

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: P506282

Luminaire Tested: **22PD-40-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506282  
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-40-PR1-L930  
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

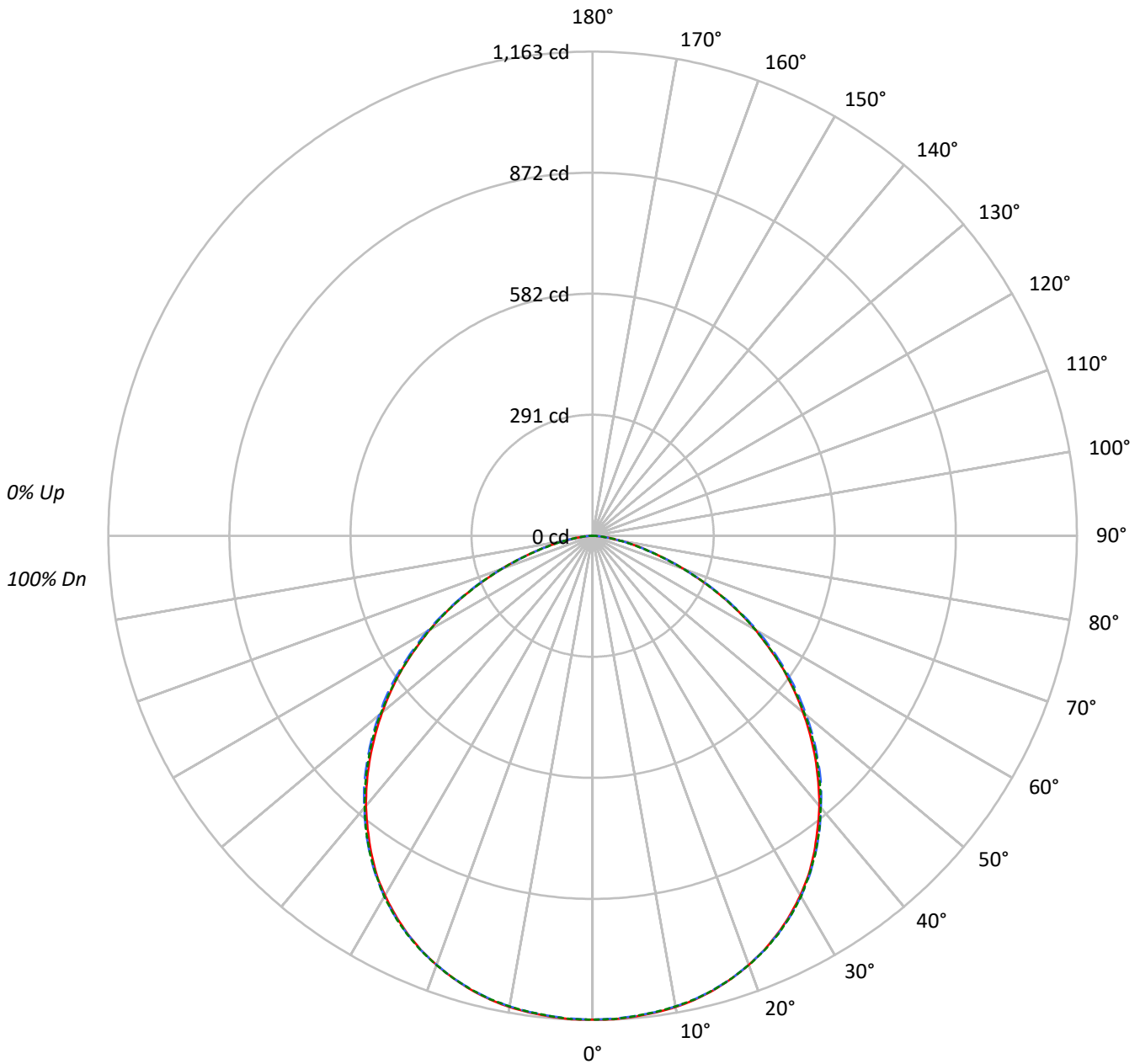
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3105.0 lumens  
Efficiency: N/A  
Efficacy: 95.2 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): 32.6  
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: P506282

CATALOG NUMBER: 22PD-40-PR1-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P506282

CATALOG NUMBER: 22PD-40-PR1-L930

**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	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°	3127	3127	3127
5°	3132	3129	3129
10°	3141	3137	3137
15°	3145	3142	3143
20°	3141	3140	3142
25°	3127	3131	3133
30°	3099	3109	3110
35°	3047	3063	3062
40°	2976	2996	2992
45°	2878	2915	2900
50°	2761	2804	2781
55°	2621	2663	2625
60°	2430	2463	2422
65°	2168	2190	2166
70°	1824	1824	1811
75°	1429	1429	1413
80°	1048	1035	1029
85°	682	682	695



TEST NUMBER: P506282

CATALOG NUMBER: 22PD-40-PR1-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	3.6
10°-20°	318.4	10.3
20°-30°	485.7	15.6
30°-40°	582.1	18.7
40°-50°	587.9	18.9
50°-60°	503.0	16.2
60°-70°	339.2	10.9
70°-80°	149.7	4.8
80°-90°	28.7	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°	914.4	29.4
0°-40°	1496.5	48.2
0°-60°	2587.4	83.3
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1159	1158	1158	1158	1158	110
15°	1129	1129	1128	1127	1128	319
25°	1053	1054	1054	1054	1055	485
35°	928	933	932	932	932	580
45°	756	762	766	765	762	583
55°	559	564	568	567	560	498
65°	340	343	344	343	340	336
75°	137	138	137	138	136	150
85°	22	22	22	22	22	29
90°	0	0	0	0	0	



TEST NUMBER: P506282

CATALOG NUMBER: 22PD-40-PR1-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1162.0	1162.0	1162.0	1162.0	1162.0
2.5°	1162.8	1161.2	1160.8	1160.4	1162.0
5°	1159.3	1157.7	1158.5	1157.7	1158.5
7.5°	1155.0	1153.5	1153.8	1153.1	1153.8
10°	1149.6	1148.0	1148.0	1147.2	1148.0
12.5°	1141.0	1139.9	1139.5	1138.7	1139.9
15°	1129.0	1128.6	1127.8	1127.4	1128.2
17.5°	1114.2	1113.5	1114.2	1113.1	1113.9
20°	1096.8	1097.2	1096.4	1096.8	1097.2
22.5°	1077.0	1077.0	1077.4	1077.4	1078.1
25°	1053.3	1054.5	1054.5	1054.5	1055.2
27.5°	1026.9	1028.4	1029.6	1028.8	1029.6
30°	997.4	1000.1	1000.5	1000.1	1000.9
32.5°	965.5	967.5	968.7	967.9	967.1
35°	927.5	932.9	932.5	931.8	932.2
37.5°	887.5	892.9	894.9	893.3	893.7
40°	847.1	851.8	853.0	853.3	851.8
42.5°	802.5	807.9	812.2	810.3	807.9
45°	756.3	762.1	766.0	764.8	762.1
47.5°	708.5	714.0	719.4	717.5	714.7
50°	659.6	665.1	669.7	668.9	664.3
52.5°	609.5	615.7	620.0	618.5	612.3
55°	558.7	563.7	567.6	566.8	559.5
57.5°	503.5	510.1	512.1	510.9	505.5
60°	451.5	455.8	457.7	456.2	450.0
62.5°	396.0	399.5	401.0	400.7	396.4
65°	340.5	343.2	344.0	343.2	340.1
67.5°	283.4	287.3	287.7	287.7	284.6
70°	231.8	232.9	231.8	234.9	230.2
72.5°	181.7	182.5	181.7	181.7	179.8
75°	137.4	137.8	137.4	137.8	135.9
77.5°	99.4	100.2	98.6	99.8	97.8
80°	67.6	67.6	66.8	67.2	66.4
82.5°	41.9	42.7	41.5	41.5	41.2
85°	22.1	22.1	22.1	22.5	22.5
87.5°	7.8	7.8	8.2	8.2	7.8
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)