

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: P506310

Luminaire Tested: **22PD-45-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506310  
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-L935  
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

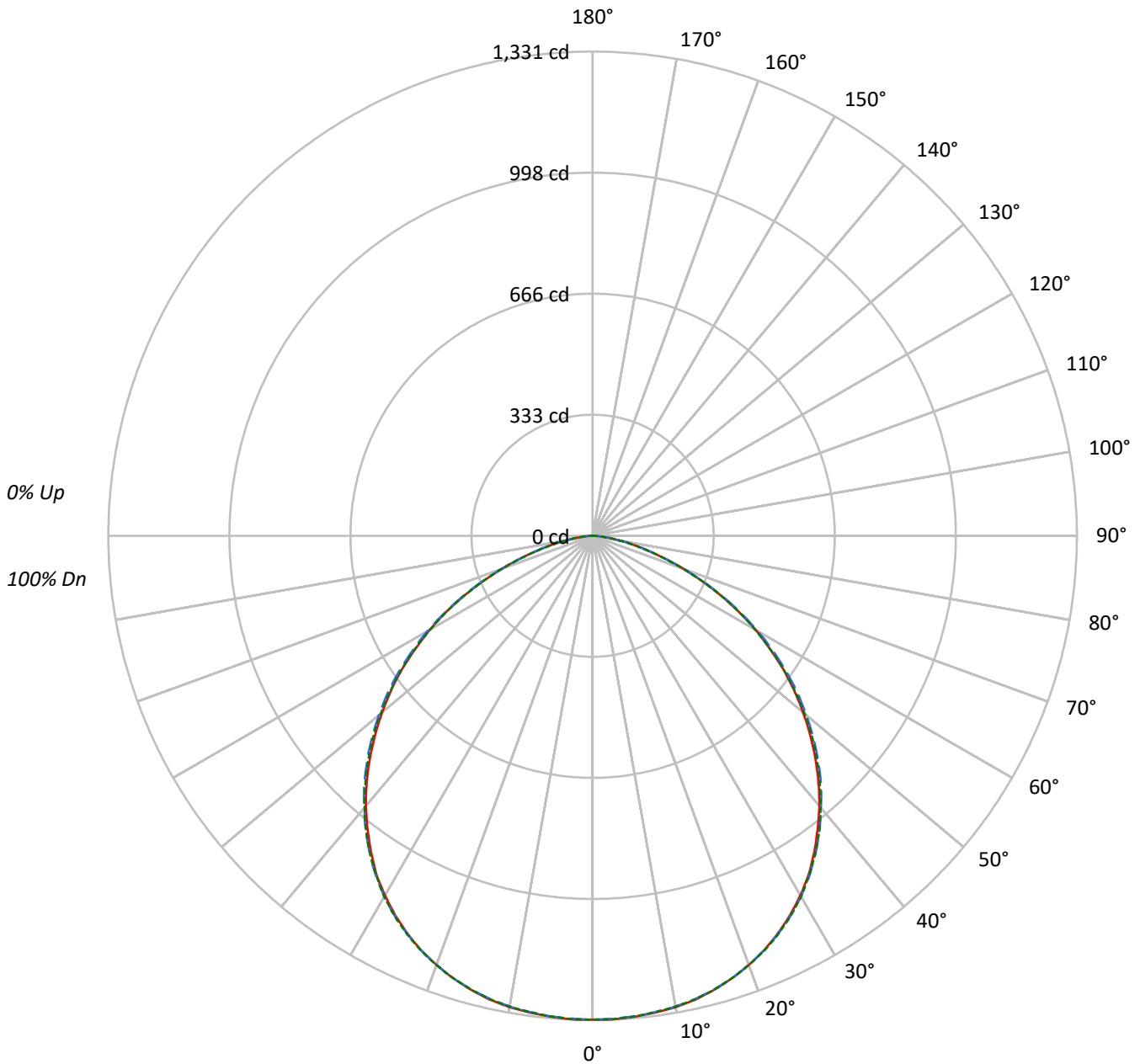
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3554.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 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: P506310

CATALOG NUMBER: 22PD-45-PR1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P506310

CATALOG NUMBER: 22PD-45-PR1-L935

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

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

	0°	45°	90°
0°	3579	3579	3579
5°	3584	3582	3582
10°	3595	3590	3590
15°	3600	3596	3598
20°	3595	3594	3596
25°	3580	3583	3586
30°	3547	3558	3560
35°	3487	3506	3505
40°	3406	3430	3425
45°	3295	3337	3320
50°	3161	3209	3183
55°	3000	3048	3004
60°	2781	2820	2772
65°	2481	2507	2479
70°	2087	2087	2073
75°	1635	1635	1617
80°	1198	1184	1178
85°	781	781	797



TEST NUMBER: P506310

CATALOG NUMBER: 22PD-45-PR1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.2	3.6
10°-20°	364.5	10.3
20°-30°	556.0	15.6
30°-40°	666.3	18.7
40°-50°	672.9	18.9
50°-60°	575.7	16.2
60°-70°	388.2	10.9
70°-80°	171.3	4.8
80°-90°	32.9	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°	1046.6	29.4
0°-40°	1712.9	48.2
0°-60°	2961.6	83.3
0°-90°	3554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3554.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1327	1325	1326	1325	1326	126
15°	1292	1292	1291	1290	1291	365
25°	1206	1207	1207	1207	1208	555
35°	1062	1068	1067	1066	1067	663
45°	866	872	877	875	872	667
55°	640	645	650	649	640	570
65°	390	393	394	393	389	385
75°	157	158	157	158	156	171
85°	25	25	25	26	26	33
90°	0	0	0	0	0	



TEST NUMBER: P506310

CATALOG NUMBER: 22PD-45-PR1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1330.0	1330.0	1330.0	1330.0	1330.0
2.5°	1330.9	1329.1	1328.7	1328.2	1330.0
5°	1326.9	1325.1	1326.0	1325.1	1326.0
7.5°	1322.0	1320.3	1320.7	1319.8	1320.7
10°	1315.8	1314.0	1314.0	1313.1	1314.0
12.5°	1306.0	1304.7	1304.3	1303.4	1304.7
15°	1292.3	1291.8	1290.9	1290.5	1291.4
17.5°	1275.4	1274.5	1275.4	1274.0	1274.9
20°	1255.4	1255.8	1254.9	1255.4	1255.8
22.5°	1232.7	1232.7	1233.2	1233.2	1234.0
25°	1205.6	1206.9	1206.9	1206.9	1207.8
27.5°	1175.4	1177.2	1178.5	1177.6	1178.5
30°	1141.6	1144.7	1145.2	1144.7	1145.6
32.5°	1105.2	1107.4	1108.7	1107.8	1106.9
35°	1061.6	1067.8	1067.4	1066.5	1067.0
37.5°	1015.9	1022.1	1024.3	1022.5	1023.0
40°	969.6	975.0	976.3	976.7	975.0
42.5°	918.5	924.8	929.6	927.4	924.8
45°	865.7	872.3	876.8	875.4	872.3
47.5°	811.0	817.2	823.4	821.2	818.1
50°	755.0	761.2	766.6	765.7	760.3
52.5°	697.7	704.8	709.7	707.9	700.8
55°	639.5	645.2	649.7	648.8	640.4
57.5°	576.4	583.9	586.1	584.8	578.6
60°	516.8	521.7	523.9	522.1	515.0
62.5°	453.3	457.3	459.0	458.6	453.7
65°	389.7	392.8	393.7	392.8	389.3
67.5°	324.4	328.8	329.3	329.3	325.7
70°	265.3	266.6	265.3	268.8	263.5
72.5°	208.0	208.9	208.0	208.0	205.7
75°	157.3	157.8	157.3	157.8	155.5
77.5°	113.8	114.6	112.9	114.2	112.0
80°	77.3	77.3	76.4	76.9	76.0
82.5°	48.0	48.9	47.5	47.5	47.1
85°	25.3	25.3	25.3	25.8	25.8
87.5°	8.9	8.9	9.3	9.3	8.9
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)