

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: P505927

Luminaire Tested: **14PD-40-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PR1-L835  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

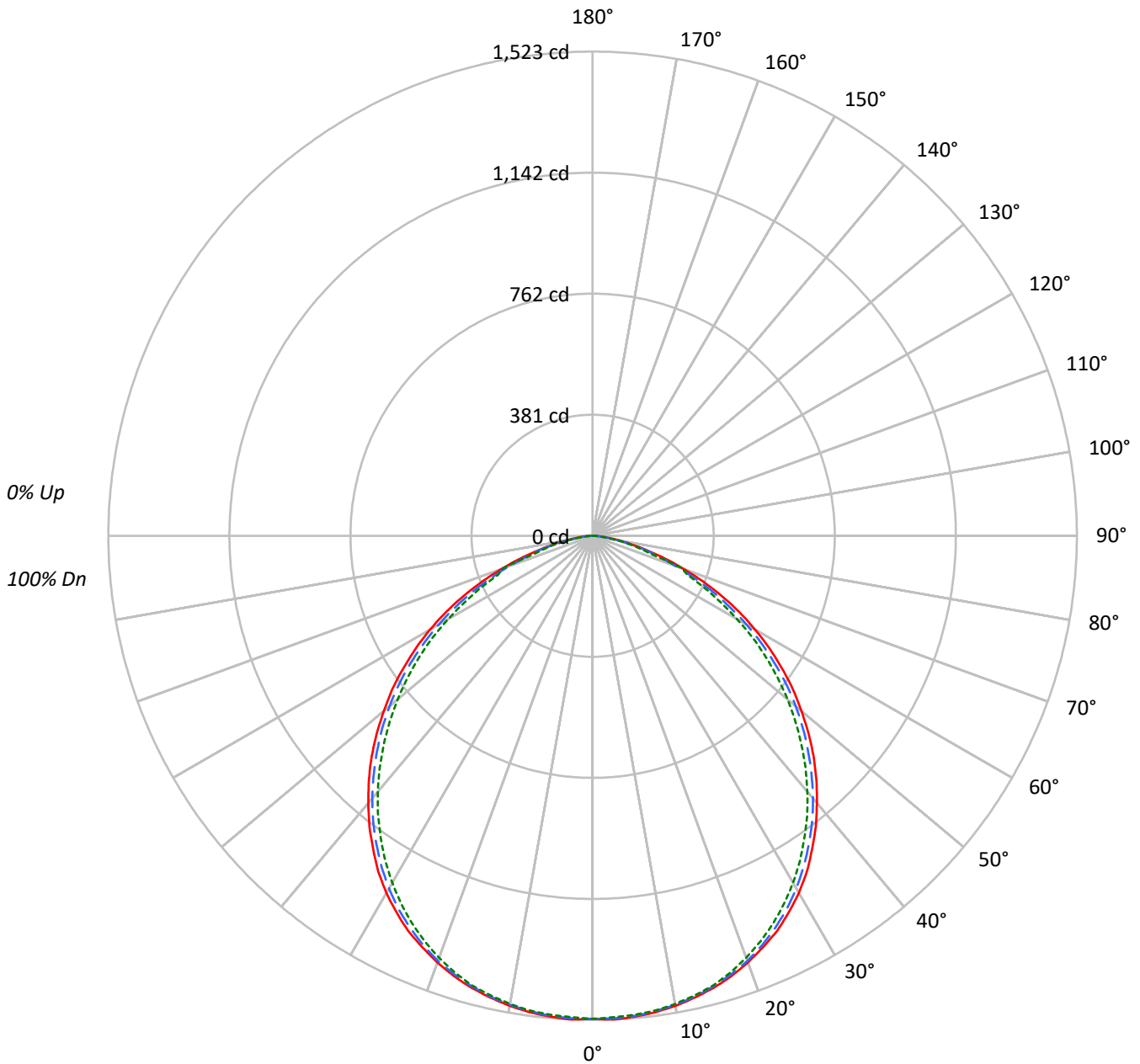
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3910.0 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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

TEST NUMBER: P505927

CATALOG NUMBER: 14PD-40-PR1-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P505927

CATALOG NUMBER: 14PD-40-PR1-L835

**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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	4088	4088	4088
5°	4102	4096	4086
10°	4102	4094	4086
15°	4101	4088	4080
20°	4090	4075	4045
25°	4073	4037	3993
30°	4031	3980	3917
35°	3953	3893	3814
40°	3854	3788	3690
45°	3740	3648	3534
50°	3585	3491	3349
55°	3410	3276	3121
60°	3175	3009	2823
65°	2851	2649	2477
70°	2398	2185	2363
75°	1847	1776	1596
80°	1330	1190	1131
85°	812	698	627



TEST NUMBER: P505927

CATALOG NUMBER: 14PD-40-PR1-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.0	3.7
10°-20°	413.7	10.6
20°-30°	624.9	16.0
30°-40°	739.4	18.9
40°-50°	737.2	18.9
50°-60°	622.8	15.9
60°-70°	415.0	10.6
70°-80°	180.3	4.6
80°-90°	32.7	0.8
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°	1182.7	30.2
0°-40°	1922.1	49.2
0°-60°	3282.1	83.9
0°-90°	3910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1519	1512	1516	1515	1512	144
15°	1472	1465	1467	1465	1464	415
25°	1372	1363	1360	1348	1345	631
35°	1203	1195	1185	1169	1161	752
45°	983	974	959	938	929	757
55°	727	722	698	676	665	649
65°	448	442	416	398	389	443
75°	178	174	171	165	154	194
85°	26	27	23	21	20	36
90°	0	0	0	0	0	



TEST NUMBER: P505927

CATALOG NUMBER: 14PD-40-PR1-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1519.3	1519.3	1519.3	1519.3	1519.3
2.5°	1523.1	1516.3	1519.3	1519.3	1515.6
5°	1518.6	1512.5	1516.3	1514.8	1512.5
7.5°	1511.8	1505.8	1508.0	1507.3	1506.5
10°	1501.3	1495.2	1498.2	1496.7	1495.2
12.5°	1487.7	1481.7	1484.7	1482.4	1480.9
15°	1471.9	1465.1	1467.4	1465.1	1464.4
17.5°	1452.3	1445.6	1446.3	1443.3	1440.3
20°	1428.3	1422.2	1423.0	1415.5	1412.5
22.5°	1400.4	1394.4	1393.7	1383.9	1380.1
25°	1371.8	1362.8	1359.8	1347.7	1344.7
27.5°	1335.7	1327.4	1322.9	1310.1	1304.1
30°	1297.3	1288.3	1280.8	1266.5	1260.5
32.5°	1253.7	1244.7	1234.9	1219.8	1213.0
35°	1203.3	1195.0	1185.2	1169.4	1161.1
37.5°	1152.8	1143.8	1134.0	1115.2	1108.4
40°	1097.2	1088.9	1078.3	1058.0	1050.5
42.5°	1041.5	1031.7	1018.9	999.3	991.1
45°	982.8	973.7	958.7	938.4	928.6
47.5°	921.1	913.5	897.7	875.9	865.4
50°	856.4	850.3	833.8	809.7	799.9
52.5°	794.7	786.4	767.6	743.5	732.9
55°	726.9	721.7	698.3	675.8	665.2
57.5°	659.2	652.4	629.1	606.5	596.7
60°	590.0	583.9	559.1	536.5	524.5
62.5°	520.0	513.2	486.9	466.6	455.3
65°	447.7	442.5	416.1	398.1	389.0
67.5°	375.5	371.7	343.9	328.8	322.1
70°	304.8	299.5	277.7	271.7	300.3
72.5°	239.3	232.5	213.7	203.9	196.4
75°	177.6	173.8	170.8	164.8	153.5
77.5°	124.9	124.2	113.6	105.4	113.6
80°	85.8	88.8	76.8	70.0	73.0
82.5°	52.7	58.7	45.9	40.6	39.1
85°	26.3	27.1	22.6	21.1	20.3
87.5°	9.8	11.3	9.8	8.3	8.3
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)