

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: P505977

Luminaire Tested: **14PD-50-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505977
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-L935
Description: 5000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

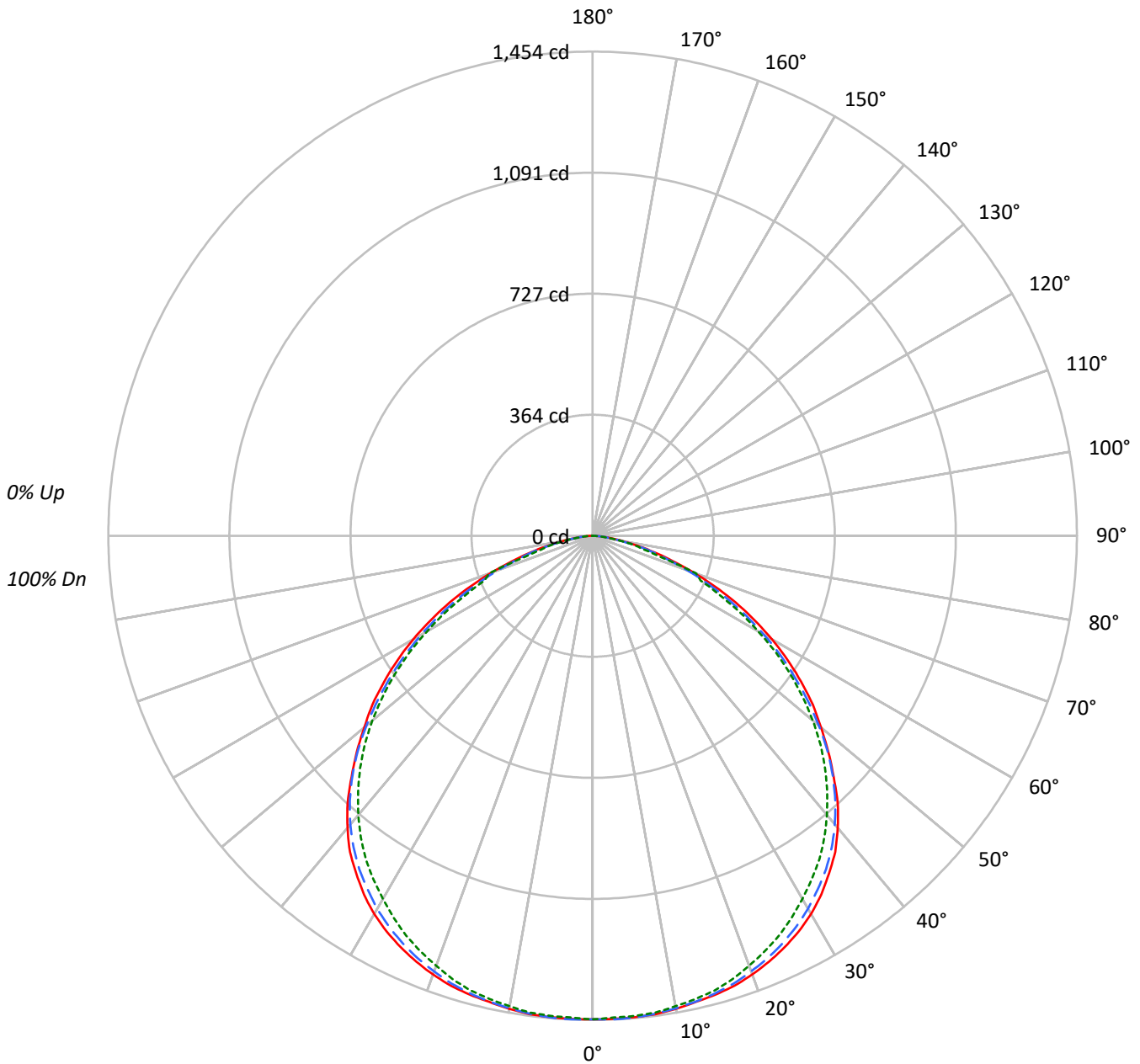
Lumens per Lamp: N/A
Luminaire Lumens: 4035.8 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P505977

CATALOG NUMBER: 14PD-50-PL1-L935

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°	3908	3908	3908
5°	3920	3922	3910
10°	3942	3937	3920
15°	3974	3963	3939
20°	4015	3987	3934
25°	4049	4008	3933
30°	4076	4019	3912
35°	4066	4013	3898
40°	4023	3975	3843
45°	3894	3881	3757
50°	3746	3712	3612
55°	3584	3479	3400
60°	3348	3197	3090
65°	3016	2828	2676
70°	2522	2365	2597
75°	1990	1915	1658
80°	1433	1272	1297
85°	911	763	713



TEST NUMBER: P505977

CATALOG NUMBER: 14PD-50-PL1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.4
10°-20°	401.3	9.9
20°-30°	620.5	15.4
30°-40°	759.4	18.8
40°-50°	778.5	19.3
50°-60°	663.1	16.4
60°-70°	443.1	11.0
70°-80°	196.4	4.9
80°-90°	35.5	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°	1159.9	28.7
0°-40°	1919.3	47.6
0°-60°	3360.8	83.3
0°-90°	4035.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1451	1448	1452	1451	1447	138
15°	1427	1422	1423	1419	1414	403
25°	1364	1359	1350	1332	1324	629
35°	1238	1234	1222	1194	1187	774
45°	1023	1026	1020	997	987	790
55°	764	760	742	726	725	682
65°	474	470	444	424	420	467
75°	191	194	184	185	160	207
85°	30	29	25	24	23	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1452.1	1449.7	1453.7	1455.3	1448.1
5°	1451.3	1448.1	1452.1	1451.3	1447.3
7.5°	1448.9	1443.3	1447.3	1445.7	1444.1
10°	1442.5	1437.7	1440.9	1438.5	1434.5
12.5°	1433.8	1430.6	1433.0	1430.6	1425.0
15°	1426.6	1421.8	1422.6	1418.6	1413.8
17.5°	1417.0	1409.8	1409.8	1401.9	1396.3
20°	1401.9	1395.5	1392.3	1381.1	1373.9
22.5°	1384.3	1379.5	1373.1	1358.8	1350.8
25°	1363.6	1358.8	1350.0	1332.5	1324.5
27.5°	1339.7	1333.3	1323.7	1303.0	1293.4
30°	1311.7	1303.8	1293.4	1270.3	1259.1
32.5°	1277.5	1271.9	1258.3	1234.4	1224.0
35°	1237.6	1234.4	1221.6	1194.5	1186.6
37.5°	1196.9	1190.5	1179.4	1150.7	1142.7
40°	1145.1	1141.1	1131.5	1103.6	1094.1
42.5°	1089.3	1086.9	1078.9	1052.6	1042.2
45°	1023.1	1026.3	1019.9	996.8	987.2
47.5°	960.1	958.5	956.1	935.4	927.4
50°	894.7	891.5	886.7	870.0	862.8
52.5°	833.3	826.9	814.2	799.8	795.0
55°	763.9	759.9	741.6	726.4	724.8
57.5°	693.8	691.4	669.0	651.5	651.5
60°	622.0	618.8	594.1	575.7	574.1
62.5°	547.0	544.6	519.1	498.4	499.2
65°	473.7	469.7	444.2	424.2	420.2
67.5°	397.1	395.5	370.8	352.5	350.9
70°	320.6	320.6	300.6	284.7	330.1
72.5°	252.8	250.4	234.4	227.3	216.9
75°	191.4	193.8	184.2	185.0	159.5
77.5°	136.4	132.4	128.4	119.6	126.8
80°	92.5	90.1	82.1	79.7	83.7
82.5°	57.4	58.2	51.0	46.3	45.5
85°	29.5	28.7	24.7	23.9	23.1
87.5°	11.2	12.0	10.4	9.6	8.8
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)