

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: P506238

Luminaire Tested: **22PD-30-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

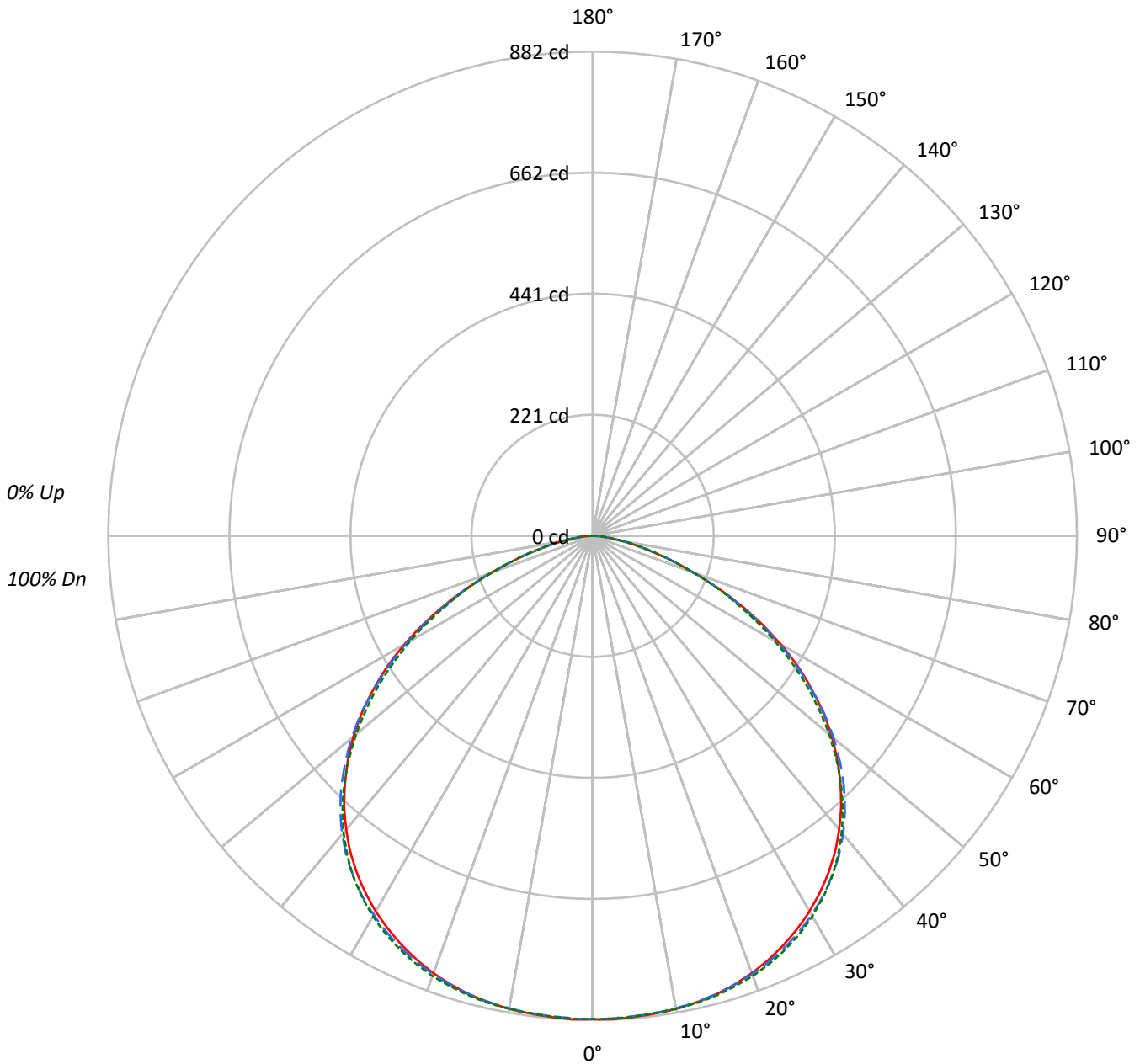
Test Method: LM-79-08  
Report Number: P506238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-30-PW1-L935  
Description: 3000 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: 2545.6 lumens  
Efficiency: N/A  
Efficacy: 103.5 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): 24.6  
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

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### Luminous Intensity Polar Plot





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**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°	2370	2370	2370
5°	2376	2373	2374
10°	2392	2388	2391
15°	2410	2410	2416
20°	2428	2434	2443
25°	2443	2457	2468
30°	2455	2478	2487
35°	2461	2493	2494
40°	2453	2493	2479
45°	2429	2464	2434
50°	2380	2397	2353
55°	2287	2277	2234
60°	2129	2105	2061
65°	1878	1860	1824
70°	1538	1545	1513
75°	1164	1204	1195
80°	843	879	863
85°	553	574	611



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	3.3
10°-20°	244.6	9.6
20°-30°	381.3	15.0
30°-40°	472.6	18.6
40°-50°	494.5	19.4
50°-60°	430.9	16.9
60°-70°	288.7	11.3
70°-80°	125.1	4.9
80°-90°	24.1	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°	709.6	27.9
0°-40°	1182.2	46.4
0°-60°	2107.7	82.8
0°-90°	2545.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2545.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	880	879	878	878	879	84
15°	865	864	865	866	867	244
25°	823	823	827	830	831	379
35°	749	752	759	760	759	468
45°	638	642	647	642	640	492
55°	488	487	485	480	476	434
65°	295	293	292	289	286	292
75°	112	114	116	115	115	123
85°	18	19	19	19	20	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	880.6	880.6	880.6	880.6	880.6
2.5°	881.6	880.0	879.7	879.7	880.6
5°	879.7	878.7	878.4	878.1	878.7
7.5°	877.8	876.5	876.9	876.2	876.9
10°	875.3	874.0	874.0	874.0	875.0
12.5°	870.9	869.9	870.2	870.9	872.1
15°	865.2	864.0	864.9	865.8	867.4
17.5°	857.3	856.4	858.0	859.5	860.8
20°	847.9	847.0	849.8	852.0	853.2
22.5°	836.3	835.9	839.7	842.2	843.2
25°	822.7	823.0	827.4	830.0	831.2
27.5°	807.3	807.9	813.6	815.8	817.1
30°	790.0	791.6	797.5	799.4	800.4
32.5°	770.5	772.7	779.9	781.2	781.2
35°	749.1	751.9	758.8	759.8	759.1
37.5°	725.2	728.3	736.2	734.9	734.0
40°	698.4	701.9	709.7	707.2	705.6
42.5°	669.8	673.2	680.1	676.4	674.2
45°	638.3	641.7	647.4	642.1	639.5
47.5°	604.3	608.4	611.2	605.2	602.1
50°	568.4	569.7	572.5	565.6	562.1
52.5°	529.4	529.4	531.6	524.0	519.9
55°	487.5	487.2	485.3	480.0	476.2
57.5°	443.1	441.3	440.0	434.3	429.9
60°	395.6	392.8	391.2	386.5	383.0
62.5°	345.9	344.3	342.4	338.7	334.9
65°	294.9	293.3	292.1	289.2	286.4
67.5°	244.2	243.3	243.3	241.4	241.1
70°	195.5	196.1	196.4	196.4	192.3
72.5°	151.4	151.7	153.3	152.0	151.7
75°	112.0	113.9	115.8	114.9	114.9
77.5°	80.6	83.4	83.4	82.8	81.8
80°	54.4	55.7	56.7	56.3	55.7
82.5°	34.6	35.6	34.6	35.3	35.6
85°	17.9	19.2	18.6	18.9	19.8
87.5°	6.0	6.6	6.9	6.6	6.6
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)