

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: P505923

Luminaire Tested: **14PD-40-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

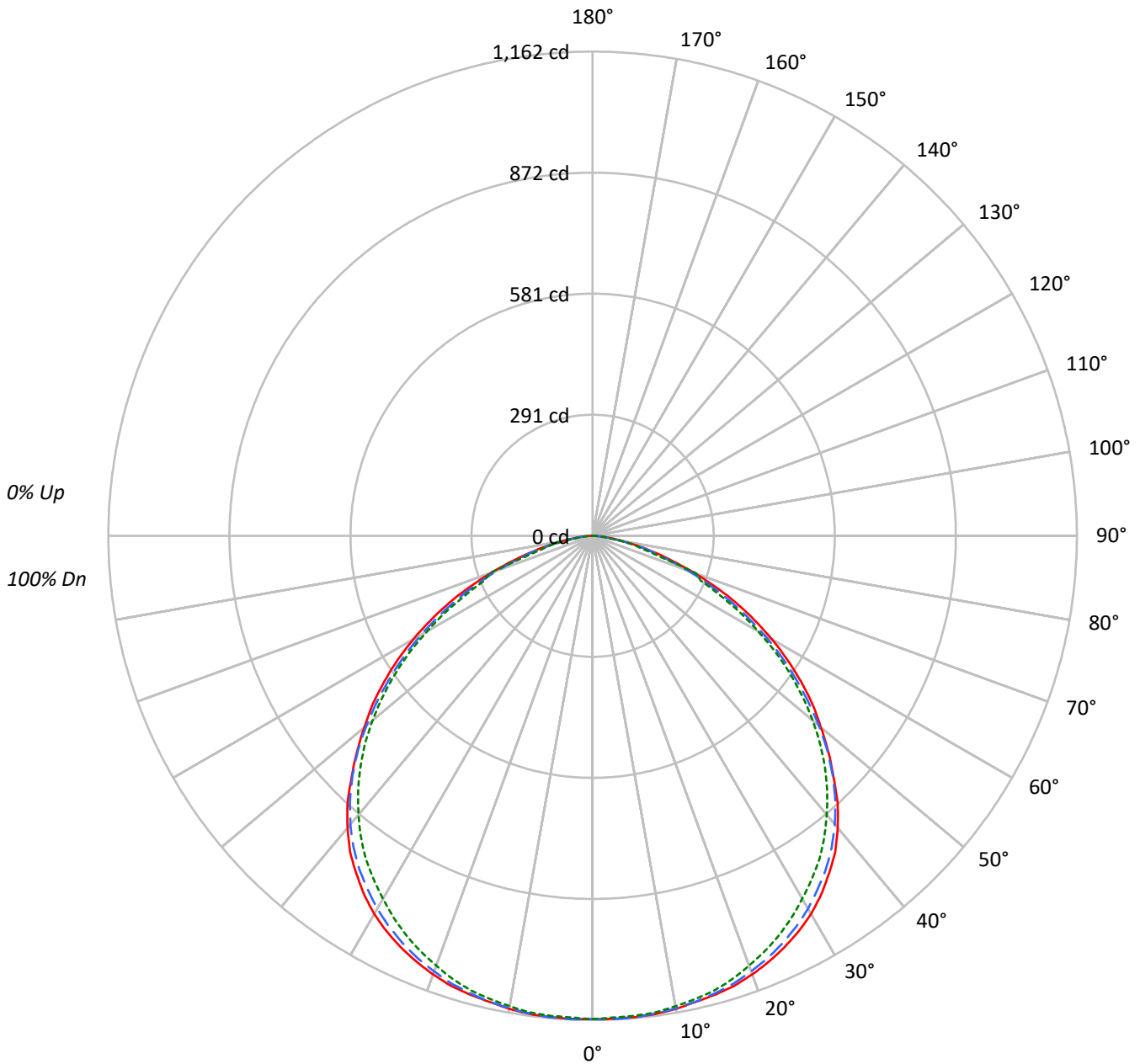
Test Method: LM-79-08  
Report Number: P505923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PL1-L935  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3224.6 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 1' x L: 4' 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

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### Luminous Intensity Polar Plot





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

RF	20				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35				35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31				31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25				25

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

	0°	45°	90°
0°	3122	3122	3122
5°	3132	3134	3124
10°	3149	3146	3132
15°	3175	3166	3147
20°	3208	3186	3144
25°	3235	3203	3142
30°	3257	3211	3126
35°	3248	3207	3115
40°	3214	3176	3071
45°	3111	3101	3002
50°	2993	2966	2886
55°	2864	2780	2717
60°	2675	2555	2469
65°	2410	2260	2138
70°	2015	1890	2076
75°	1590	1530	1325
80°	1145	1017	1037
85°	729	611	571



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	3.4
10°-20°	320.6	9.9
20°-30°	495.8	15.4
30°-40°	606.8	18.8
40°-50°	622.0	19.3
50°-60°	529.8	16.4
60°-70°	354.0	11.0
70°-80°	156.9	4.9
80°-90°	28.4	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°	926.7	28.7
0°-40°	1533.5	47.6
0°-60°	2685.3	83.3
0°-90°	3224.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3224.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1160	1157	1160	1160	1156	110
15°	1140	1136	1137	1134	1130	322
25°	1090	1086	1079	1065	1058	502
35°	989	986	976	954	948	618
45°	817	820	815	796	789	631
55°	610	607	592	580	579	545
65°	378	375	355	339	336	373
75°	153	155	147	148	127	166
85°	24	23	20	19	18	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1160.2	1160.2	1160.2	1160.2	1160.2
2.5°	1160.2	1158.3	1161.5	1162.8	1157.0
5°	1159.6	1157.0	1160.2	1159.6	1156.4
7.5°	1157.7	1153.2	1156.4	1155.1	1153.8
10°	1152.6	1148.8	1151.3	1149.4	1146.2
12.5°	1145.6	1143.0	1144.9	1143.0	1138.6
15°	1139.8	1136.0	1136.6	1133.5	1129.6
17.5°	1132.2	1126.5	1126.5	1120.1	1115.6
20°	1120.1	1115.0	1112.4	1103.5	1097.8
22.5°	1106.1	1102.2	1097.1	1085.7	1079.3
25°	1089.5	1085.7	1078.7	1064.7	1058.3
27.5°	1070.4	1065.3	1057.6	1041.1	1033.4
30°	1048.1	1041.7	1033.4	1015.0	1006.0
32.5°	1020.7	1016.2	1005.4	986.3	978.0
35°	988.8	986.3	976.1	954.4	948.1
37.5°	956.3	951.2	942.3	919.4	913.0
40°	914.9	911.7	904.1	881.8	874.1
42.5°	870.3	868.4	862.0	841.0	832.7
45°	817.4	820.0	814.9	796.4	788.8
47.5°	767.1	765.8	763.9	747.4	741.0
50°	714.9	712.3	708.5	695.1	689.4
52.5°	665.8	660.7	650.5	639.0	635.2
55°	610.4	607.2	592.5	580.4	579.2
57.5°	554.3	552.4	534.6	520.5	520.5
60°	497.0	494.4	474.7	460.0	458.7
62.5°	437.1	435.2	414.8	398.2	398.8
65°	378.5	375.3	354.9	339.0	335.8
67.5°	317.3	316.0	296.3	281.6	280.3
70°	256.1	256.1	240.2	227.5	263.8
72.5°	202.0	200.1	187.3	181.6	173.3
75°	152.9	154.8	147.2	147.8	127.4
77.5°	108.9	105.8	102.6	95.6	101.3
80°	73.9	72.0	65.6	63.7	66.9
82.5°	45.9	46.5	40.8	37.0	36.3
85°	23.6	22.9	19.8	19.1	18.5
87.5°	8.9	9.6	8.3	7.6	7.0
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)