

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: P505899

Luminaire Tested: **14PD-35-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505899  
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-35-PR1-L830  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

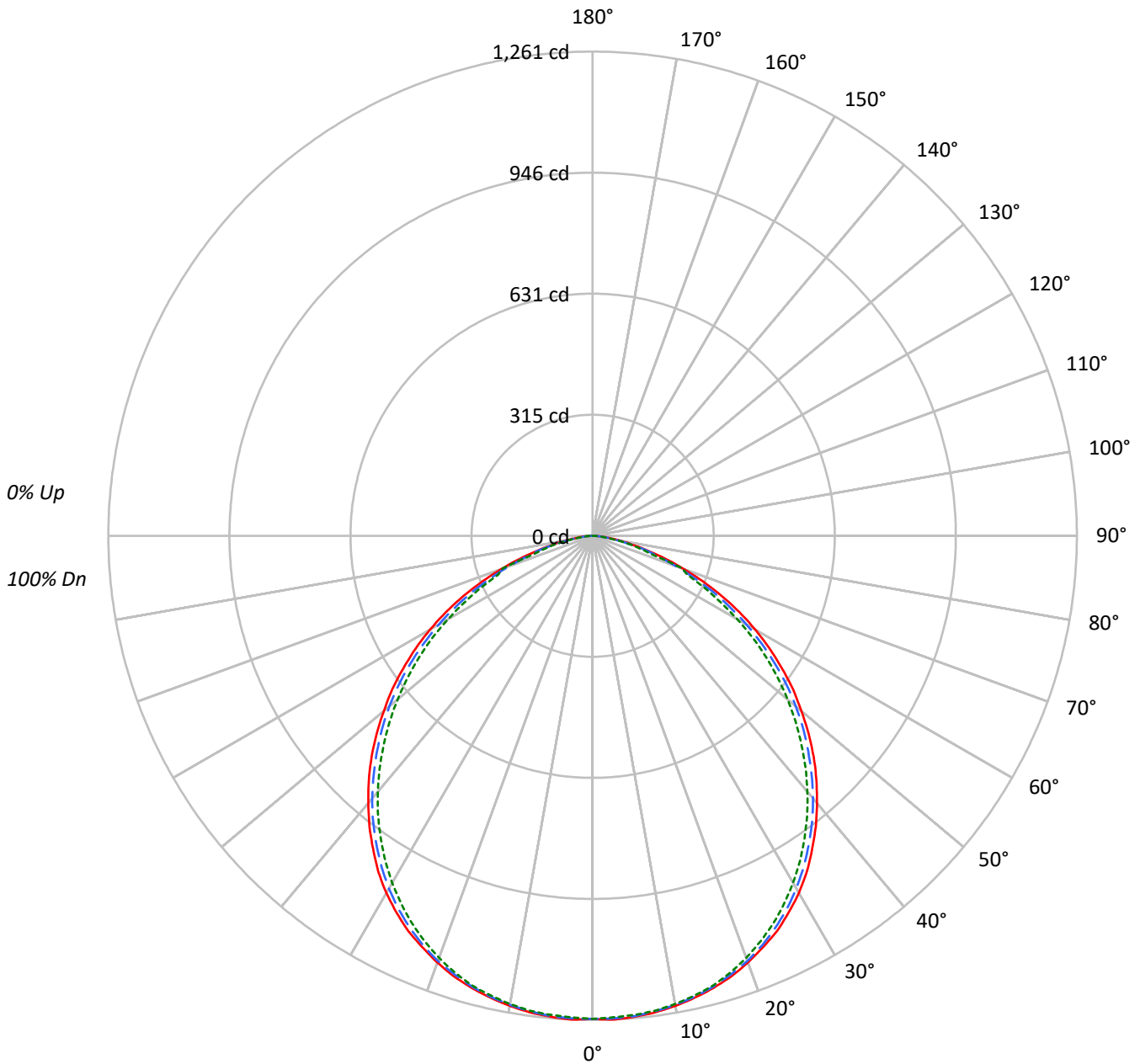
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3238.0 lumens  
Efficiency: N/A  
Efficacy: 101.8 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): 31.8  
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: P505899

CATALOG NUMBER: 14PD-35-PR1-L830

### Luminous Intensity Polar Plot





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**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	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°	3386	3386	3386
5°	3397	3392	3384
10°	3397	3390	3384
15°	3396	3385	3378
20°	3387	3375	3350
25°	3373	3344	3306
30°	3338	3296	3243
35°	3274	3224	3159
40°	3192	3137	3056
45°	3097	3021	2927
50°	2969	2891	2773
55°	2824	2713	2585
60°	2630	2492	2338
65°	2361	2194	2052
70°	1986	1810	1956
75°	1529	1471	1321
80°	1100	986	936
85°	673	577	519



TEST NUMBER: P505899

CATALOG NUMBER: 14PD-35-PR1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.7
10°-20°	342.6	10.6
20°-30°	517.5	16.0
30°-40°	612.3	18.9
40°-50°	610.5	18.9
50°-60°	515.8	15.9
60°-70°	343.6	10.6
70°-80°	149.3	4.6
80°-90°	27.1	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°	979.4	30.2
0°-40°	1591.7	49.2
0°-60°	2718.0	83.9
0°-90°	3238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3238.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1258	1253	1256	1254	1253	120
15°	1219	1213	1215	1213	1213	344
25°	1136	1129	1126	1116	1114	523
35°	996	990	982	968	962	623
45°	814	806	794	777	769	627
55°	602	598	578	560	551	537
65°	371	366	345	330	322	366
75°	147	144	142	136	127	161
85°	22	22	19	17	17	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1258.2	1258.2	1258.2	1258.2	1258.2
2.5°	1261.3	1255.7	1258.2	1258.2	1255.1
5°	1257.6	1252.6	1255.7	1254.5	1252.6
7.5°	1252.0	1247.0	1248.9	1248.2	1247.6
10°	1243.2	1238.3	1240.7	1239.5	1238.3
12.5°	1232.0	1227.0	1229.5	1227.7	1226.4
15°	1218.9	1213.3	1215.2	1213.3	1212.7
17.5°	1202.7	1197.1	1197.8	1195.3	1192.8
20°	1182.8	1177.8	1178.4	1172.2	1169.7
22.5°	1159.7	1154.8	1154.1	1146.0	1142.9
25°	1136.1	1128.6	1126.1	1116.1	1113.6
27.5°	1106.1	1099.3	1095.5	1085.0	1080.0
30°	1074.4	1066.9	1060.7	1048.8	1043.8
32.5°	1038.2	1030.7	1022.6	1010.2	1004.6
35°	996.5	989.6	981.5	968.4	961.6
37.5°	954.7	947.2	939.1	923.6	917.9
40°	908.6	901.7	893.0	876.2	870.0
42.5°	862.5	854.4	843.8	827.6	820.7
45°	813.9	806.4	793.9	777.1	769.0
47.5°	762.8	756.5	743.5	725.4	716.7
50°	709.2	704.2	690.5	670.5	662.4
52.5°	658.1	651.2	635.6	615.7	607.0
55°	602.0	597.6	578.3	559.6	550.9
57.5°	545.9	540.3	521.0	502.3	494.2
60°	488.6	483.6	463.0	444.3	434.4
62.5°	430.6	425.0	403.2	386.4	377.0
65°	370.8	366.4	344.6	329.7	322.2
67.5°	311.0	307.9	284.8	272.3	266.7
70°	252.4	248.0	230.0	225.0	248.6
72.5°	198.2	192.6	177.0	168.9	162.6
75°	147.1	144.0	141.5	136.5	127.1
77.5°	103.4	102.8	94.1	87.2	94.1
80°	71.0	73.5	63.6	58.0	60.4
82.5°	43.6	48.6	38.0	33.7	32.4
85°	21.8	22.4	18.7	17.4	16.8
87.5°	8.1	9.3	8.1	6.9	6.9
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)