1	1472.7
5°	1471.1	1469.5	1469.0	1468.5	1469.5
7.5°	1468.0	1465.9	1466.4	1465.3	1466.4
10°	1463.8	1461.6	1461.6	1461.6	1463.2
12.5°	1456.4	1454.8	1455.3	1456.4	1458.5
15°	1446.9	1444.8	1446.4	1448.0	1450.6
17.5°	1433.8	1432.2	1434.8	1437.4	1439.5
20°	1418.0	1416.4	1421.1	1424.8	1426.9
22.5°	1398.5	1398.0	1404.3	1408.5	1410.1
25°	1375.9	1376.4	1383.8	1388.0	1390.1
27.5°	1350.1	1351.1	1360.6	1364.3	1366.4
30°	1321.1	1323.7	1333.7	1336.9	1338.5
32.5°	1288.5	1292.2	1304.3	1306.4	1306.4
35°	1252.7	1257.4	1269.0	1270.6	1269.5
37.5°	1212.7	1218.0	1231.1	1229.0	1227.4
40°	1168.0	1173.7	1186.9	1182.7	1180.1
42.5°	1120.1	1125.8	1137.4	1131.1	1127.4
45°	1067.4	1073.2	1082.7	1073.7	1069.5
47.5°	1010.6	1017.4	1022.2	1012.2	1006.9
50°	950.6	952.7	957.4	945.8	940.0
52.5°	885.3	885.3	889.0	876.4	869.5
55°	815.3	814.8	811.6	802.7	796.4
57.5°	741.1	737.9	735.8	726.4	719.0
60°	661.6	656.9	654.2	646.3	640.6
62.5°	578.4	575.8	572.7	566.3	560.0
65°	493.2	490.5	488.4	483.7	479.0
67.5°	408.4	406.9	406.9	403.7	403.2
70°	326.9	327.9	328.4	328.4	321.6
72.5°	253.2	253.7	256.3	254.2	253.7
75°	187.4	190.5	193.7	192.1	192.1
77.5°	134.7	139.5	139.5	138.4	136.8
80°	91.1	93.2	94.7	94.2	93.2
82.5°	57.9	59.5	57.9	59.0	59.5
85°	30.0	32.1	31.1	31.6	33.2
87.5°	10.0	11.1	11.6	11.1	11.1
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)