

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: P505890

Luminaire Tested: **14PD-35-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

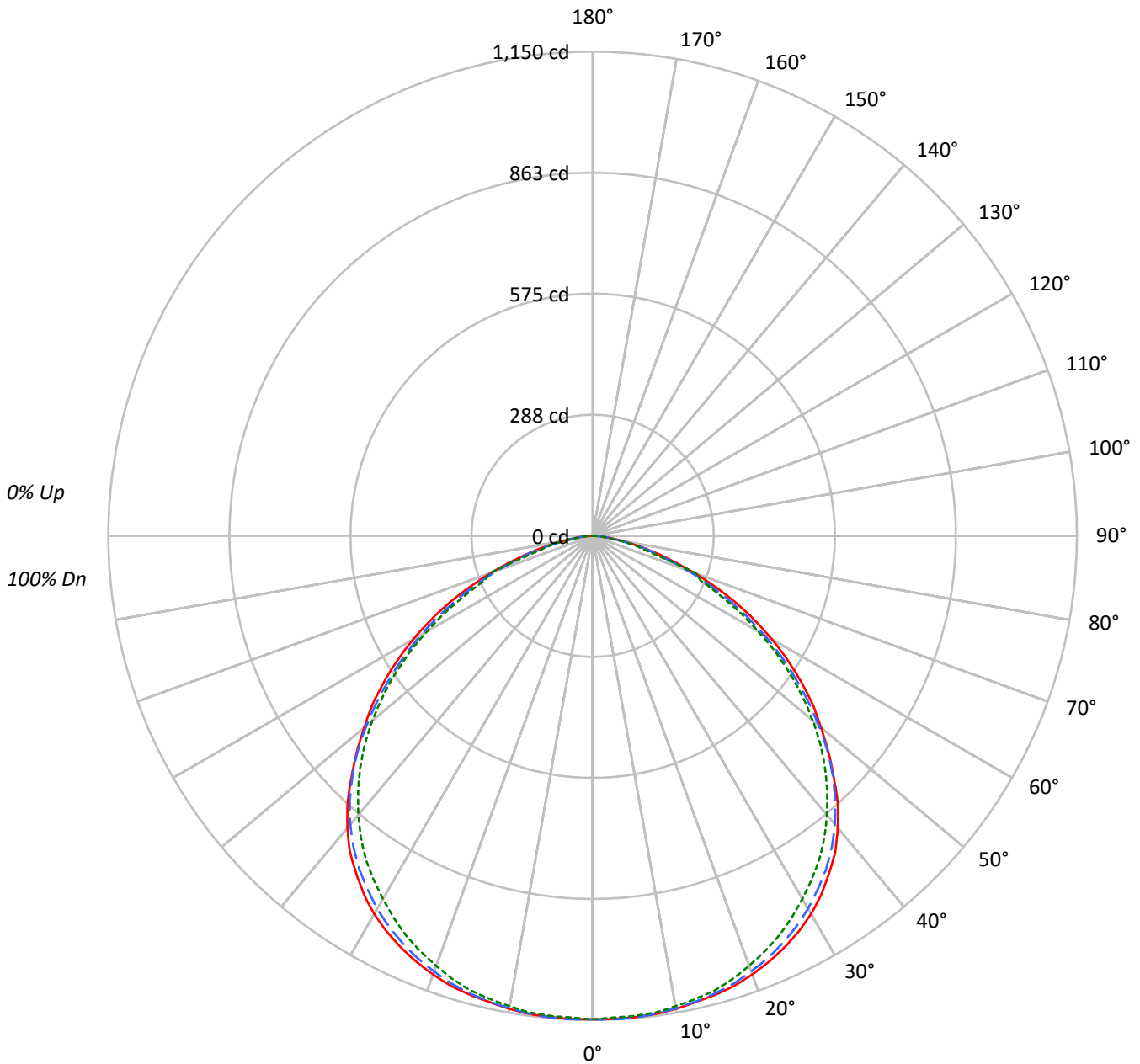
Test Method: LM-79-08  
Report Number: P505890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PL1-L830  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3192.0 lumens  
Efficiency: N/A  
Efficacy: 100.4 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): 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

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### Luminous Intensity Polar Plot





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

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

	0°	45°	90°
0°	3091	3091	3091
5°	3101	3102	3092
10°	3117	3114	3100
15°	3143	3134	3115
20°	3175	3153	3112
25°	3202	3170	3110
30°	3224	3179	3094
35°	3215	3174	3083
40°	3182	3144	3040
45°	3080	3070	2971
50°	2962	2936	2857
55°	2835	2752	2690
60°	2647	2529	2444
65°	2385	2237	2117
70°	1995	1871	2054
75°	1574	1515	1311
80°	1134	1007	1026
85°	719	605	565



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.2	3.4
10°-20°	317.4	9.9
20°-30°	490.7	15.4
30°-40°	600.6	18.8
40°-50°	615.7	19.3
50°-60°	524.4	16.4
60°-70°	350.5	11.0
70°-80°	155.3	4.9
80°-90°	28.1	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°	917.3	28.7
0°-40°	1517.9	47.6
0°-60°	2658.1	83.3
0°-90°	3192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3192.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1148	1145	1148	1148	1145	109
15°	1128	1124	1125	1122	1118	319
25°	1078	1075	1068	1054	1048	497
35°	979	976	966	945	938	612
45°	809	812	807	788	781	625
55°	604	601	586	574	573	539
65°	375	372	351	336	332	369
75°	151	153	146	146	126	164
85°	23	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°	1148.5	1148.5	1148.5	<i>1148.5</i>	1148.5
2.5°	<i>1148.5</i>	<i>1146.6</i>	<i>1149.7</i>	<i>1151.0</i>	<i>1145.3</i>
5°	1147.8	1145.3	1148.5	<i>1147.8</i>	1144.7
7.5°	1145.9	1141.5	1144.7	<i>1143.4</i>	1142.2
10°	1140.9	1137.1	1139.6	<i>1137.7</i>	1134.6
12.5°	1134.0	1131.4	1133.3	<i>1131.4</i>	1127.0
15°	1128.3	1124.5	1125.1	<i>1122.0</i>	1118.2
17.5°	1120.7	1115.0	1115.0	<i>1108.7</i>	1104.3
20°	1108.7	1103.7	1101.2	<i>1092.3</i>	1086.7
22.5°	1094.9	1091.1	1086.0	<i>1074.7</i>	1068.4
25°	1078.5	1074.7	1067.7	<i>1053.9</i>	1047.6
27.5°	1059.5	1054.5	1046.9	<i>1030.5</i>	1023.0
30°	1037.5	1031.2	1023.0	<i>1004.7</i>	995.8
32.5°	1010.3	1005.9	995.2	<i>976.3</i>	968.1
35°	978.8	976.3	966.2	<i>944.8</i>	938.4
37.5°	946.6	941.6	932.8	<i>910.1</i>	903.8
40°	905.7	902.5	894.9	<i>872.9</i>	865.3
42.5°	861.5	859.6	853.3	<i>832.5</i>	824.3
45°	809.2	811.7	806.6	<i>788.3</i>	780.8
47.5°	759.3	758.1	756.2	<i>739.8</i>	733.5
50°	707.6	705.1	701.3	<i>688.1</i>	682.4
52.5°	659.1	654.0	643.9	<i>632.6</i>	628.8
55°	604.2	601.0	586.5	<i>574.5</i>	573.3
57.5°	548.7	546.8	529.1	<i>515.3</i>	515.3
60°	491.9	489.4	469.9	<i>455.3</i>	454.1
62.5°	432.6	430.8	410.6	<i>394.2</i>	394.8
65°	374.6	371.5	351.3	<i>335.5</i>	332.4
67.5°	314.1	312.8	293.3	<i>278.8</i>	277.5
70°	253.5	253.5	237.8	<i>225.2</i>	261.1
72.5°	199.9	198.0	185.4	<i>179.7</i>	171.5
75°	151.4	153.3	145.7	<i>146.3</i>	126.1
77.5°	107.8	104.7	101.5	<i>94.6</i>	100.3
80°	73.2	71.3	65.0	<i>63.1</i>	66.2
82.5°	45.4	46.0	40.4	<i>36.6</i>	35.9
85°	23.3	22.7	19.6	<i>18.9</i>	18.3
87.5°	8.8	9.5	8.2	<i>7.6</i>	6.9
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)