

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: P506011

Luminaire Tested: **14PD-55-PR1-L927**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P506011  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PR1-L927  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

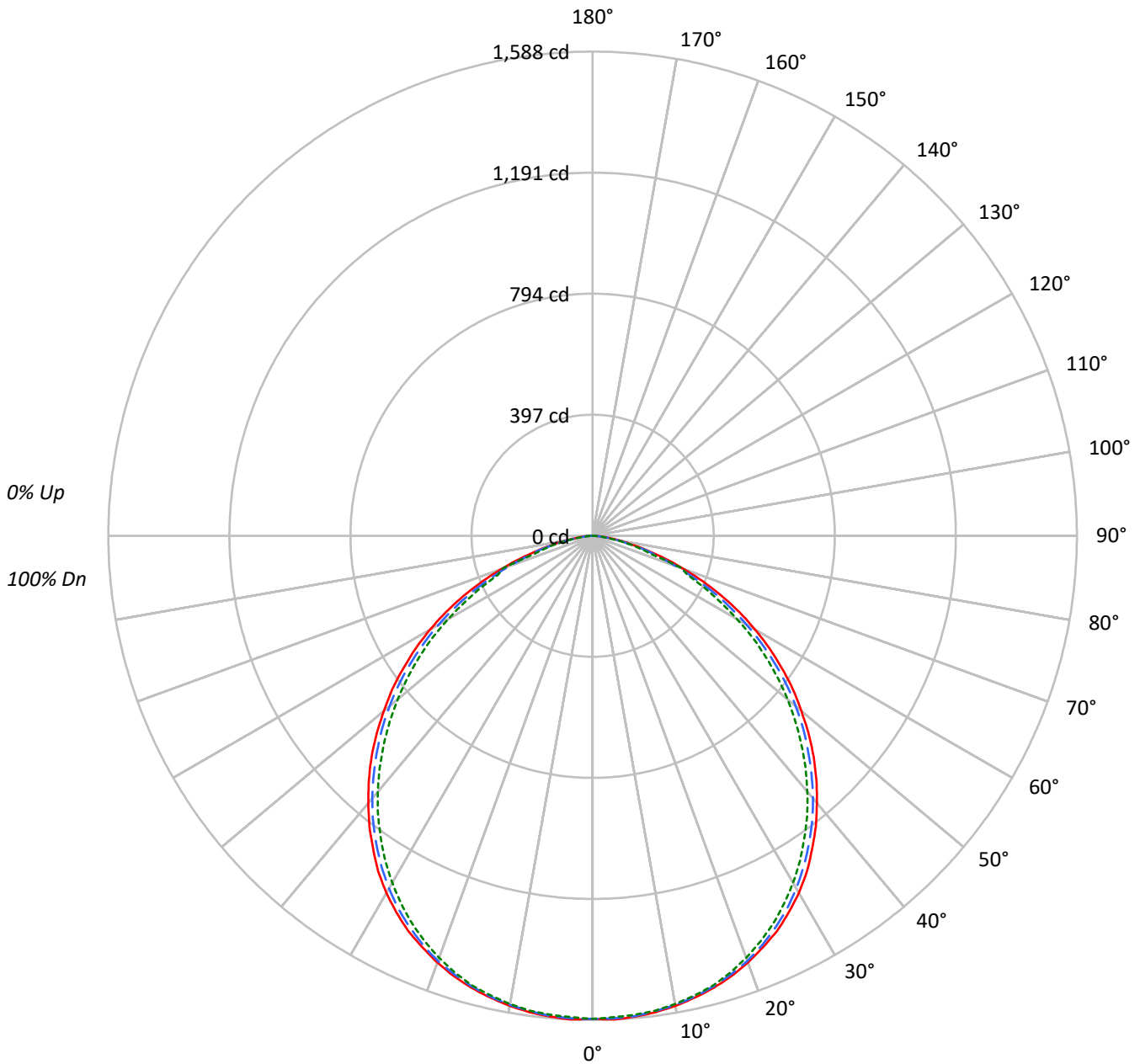
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4077.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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: P506011

CATALOG NUMBER: 14PD-55-PR1-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P506011

CATALOG NUMBER: 14PD-55-PR1-L927

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	100	96	99	96	93	95	93	90	91	90	88	86								
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73								
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62								
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53								
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46								
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41								
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36								
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32								
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29								
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4263	4263	4263
5°	4277	4271	4260
10°	4277	4269	4260
15°	4276	4263	4254
20°	4265	4249	4218
25°	4247	4210	4163
30°	4203	4150	4084
35°	4122	4060	3977
40°	4019	3950	3848
45°	3900	3804	3685
50°	3738	3640	3492
55°	3556	3416	3254
60°	3311	3138	2943
65°	2973	2763	2583
70°	2500	2278	2463
75°	1926	1852	1665
80°	1387	1240	1179
85°	849	726	655



TEST NUMBER: P506011

CATALOG NUMBER: 14PD-55-PR1-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.2	3.7
10°-20°	431.4	10.6
20°-30°	651.6	16.0
30°-40°	770.9	18.9
40°-50°	768.7	18.9
50°-60°	649.4	15.9
60°-70°	432.7	10.6
70°-80°	188.0	4.6
80°-90°	34.1	0.8
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°	1233.2	30.2
0°-40°	2004.2	49.2
0°-60°	3422.3	83.9
0°-90°	4077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1584	1584	1584	1584	1584	
5°	1583	1577	1581	1580	1577	151
15°	1535	1528	1530	1528	1527	433
25°	1430	1421	1418	1405	1402	658
35°	1255	1246	1236	1219	1211	785
45°	1025	1015	1000	978	968	789
55°	758	752	728	705	694	677
65°	467	461	434	415	406	461
75°	185	181	178	172	160	202
85°	28	28	24	22	21	37
90°	0	0	0	0	0	



TEST NUMBER: P506011

CATALOG NUMBER: 14PD-55-PR1-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1584.2	1584.2	1584.2	1584.2	1584.2
2.5°	1588.1	1581.1	1584.2	1584.2	1580.3
5°	1583.4	1577.1	1581.1	1579.5	1577.1
7.5°	1576.4	1570.1	1572.4	1571.7	1570.9
10°	1565.4	1559.1	1562.2	1560.7	1559.1
12.5°	1551.3	1545.0	1548.1	1545.8	1544.2
15°	1534.8	1527.7	1530.1	1527.7	1526.9
17.5°	1514.4	1507.3	1508.1	1505.0	1501.8
20°	1489.3	1483.0	1483.8	1475.9	1472.8
22.5°	1460.2	1454.0	1453.2	1443.0	1439.1
25°	1430.4	1421.0	1417.9	1405.3	1402.2
27.5°	1392.8	1384.1	1379.4	1366.1	1359.8
30°	1352.7	1343.3	1335.5	1320.6	1314.3
32.5°	1307.2	1297.8	1287.6	1271.9	1264.9
35°	1254.7	1246.0	1235.8	1219.3	1210.7
37.5°	1202.1	1192.7	1182.5	1162.9	1155.8
40°	1144.0	1135.4	1124.4	1103.2	1095.4
42.5°	1086.0	1075.8	1062.4	1042.0	1033.4
45°	1024.8	1015.3	999.6	978.5	968.3
47.5°	960.4	952.6	936.1	913.3	902.3
50°	892.9	886.7	869.4	844.3	834.1
52.5°	828.6	820.0	800.3	775.2	764.3
55°	758.0	752.5	728.2	704.6	693.6
57.5°	687.4	680.3	656.0	632.4	622.2
60°	615.2	608.9	583.0	559.5	546.9
62.5°	542.2	535.1	507.7	486.5	474.7
65°	466.9	461.4	433.9	415.1	405.7
67.5°	391.5	387.6	358.6	342.9	335.8
70°	317.8	312.3	289.5	283.3	313.1
72.5°	249.5	242.5	222.8	212.6	204.8
75°	185.2	181.3	178.1	171.8	160.1
77.5°	130.3	129.5	118.5	109.9	118.5
80°	89.5	92.6	80.0	73.0	76.1
82.5°	54.9	61.2	47.9	42.4	40.8
85°	27.5	28.2	23.5	22.0	21.2
87.5°	10.2	11.8	10.2	8.6	8.6
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)