

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: P506166

Luminaire Tested: **22PD-20-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

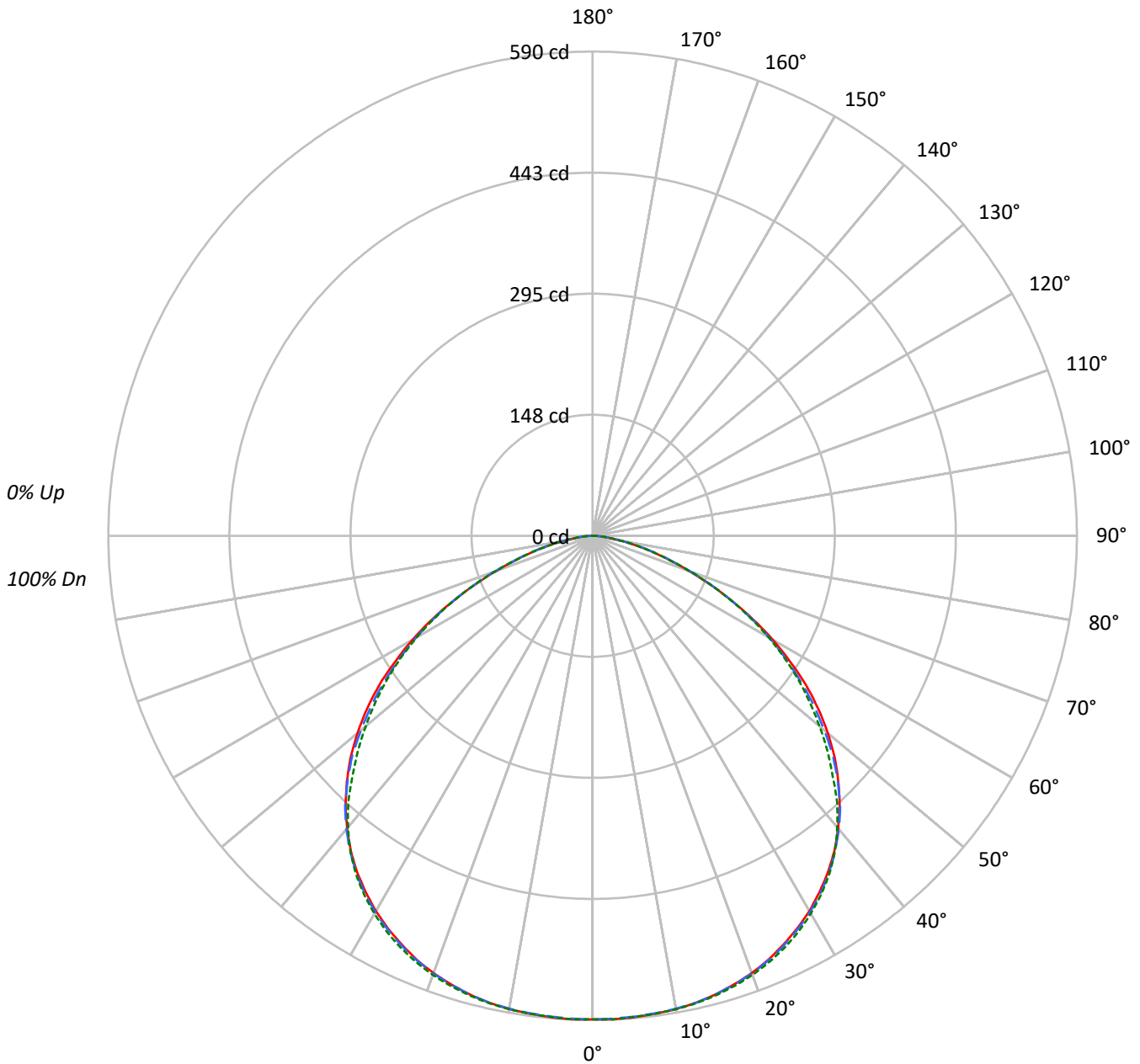
Test Method: LM-79-08  
Report Number: P506166  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-20-PL1-L935  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1669.5 lumens  
Efficiency: N/A  
Efficacy: 103.7 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): 16.1  
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: P506166  
CATALOG NUMBER: 22PD-20-PL1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P506166

CATALOG NUMBER: 22PD-20-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	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	64	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°	1586	1586	1586
5°	1591	1589	1589
10°	1600	1599	1600
15°	1612	1612	1616
20°	1624	1625	1631
25°	1632	1636	1644
30°	1641	1646	1652
35°	1643	1648	1652
40°	1635	1639	1629
45°	1611	1606	1574
50°	1566	1541	1510
55°	1490	1452	1435
60°	1364	1338	1330
65°	1189	1187	1182
70°	975	991	988
75°	773	785	773
80°	566	563	559
85°	377	371	398



TEST NUMBER: P506166

CATALOG NUMBER: 22PD-20-PL1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	3.4
10°-20°	163.5	9.8
20°-30°	254.2	15.2
30°-40°	313.4	18.8
40°-50°	323.7	19.4
50°-60°	277.0	16.6
60°-70°	184.8	11.1
70°-80°	81.1	4.9
80°-90°	15.7	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°	473.8	28.4
0°-40°	787.2	47.2
0°-60°	1387.8	83.1
0°-90°	1669.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	589	588	588	588	588	56
15°	579	578	579	579	580	163
25°	550	550	551	553	554	254
35°	500	500	502	503	503	313
45°	423	423	422	418	414	326
55°	318	314	309	308	306	282
65°	187	186	186	187	186	185
75°	74	74	76	75	74	81
85°	12	12	12	12	13	16
90°	0	0	0	0	0	



TEST NUMBER: P506166

CATALOG NUMBER: 22PD-20-PL1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	589.4	589.4	589.4	589.4	589.4
2.5°	589.8	589.0	588.8	588.8	589.8
5°	588.8	588.0	588.2	587.8	588.4
7.5°	587.3	586.5	586.7	586.5	587.3
10°	585.7	584.9	585.1	584.9	585.7
12.5°	582.8	582.2	582.6	582.8	583.4
15°	578.6	578.0	578.6	579.0	579.9
17.5°	573.2	572.8	573.4	574.1	575.1
20°	567.0	566.6	567.6	568.2	569.5
22.5°	559.3	558.9	559.9	561.4	562.2
25°	549.8	549.8	551.0	552.7	553.7
27.5°	539.6	539.4	540.9	542.5	543.6
30°	528.0	527.6	529.6	531.1	531.7
32.5°	514.5	514.7	516.6	518.0	518.2
35°	500.2	500.2	501.8	502.9	502.9
37.5°	483.8	483.6	485.2	485.6	485.0
40°	465.3	465.5	466.6	466.3	463.6
42.5°	445.4	445.6	446.4	443.5	440.8
45°	423.4	423.2	422.1	418.2	413.6
47.5°	399.9	398.9	397.2	391.2	387.9
50°	374.0	372.3	368.2	363.4	360.7
52.5°	346.6	343.7	339.5	335.8	333.5
55°	317.5	313.6	309.4	307.8	305.9
57.5°	285.2	282.7	279.1	278.3	277.1
60°	253.4	250.7	248.6	248.6	247.2
62.5°	220.2	218.5	217.7	218.1	216.7
65°	186.8	186.4	186.4	187.0	185.7
67.5°	154.4	155.2	155.0	157.1	155.4
70°	123.9	125.4	126.0	128.1	125.6
72.5°	97.5	97.8	98.6	99.2	98.0
75°	74.3	73.7	75.5	75.1	74.3
77.5°	53.8	53.3	54.0	54.4	53.3
80°	36.5	36.1	36.3	36.9	36.1
82.5°	23.0	22.6	22.6	23.2	23.0
85°	12.2	12.0	12.0	12.5	12.9
87.5°	4.4	4.2	4.4	4.4	4.4
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)