

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: P506219

Luminaire Tested: **22PD-30-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506219  
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-30-PL1-L930  
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

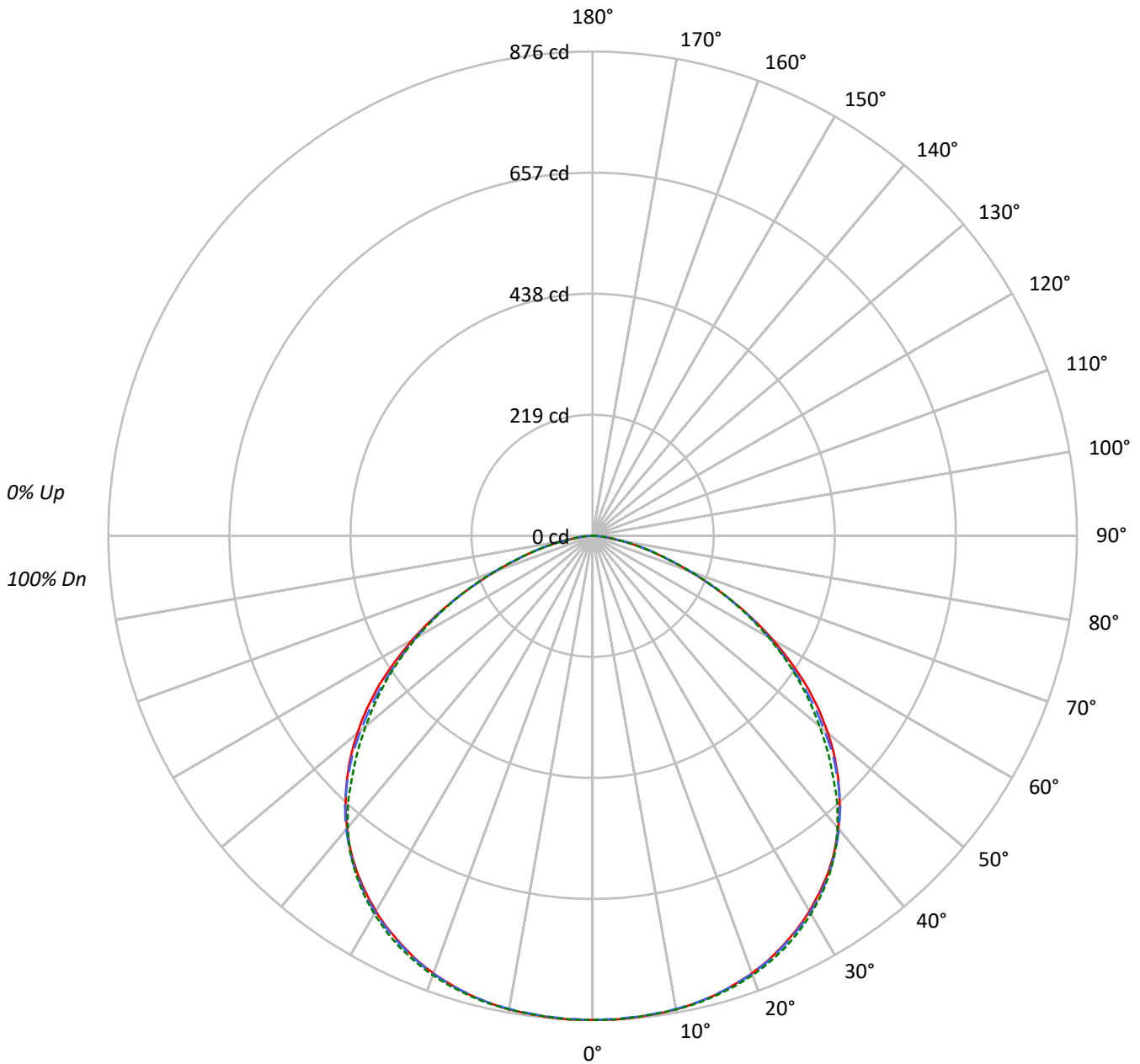
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2480.4 lumens  
Efficiency: N/A  
Efficacy: 100.8 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): 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

TEST NUMBER: P506219

CATALOG NUMBER: 22PD-30-PL1-L930

### 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	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°	2356	2356	2356
5°	2363	2361	2361
10°	2378	2375	2378
15°	2395	2395	2400
20°	2412	2415	2423
25°	2425	2431	2443
30°	2437	2445	2455
35°	2441	2449	2454
40°	2428	2435	2420
45°	2394	2387	2339
50°	2326	2290	2244
55°	2213	2157	2132
60°	2026	1988	1976
65°	1767	1763	1757
70°	1448	1473	1468
75°	1148	1167	1148
80°	841	837	832
85°	562	553	590



TEST NUMBER: P506219

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.3	3.4
10°-20°	243.0	9.8
20°-30°	377.7	15.2
30°-40°	465.6	18.8
40°-50°	480.9	19.4
50°-60°	411.5	16.6
60°-70°	274.6	11.1
70°-80°	120.5	4.9
80°-90°	23.3	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°	703.9	28.4
0°-40°	1169.5	47.2
0°-60°	2061.9	83.1
0°-90°	2480.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	875	874	874	873	874	83
15°	860	859	860	860	862	243
25°	817	817	819	821	823	377
35°	743	743	746	747	747	464
45°	629	629	627	621	614	484
55°	472	466	460	457	454	419
65°	278	277	277	278	276	275
75°	110	110	112	112	110	120
85°	18	18	18	18	19	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	875.7	875.7	875.7	875.7	875.7
2.5°	876.3	875.1	874.8	874.8	876.3
5°	874.8	873.6	873.9	873.2	874.2
7.5°	872.6	871.4	871.7	871.4	872.6
10°	870.2	868.9	869.2	868.9	870.2
12.5°	865.8	864.9	865.5	865.8	866.8
15°	859.7	858.8	859.7	860.3	861.5
17.5°	851.7	851.0	852.0	852.9	854.4
20°	842.4	841.8	843.3	844.3	846.1
22.5°	831.0	830.4	831.9	834.1	835.3
25°	816.8	816.8	818.7	821.1	822.7
27.5°	801.7	801.4	803.6	806.0	807.6
30°	784.4	783.8	786.9	789.1	790.0
32.5°	764.4	764.7	767.5	769.6	770.0
35°	743.1	743.1	745.6	747.1	747.1
37.5°	718.8	718.5	720.9	721.5	720.6
40°	691.3	691.6	693.2	692.9	688.9
42.5°	661.7	662.0	663.3	658.9	654.9
45°	629.0	628.7	627.2	621.3	614.5
47.5°	594.2	592.6	590.2	581.2	576.3
50°	555.6	553.2	547.0	539.9	535.9
52.5°	514.9	510.6	504.5	498.9	495.5
55°	471.8	465.9	459.8	457.3	454.5
57.5°	423.7	420.0	414.7	413.5	411.6
60°	376.5	372.5	369.4	369.4	367.2
62.5°	327.2	324.7	323.5	324.1	321.9
65°	277.5	276.9	276.9	277.8	276.0
67.5°	229.4	230.6	230.3	233.4	231.0
70°	184.1	186.2	187.2	190.3	186.6
72.5°	144.9	145.2	146.5	147.4	145.5
75°	110.4	109.5	112.2	111.6	110.4
77.5°	79.9	79.2	80.2	80.8	79.2
80°	54.3	53.7	54.0	54.9	53.7
82.5°	34.2	33.6	33.6	34.5	34.2
85°	18.2	17.9	17.9	18.5	19.1
87.5°	6.5	6.2	6.5	6.5	6.5
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)