

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: P506245

Luminaire Tested: **22PD-35-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-35-PL1-L927  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

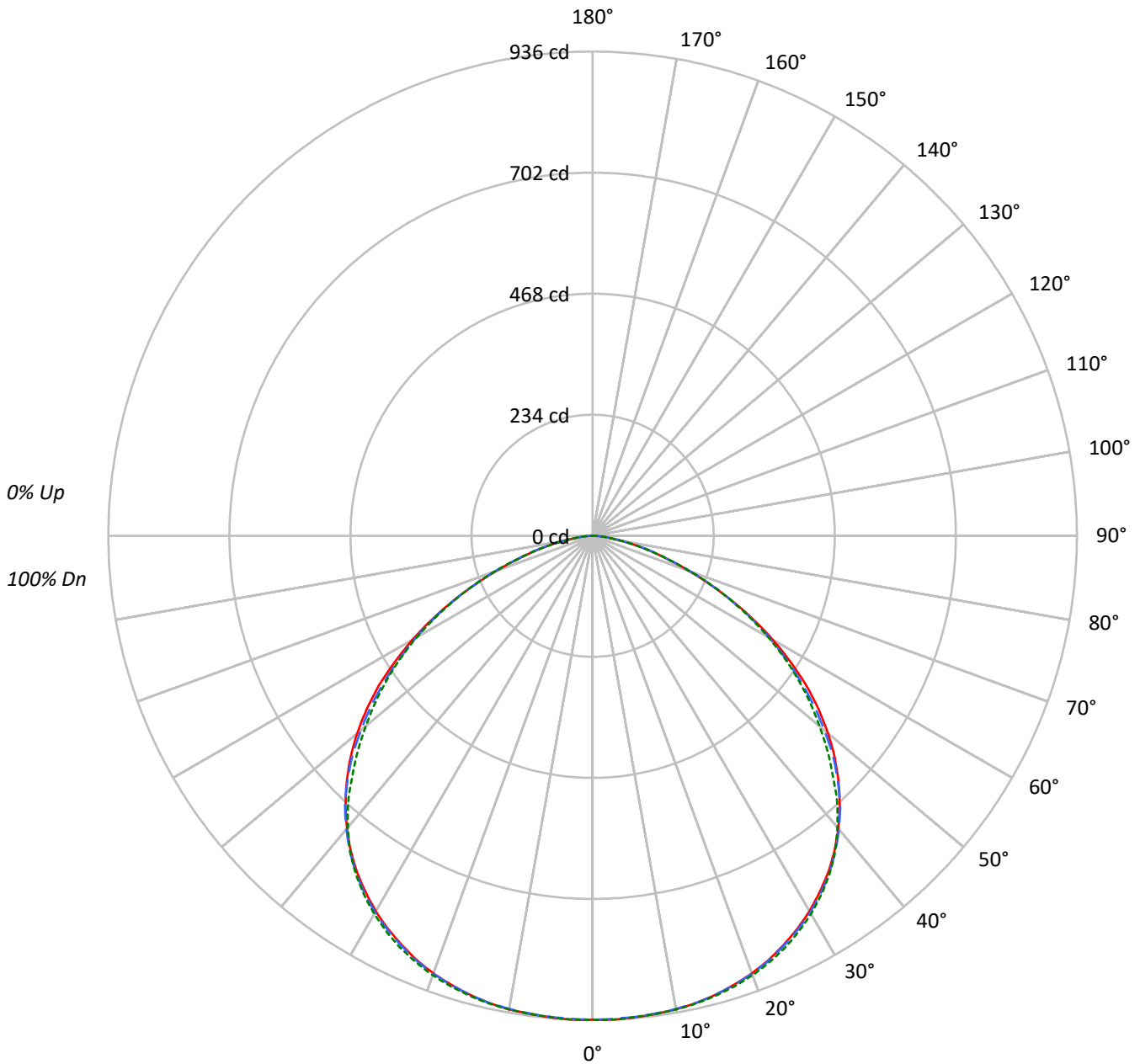
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2650.2 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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: P506245

CATALOG NUMBER: 22PD-35-PL1-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P506245

CATALOG NUMBER: 22PD-35-PL1-L927

**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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2518	2518	2518
5°	2525	2522	2523
10°	2540	2538	2540
15°	2559	2559	2564
20°	2578	2580	2589
25°	2591	2597	2610
30°	2604	2613	2623
35°	2608	2617	2622
40°	2595	2602	2585
45°	2558	2550	2499
50°	2485	2447	2397
55°	2365	2305	2278
60°	2165	2124	2112
65°	1888	1883	1878
70°	1548	1574	1568
75°	1226	1247	1226
80°	899	894	888
85°	599	590	630



TEST NUMBER: P506245

CATALOG NUMBER: 22PD-35-PL1-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.4
10°-20°	259.6	9.8
20°-30°	403.5	15.2
30°-40°	497.5	18.8
40°-50°	513.8	19.4
50°-60°	439.7	16.6
60°-70°	293.4	11.1
70°-80°	128.8	4.9
80°-90°	24.9	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°	752.1	28.4
0°-40°	1249.6	47.2
0°-60°	2203.1	83.1
0°-90°	2650.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2650.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	935	933	934	933	934	89
15°	918	918	918	919	920	260
25°	873	873	875	877	879	403
35°	794	794	797	798	798	496
45°	672	672	670	664	657	517
55°	504	498	491	489	486	448
65°	296	296	296	297	295	294
75°	118	117	120	119	118	128
85°	19	19	19	20	20	25
90°	0	0	0	0	0	



TEST NUMBER: P506245

CATALOG NUMBER: 22PD-35-PL1-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	935.6	935.6	935.6	935.6	935.6
2.5°	936.3	935.0	934.6	934.6	936.3
5°	934.6	933.3	933.7	933.0	934.0
7.5°	932.3	931.0	931.4	931.0	932.3
10°	929.7	928.4	928.7	928.4	929.7
12.5°	925.1	924.1	924.8	925.1	926.1
15°	918.5	917.5	918.5	919.2	920.5
17.5°	909.9	909.3	910.3	911.3	912.9
20°	900.1	899.4	901.0	902.0	904.0
22.5°	887.9	887.2	888.9	891.2	892.5
25°	872.7	872.7	874.7	877.3	879.0
27.5°	856.6	856.2	858.5	861.2	862.8
30°	838.1	837.5	840.8	843.1	844.1
32.5°	816.7	817.0	820.0	822.3	822.6
35°	794.0	794.0	796.6	798.3	798.3
37.5°	767.9	767.6	770.3	770.9	769.9
40°	738.6	739.0	740.6	740.3	736.0
42.5°	707.0	707.3	708.6	704.0	699.8
45°	672.1	671.7	670.1	663.8	656.6
47.5°	634.9	633.2	630.6	621.0	615.7
50°	593.7	591.0	584.4	576.9	572.6
52.5°	550.2	545.6	539.0	533.1	529.4
55°	504.1	497.8	491.2	488.6	485.6
57.5°	452.7	448.7	443.1	441.8	439.8
60°	402.3	398.0	394.7	394.7	392.4
62.5°	349.5	346.9	345.6	346.3	343.9
65°	296.5	295.8	295.8	296.8	294.9
67.5°	245.1	246.4	246.1	249.4	246.8
70°	196.7	199.0	200.0	203.3	199.3
72.5°	154.8	155.2	156.5	157.5	155.5
75°	117.9	117.0	119.9	119.3	117.9
77.5°	85.3	84.7	85.7	86.3	84.7
80°	58.0	57.3	57.7	58.6	57.3
82.5°	36.6	35.9	35.9	36.9	36.6
85°	19.4	19.1	19.1	19.8	20.4
87.5°	6.9	6.6	6.9	6.9	6.9
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)