

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: P506004

Luminaire Tested: **14PD-55-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

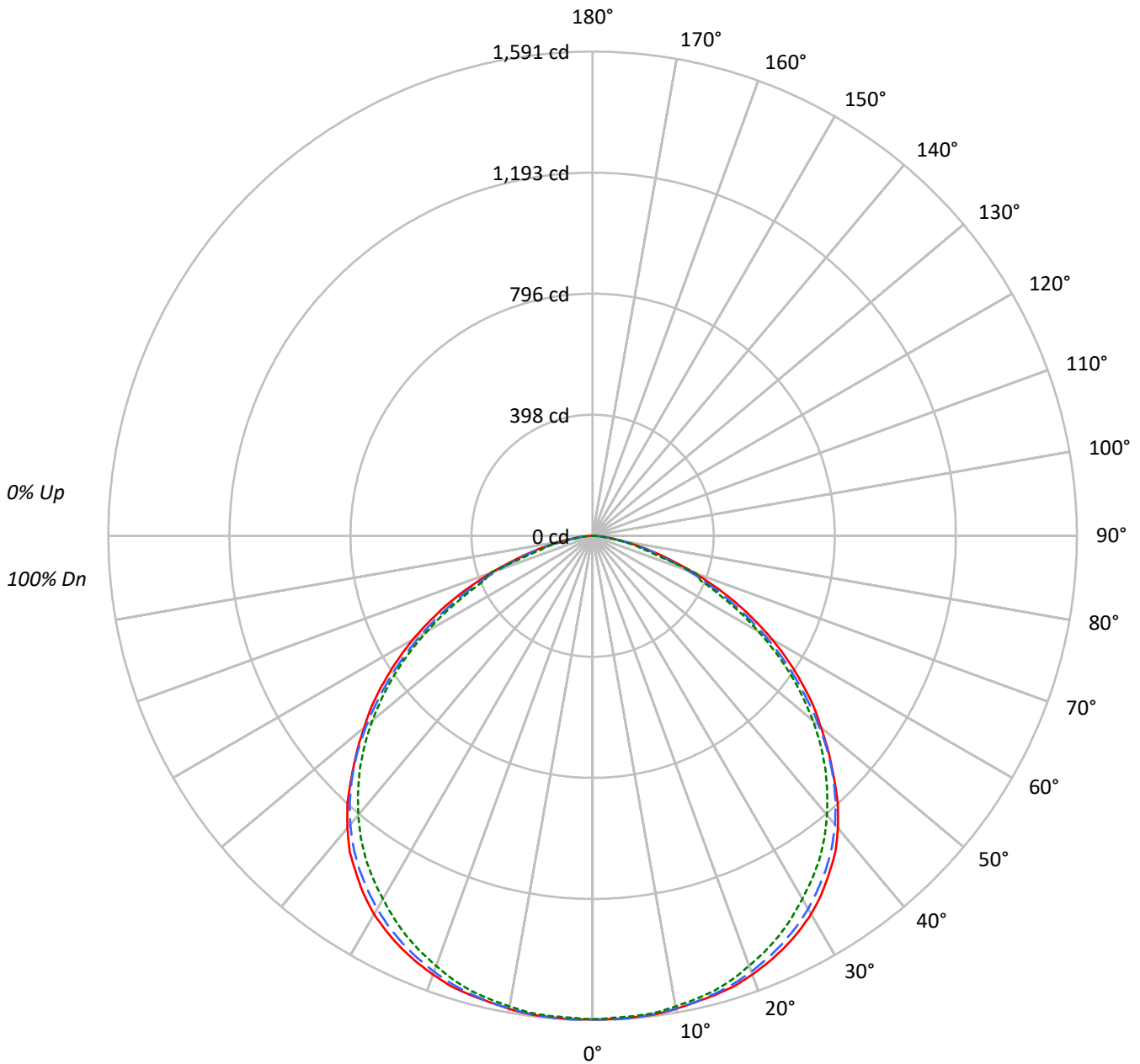
Test Method: LM-79-08  
Report Number: P506004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PL1-L935  
Description: 5500 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: 4417.4 lumens  
Efficiency: N/A  
Efficacy: 81.7 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): 54.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P506004  
CATALOG NUMBER: 14PD-55-PL1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P506004

CATALOG NUMBER: 14PD-55-PL1-L935

**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°	4277	4277	4277
5°	4291	4293	4279
10°	4314	4310	4291
15°	4350	4338	4311
20°	4394	4364	4306
25°	4431	4388	4304
30°	4461	4399	4282
35°	4450	4392	4266
40°	4403	4351	4207
45°	4262	4248	4112
50°	4100	4063	3954
55°	3923	3808	3722
60°	3664	3499	3382
65°	3301	3096	2929
70°	2761	2589	2843
75°	2178	2096	1815
80°	1568	1393	1420
85°	997	837	781



TEST NUMBER: P506004

CATALOG NUMBER: 14PD-55-PL1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.1	3.4
10°-20°	439.2	9.9
20°-30°	679.2	15.4
30°-40°	831.2	18.8
40°-50°	852.1	19.3
50°-60°	725.8	16.4
60°-70°	485.0	11.0
70°-80°	214.9	4.9
80°-90°	38.9	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°	1269.5	28.7
0°-40°	2100.7	47.6
0°-60°	3678.6	83.3
0°-90°	4417.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4417.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1588	1585	1589	1588	1584	151
15°	1562	1556	1557	1553	1548	442
25°	1492	1487	1478	1458	1450	688
35°	1355	1351	1337	1308	1299	847
45°	1120	1123	1116	1091	1080	864
55°	836	832	812	795	793	746
65°	518	514	486	464	460	511
75°	210	212	202	202	175	227
85°	32	31	27	26	25	43
90°	0	0	0	0	0	



TEST NUMBER: P506004

CATALOG NUMBER: 14PD-55-PL1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1589.4	1586.8	1591.1	1592.9	1585.0
5°	1588.5	1585.0	1589.4	1588.5	1584.1
7.5°	1585.9	1579.8	1584.1	1582.4	1580.7
10°	1578.9	1573.7	1577.2	1574.5	1570.2
12.5°	1569.3	1565.8	1568.4	1565.8	1559.7
15°	1561.5	1556.2	1557.1	1552.7	1547.5
17.5°	1551.0	1543.1	1543.1	1534.4	1528.3
20°	1534.4	1527.4	1523.9	1511.7	1503.8
22.5°	1515.2	1510.0	1503.0	1487.3	1478.5
25°	1492.5	1487.3	1477.7	1458.5	1449.7
27.5°	1466.3	1459.3	1448.9	1426.2	1415.7
30°	1435.8	1427.0	1415.7	1390.4	1378.2
32.5°	1398.2	1392.1	1377.3	1351.1	1339.8
35°	1354.6	1351.1	1337.1	1307.5	1298.7
37.5°	1310.1	1303.1	1290.9	1259.5	1250.7
40°	1253.4	1249.0	1238.5	1208.0	1197.5
42.5°	1192.3	1189.6	1180.9	1152.1	1140.8
45°	1119.8	1123.3	1116.3	1091.0	1080.5
47.5°	1050.9	1049.1	1046.5	1023.8	1015.1
50°	979.3	975.8	970.6	952.2	944.4
52.5°	912.1	905.1	891.1	875.4	870.2
55°	836.1	831.8	811.7	795.1	793.4
57.5°	759.3	756.7	732.3	713.1	713.1
60°	680.8	677.3	650.2	630.2	628.4
62.5°	598.7	596.1	568.2	545.5	546.4
65°	518.4	514.1	486.2	464.3	460.0
67.5°	434.7	432.9	405.9	385.8	384.0
70°	350.9	350.9	329.0	311.6	361.3
72.5°	276.7	274.1	256.6	248.7	237.4
75°	209.5	212.1	201.6	202.5	174.6
77.5°	149.2	144.9	140.5	130.9	138.8
80°	101.2	98.6	89.9	87.3	91.6
82.5°	62.8	63.7	55.9	50.6	49.7
85°	32.3	31.4	27.1	26.2	25.3
87.5°	12.2	13.1	11.3	10.5	9.6
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)