

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: P505993

Luminaire Tested: **14PD-50-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PW1-L927
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

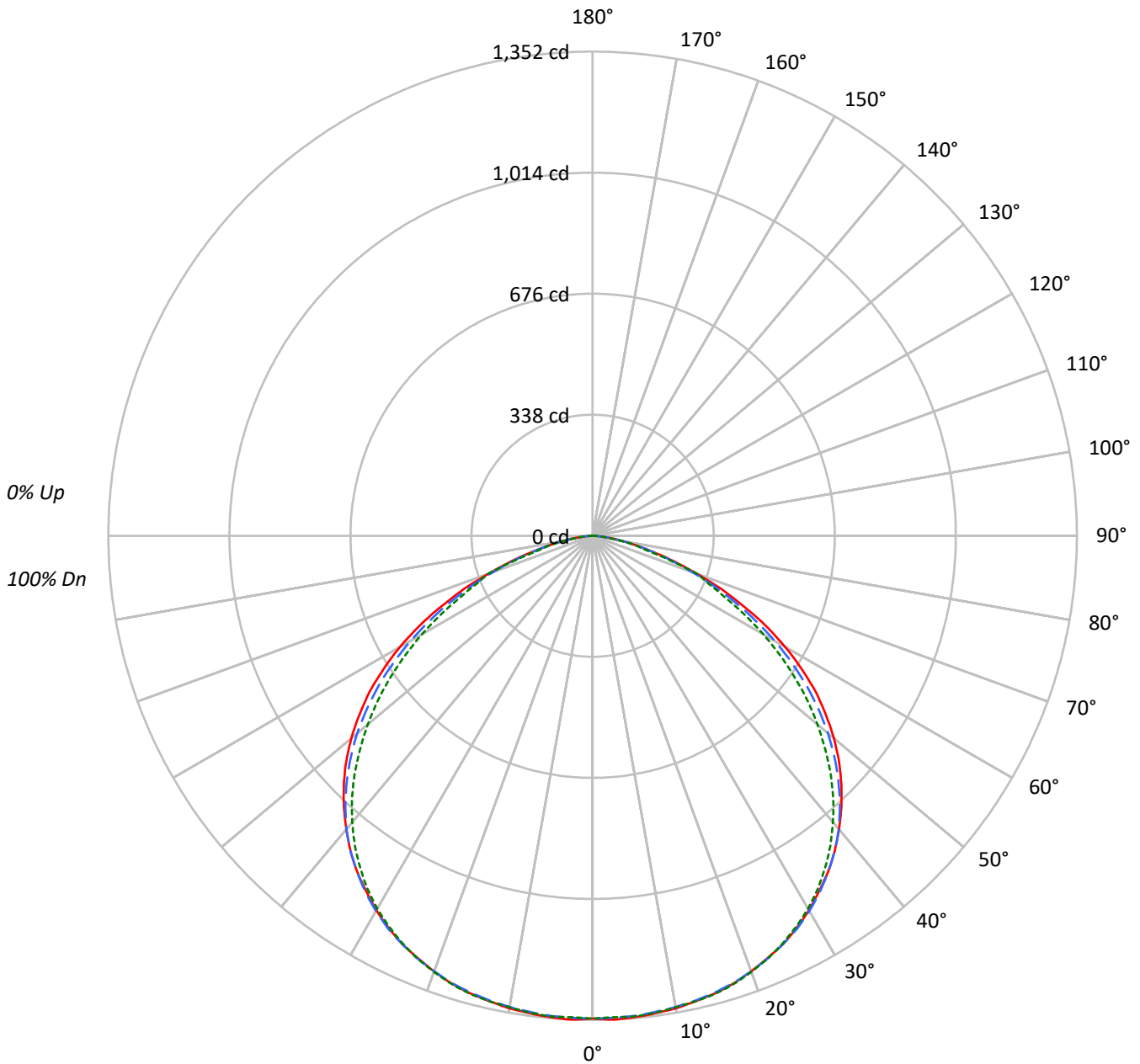
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3839.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	3627	3627	3627
5°	3645	3635	3639
10°	3660	3650	3652
15°	3685	3677	3689
20°	3707	3705	3712
25°	3736	3736	3729
30°	3753	3760	3736
35°	3765	3765	3717
40°	3758	3756	3667
45°	3738	3694	3575
50°	3681	3592	3429
55°	3568	3418	3232
60°	3342	3158	2961
65°	2960	2790	2606
70°	2416	2308	2434
75°	1823	1790	1608
80°	1311	1227	1227
85°	824	775	682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	3.3
10°-20°	373.1	9.7
20°-30°	579.3	15.1
30°-40°	713.4	18.6
40°-50°	742.8	19.3
50°-60°	645.9	16.8
60°-70°	434.0	11.3
70°-80°	187.8	4.9
80°-90°	34.5	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°	1080.6	28.1
0°-40°	1794.0	46.7
0°-60°	3182.7	82.9
0°-90°	3839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1350	1341	1346	1349	1347	128
15°	1323	1314	1320	1324	1324	374
25°	1258	1252	1258	1258	1256	580
35°	1146	1143	1146	1136	1132	716
45°	982	979	971	949	940	757
55°	760	747	728	700	689	676
65°	465	456	438	418	409	460
75°	175	177	172	176	155	193
85°	27	27	25	22	22	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1352.5	1344.2	1347.2	1351.8	1345.7
5°	1349.5	1341.1	1345.7	1348.7	1347.2
7.5°	1344.9	1338.8	1341.1	1344.2	1343.4
10°	1339.6	1333.5	1335.8	1338.8	1336.5
12.5°	1331.2	1324.3	1328.9	1332.0	1331.2
15°	1322.8	1313.7	1319.8	1324.3	1324.3
17.5°	1310.6	1303.0	1309.1	1312.9	1312.2
20°	1294.6	1289.3	1293.9	1296.9	1296.2
22.5°	1276.3	1272.5	1277.9	1277.9	1277.9
25°	1258.1	1252.0	1258.1	1258.1	1255.8
27.5°	1234.4	1229.1	1236.7	1234.4	1230.6
30°	1207.8	1204.7	1210.0	1206.2	1202.4
32.5°	1176.5	1175.0	1180.3	1172.7	1169.7
35°	1146.0	1143.0	1146.0	1136.1	1131.6
37.5°	1110.2	1107.2	1110.2	1097.3	1090.4
40°	1069.8	1067.6	1069.1	1052.3	1043.9
42.5°	1027.9	1025.6	1021.8	1001.3	994.4
45°	982.2	979.2	970.8	948.7	939.5
47.5°	933.4	928.1	915.9	892.3	880.1
50°	879.3	871.7	858.0	832.1	819.1
52.5°	820.7	811.5	794.0	768.1	755.9
55°	760.5	746.8	728.5	699.5	688.8
57.5°	691.9	677.4	658.4	631.7	619.5
60°	621.0	606.5	586.7	562.4	550.2
62.5°	545.6	532.6	512.8	490.0	479.3
65°	464.8	456.4	438.1	417.6	409.2
67.5°	388.6	380.2	365.0	347.5	350.5
70°	307.1	306.3	293.4	281.2	309.4
72.5°	239.3	237.7	230.9	224.8	223.3
75°	175.3	176.8	172.2	176.0	154.7
77.5°	123.4	125.0	124.2	113.5	118.9
80°	84.6	84.6	79.2	75.4	79.2
82.5°	51.1	61.0	54.9	45.0	43.4
85°	26.7	27.4	25.1	22.1	22.1
87.5°	9.9	11.4	9.9	9.1	8.4
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)