

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: P506211

Luminaire Tested: **22PD-25-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

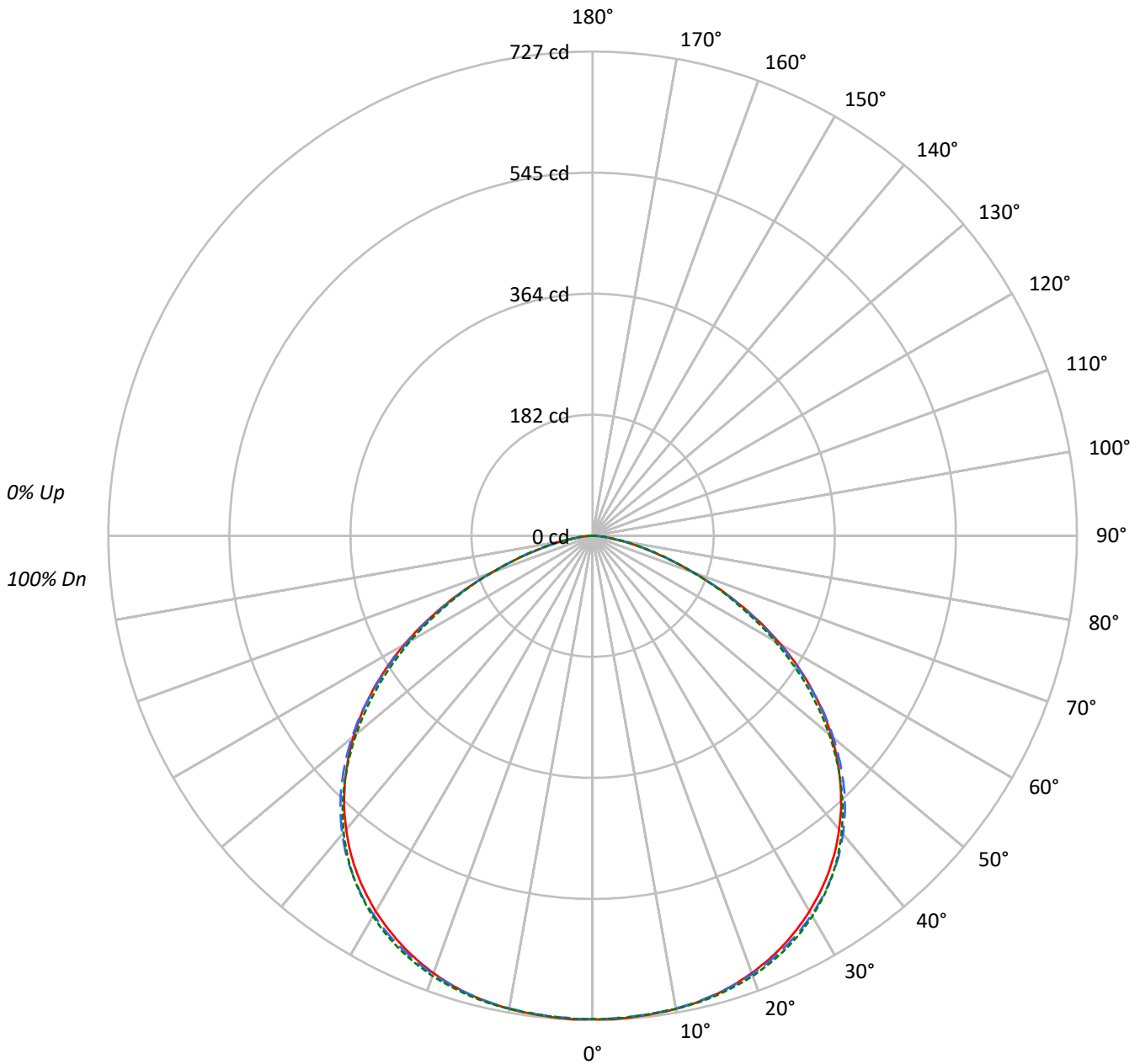
Test Method: LM-79-08  
Report Number: P506211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PW1-L935  
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2098.4 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.9  
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: P506211  
CATALOG NUMBER: 22PD-25-PW1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P506211

CATALOG NUMBER: 22PD-25-PW1-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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	1953	1953	1953
5°	1959	1956	1957
10°	1971	1969	1971
15°	1987	1986	1992
20°	2001	2006	2014
25°	2014	2025	2034
30°	2023	2043	2050
35°	2029	2055	2056
40°	2022	2055	2043
45°	2003	2031	2006
50°	1962	1976	1940
55°	1886	1877	1841
60°	1755	1736	1699
65°	1548	1533	1503
70°	1268	1274	1247
75°	961	993	985
80°	696	724	711
85°	457	472	503



TEST NUMBER: P506211  
 CATALOG NUMBER: 22PD-25-PW1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	3.3
10°-20°	201.6	9.6
20°-30°	314.3	15.0
30°-40°	389.6	18.6
40°-50°	407.6	19.4
50°-60°	355.2	16.9
60°-70°	238.0	11.3
70°-80°	103.2	4.9
80°-90°	19.8	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°	585.0	27.9
0°-40°	974.5	46.4
0°-60°	1737.4	82.8
0°-90°	2098.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	725	724	724	724	724	69
15°	713	712	713	714	715	202
25°	678	678	682	684	685	313
35°	618	620	626	626	626	386
45°	526	529	534	529	527	405
55°	402	402	400	396	392	358
65°	243	242	241	238	236	240
75°	92	94	96	95	95	102
85°	15	16	15	16	16	19
90°	0	0	0	0	0	



TEST NUMBER: P506211

CATALOG NUMBER: 22PD-25-PW1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	725.9	725.9	725.9	725.9	725.9
2.5°	726.7	725.4	725.1	725.1	725.9
5°	725.1	724.4	724.1	723.8	724.4
7.5°	723.6	722.5	722.8	722.3	722.8
10°	721.5	720.5	720.5	720.5	721.3
12.5°	717.9	717.1	717.4	717.9	718.9
15°	713.2	712.2	712.9	713.7	715.0
17.5°	706.7	705.9	707.2	708.5	709.6
20°	698.9	698.2	700.5	702.3	703.3
22.5°	689.3	689.1	692.2	694.3	695.0
25°	678.2	678.4	682.1	684.2	685.2
27.5°	665.5	666.0	670.7	672.5	673.5
30°	651.2	652.5	657.4	659.0	659.8
32.5°	635.1	636.9	642.9	643.9	643.9
35°	617.5	619.8	625.5	626.3	625.8
37.5°	597.8	600.4	606.8	605.8	605.0
40°	575.7	578.6	585.0	583.0	581.7
42.5°	552.1	554.9	560.7	557.5	555.7
45°	526.2	529.0	533.7	529.3	527.2
47.5°	498.1	501.5	503.8	498.9	496.3
50°	468.6	469.6	471.9	466.2	463.4
52.5°	436.4	436.4	438.2	432.0	428.6
55°	401.9	401.6	400.1	395.7	392.5
57.5°	365.3	363.7	362.7	358.0	354.4
60°	326.1	323.8	322.5	318.6	315.7
62.5°	285.1	283.8	282.3	279.2	276.0
65°	243.1	241.8	240.8	238.4	236.1
67.5°	201.3	200.5	200.5	199.0	198.7
70°	161.1	161.6	161.9	161.9	158.5
72.5°	124.8	125.1	126.3	125.3	125.1
75°	92.4	93.9	95.5	94.7	94.7
77.5°	66.4	68.8	68.8	68.2	67.5
80°	44.9	45.9	46.7	46.4	45.9
82.5°	28.5	29.3	28.5	29.1	29.3
85°	14.8	15.8	15.3	15.6	16.3
87.5°	4.9	5.4	5.7	5.4	5.4
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)