

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: P506309

Luminaire Tested: **22PD-45-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-45-PR1-L930  
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

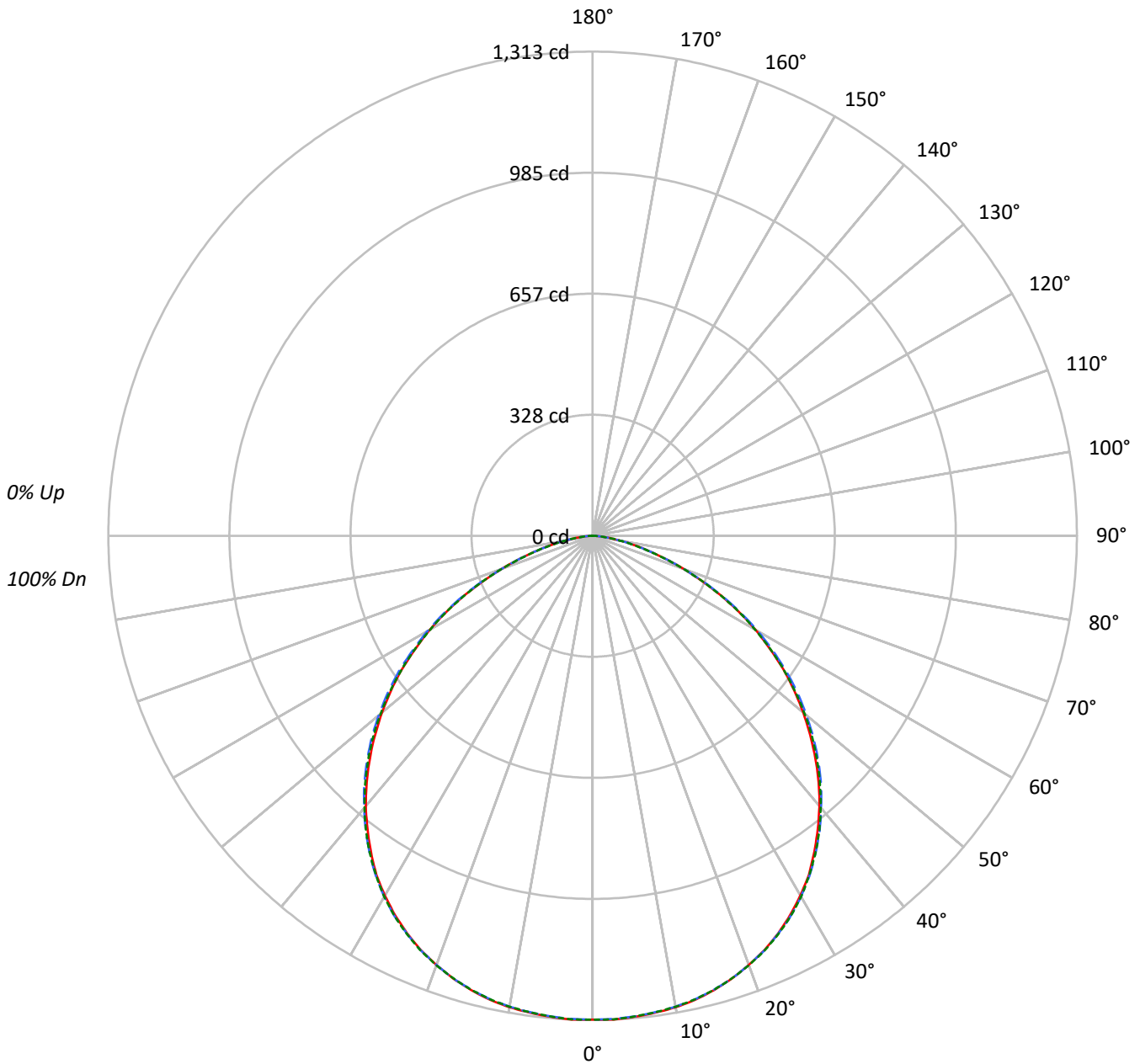
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3507.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.8  
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: P506309

CATALOG NUMBER: 22PD-45-PR1-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P506309

CATALOG NUMBER: 22PD-45-PR1-L930

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85					85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61					61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36					36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3532	3532	3532
5°	3537	3535	3535
10°	3548	3543	3543
15°	3553	3549	3550
20°	3548	3546	3549
25°	3532	3536	3539
30°	3500	3511	3513
35°	3441	3460	3459
40°	3361	3384	3380
45°	3251	3293	3276
50°	3119	3167	3141
55°	2960	3008	2965
60°	2745	2782	2735
65°	2449	2474	2446
70°	2060	2060	2046
75°	1614	1614	1596
80°	1182	1168	1162
85°	772	772	784



TEST NUMBER: P506309

CATALOG NUMBER: 22PD-45-PR1-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.5	3.6
10°-20°	359.7	10.3
20°-30°	548.6	15.6
30°-40°	657.5	18.7
40°-50°	664.0	18.9
50°-60°	568.1	16.2
60°-70°	383.1	10.9
70°-80°	169.0	4.8
80°-90°	32.4	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°	1032.8	29.4
0°-40°	1690.3	48.2
0°-60°	2922.4	83.3
0°-90°	3507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3507.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1309	1308	1308	1308	1308	125
15°	1275	1275	1274	1273	1274	360
25°	1190	1191	1191	1191	1192	548
35°	1048	1054	1053	1052	1053	655
45°	854	861	865	864	861	658
55°	631	637	641	640	632	562
65°	385	388	388	388	384	380
75°	155	156	155	156	154	169
85°	25	25	25	25	25	32
90°	0	0	0	0	0	



TEST NUMBER: P506309

CATALOG NUMBER: 22PD-45-PR1-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1312.4	1312.4	1312.4	1312.4	1312.4
2.5°	1313.3	1311.6	1311.1	1310.7	1312.4
5°	1309.4	1307.6	1308.5	1307.6	1308.5
7.5°	1304.5	1302.8	1303.2	1302.4	1303.2
10°	1298.4	1296.7	1296.7	1295.8	1296.7
12.5°	1288.8	1287.4	1287.0	1286.1	1287.4
15°	1275.2	1274.7	1273.8	1273.4	1274.3
17.5°	1258.5	1257.6	1258.5	1257.2	1258.1
20°	1238.8	1239.2	1238.3	1238.8	1239.2
22.5°	1216.4	1216.4	1216.8	1216.8	1217.7
25°	1189.7	1191.0	1191.0	1191.0	1191.8
27.5°	1159.8	1161.6	1162.9	1162.0	1162.9
30°	1126.5	1129.6	1130.0	1129.6	1130.5
32.5°	1090.6	1092.7	1094.1	1093.2	1092.3
35°	1047.6	1053.7	1053.3	1052.4	1052.8
37.5°	1002.4	1008.6	1010.7	1009.0	1009.4
40°	956.8	962.1	963.4	963.8	962.1
42.5°	906.4	912.5	917.3	915.2	912.5
45°	854.2	860.8	865.2	863.8	860.8
47.5°	800.3	806.4	812.5	810.4	807.3
50°	745.0	751.2	756.4	755.5	750.3
52.5°	688.4	695.5	700.3	698.5	691.5
55°	631.0	636.7	641.1	640.2	631.9
57.5°	568.7	576.2	578.4	577.1	570.9
60°	510.0	514.8	517.0	515.2	508.2
62.5°	447.3	451.2	453.0	452.5	447.7
65°	384.6	387.6	388.5	387.6	384.1
67.5°	320.1	324.5	324.9	324.9	321.4
70°	261.8	263.1	261.8	265.3	260.0
72.5°	205.2	206.1	205.2	205.2	203.0
75°	155.2	155.7	155.2	155.7	153.5
77.5°	112.3	113.1	111.4	112.7	110.5
80°	76.3	76.3	75.4	75.9	75.0
82.5°	47.4	48.2	46.9	46.9	46.5
85°	25.0	25.0	25.0	25.4	25.4
87.5°	8.8	8.8	9.2	9.2	8.8
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)