

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: P505979

Luminaire Tested: **14PD-50-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PL1-L950
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

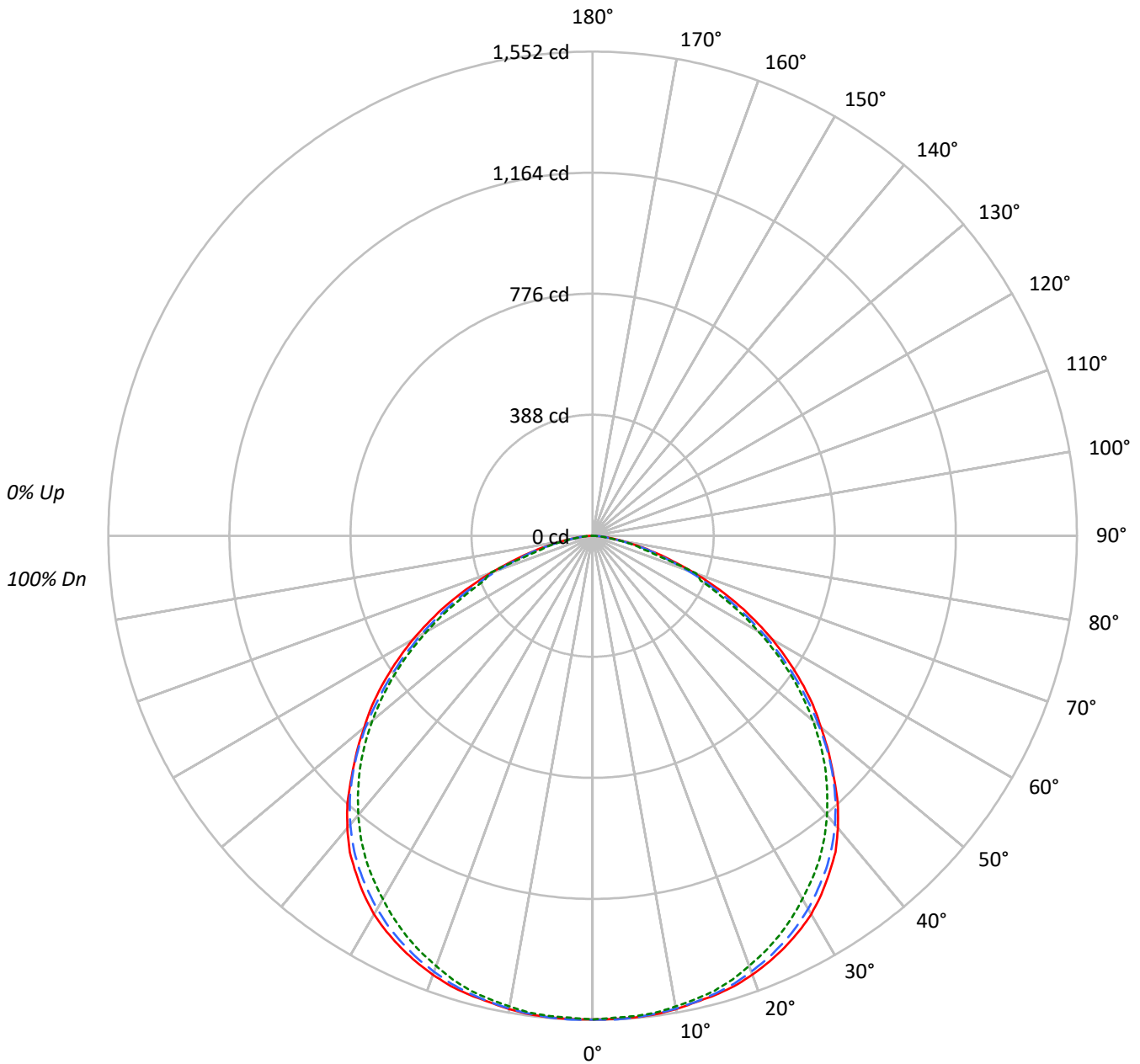
Lumens per Lamp: N/A
Luminaire Lumens: 4309.8 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4173	4173	4173
5°	4186	4189	4175
10°	4209	4204	4186
15°	4244	4232	4206
20°	4287	4258	4202
25°	4323	4281	4200
30°	4353	4292	4178
35°	4342	4286	4163
40°	4295	4245	4104
45°	4158	4145	4012
50°	4000	3964	3857
55°	3827	3715	3631
60°	3575	3414	3300
65°	3221	3020	2858
70°	2693	2526	2773
75°	2125	2045	1771
80°	1531	1359	1385
85°	973	815	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.4
10°-20°	428.5	9.9
20°-30°	662.6	15.4
30°-40°	811.0	18.8
40°-50°	831.4	19.3
50°-60°	708.1	16.4
60°-70°	473.2	11.0
70°-80°	209.7	4.9
80°-90°	37.9	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°	1238.6	28.7
0°-40°	2049.5	47.6
0°-60°	3588.9	83.3
0°-90°	4309.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4309.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1551	1551	1551	1551	1551	
5°	1550	1546	1551	1550	1546	148
15°	1523	1518	1519	1515	1510	431
25°	1456	1451	1442	1423	1414	671
35°	1322	1318	1305	1276	1267	826
45°	1092	1096	1089	1064	1054	843
55°	816	812	792	776	774	728
65°	506	502	474	453	449	499
75°	204	207	197	198	170	221
85°	32	31	26	26	25	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1550.6	1548.1	1552.4	1554.1	1546.4
5°	1549.8	1546.4	1550.6	1549.8	1545.5
7.5°	1547.2	1541.3	1545.5	1543.8	1542.1
10°	1540.4	1535.3	1538.7	1536.2	1531.9
12.5°	1531.1	1527.7	1530.2	1527.7	1521.7
15°	1523.4	1518.3	1519.1	1514.9	1509.8
17.5°	1513.2	1505.5	1505.5	1497.0	1491.0
20°	1497.0	1490.2	1486.8	1474.9	1467.2
22.5°	1478.3	1473.2	1466.3	1451.0	1442.5
25°	1456.1	1451.0	1441.7	1422.9	1414.4
27.5°	1430.6	1423.8	1413.6	1391.4	1381.2
30°	1400.8	1392.3	1381.2	1356.5	1344.6
32.5°	1364.2	1358.2	1343.7	1318.2	1307.1
35°	1321.6	1318.2	1304.6	1275.6	1267.1
37.5°	1278.2	1271.3	1259.4	1228.8	1220.3
40°	1222.8	1218.6	1208.3	1178.5	1168.3
42.5°	1163.2	1160.6	1152.1	1124.0	1113.0
45°	1092.5	1095.9	1089.1	1064.4	1054.2
47.5°	1025.3	1023.5	1021.0	998.9	990.3
50°	955.4	952.0	946.9	929.0	921.4
52.5°	889.9	883.0	869.4	854.1	849.0
55°	815.8	811.5	791.9	775.8	774.0
57.5°	740.8	738.3	714.4	695.7	695.7
60°	664.2	660.8	634.4	614.8	613.1
62.5°	584.2	581.6	554.4	532.2	533.1
65°	505.8	501.6	474.3	453.0	448.8
67.5°	424.1	422.4	396.0	376.4	374.7
70°	342.3	342.3	321.0	304.0	352.5
72.5°	269.9	267.4	250.4	242.7	231.6
75°	204.4	206.9	196.7	197.6	170.3
77.5°	145.6	141.4	137.1	127.7	135.4
80°	98.8	96.2	87.7	85.2	89.4
82.5°	61.3	62.2	54.5	49.4	48.5
85°	31.5	30.7	26.4	25.5	24.7
87.5°	11.9	12.8	11.1	10.2	9.4
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)