

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: P506241

Luminaire Tested: **22PD-35-PL1-L830**

Issue Date: 3/26/2021



**Test Information**

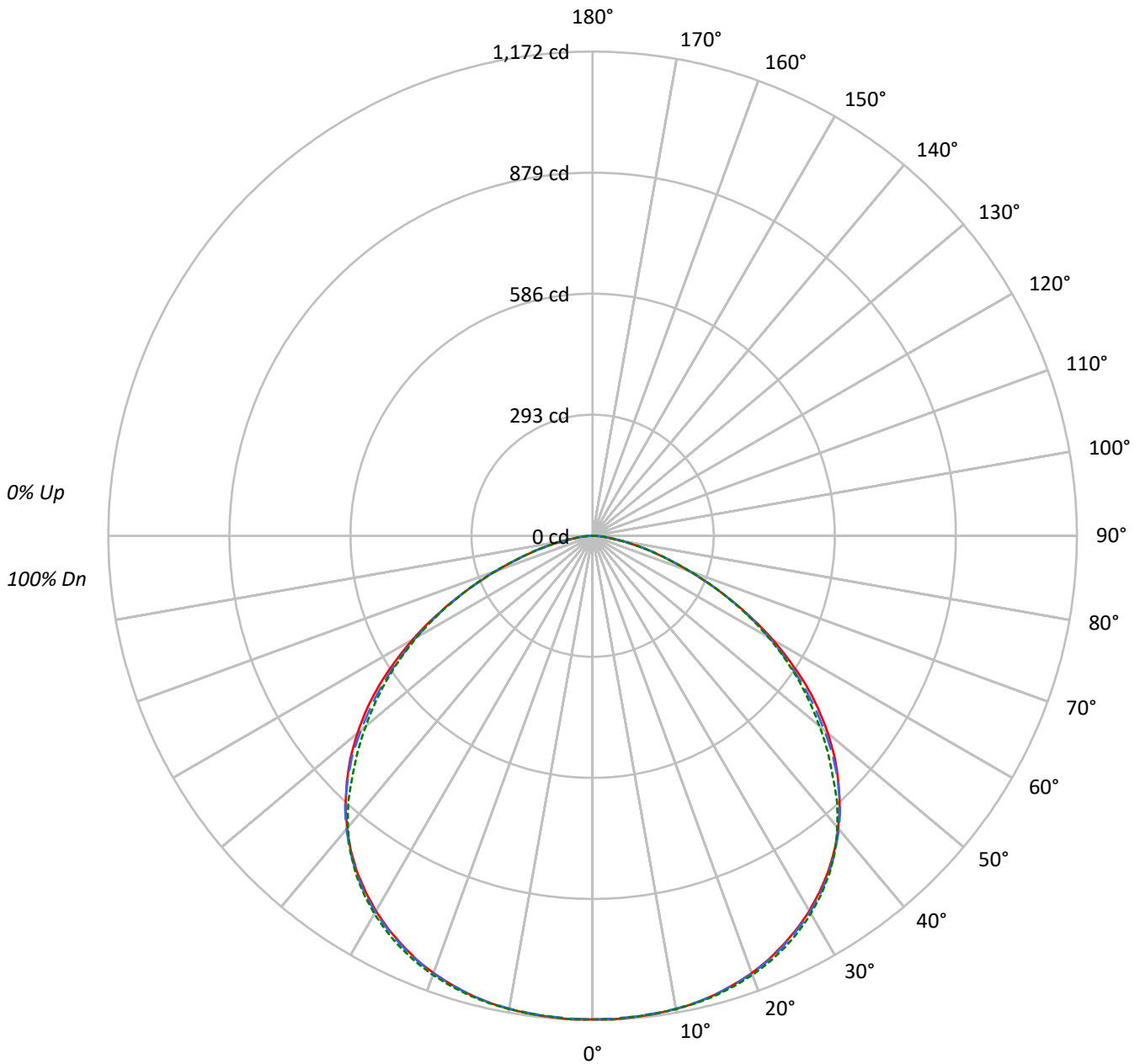
Test Method: LM-79-08  
Report Number: P506241  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-35-PL1-L830  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3316.2 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	3151	3151	3151
5°	3159	3156	3157
10°	3179	3175	3179
15°	3202	3202	3209
20°	3225	3229	3239
25°	3242	3250	3266
30°	3259	3269	3282
35°	3264	3275	3281
40°	3247	3255	3235
45°	3201	3191	3127
50°	3110	3062	3000
55°	2959	2884	2851
60°	2709	2658	2643
65°	2362	2357	2350
70°	1936	1969	1962
75°	1535	1561	1535
80°	1125	1117	1111
85°	750	738	790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	3.4
10°-20°	324.9	9.8
20°-30°	504.9	15.2
30°-40°	622.5	18.8
40°-50°	643.0	19.4
50°-60°	550.2	16.6
60°-70°	367.2	11.1
70°-80°	161.1	4.9
80°-90°	31.1	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°	941.1	28.4
0°-40°	1563.6	47.2
0°-60°	2756.7	83.1
0°-90°	3316.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3316.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1170	1168	1168	1168	1169	111
15°	1149	1148	1149	1150	1152	325
25°	1092	1092	1094	1098	1100	504
35°	994	994	997	999	999	621
45°	841	841	838	831	822	647
55°	631	623	615	611	608	561
65°	371	370	370	371	369	368
75°	148	146	150	149	148	160
85°	24	24	24	25	26	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1170.8	1170.8	1170.8	1170.8	1170.8
2.5°	1171.6	1169.9	1169.5	1169.5	1171.6
5°	1169.5	1167.9	1168.3	1167.5	1168.7
7.5°	1166.7	1165.0	1165.4	1165.0	1166.7
10°	1163.4	1161.7	1162.1	1161.7	1163.4
12.5°	1157.6	1156.3	1157.2	1157.6	1158.8
15°	1149.3	1148.1	1149.3	1150.2	1151.8
17.5°	1138.6	1137.8	1139.0	1140.3	1142.3
20°	1126.3	1125.4	1127.5	1128.7	1131.2
22.5°	1111.0	1110.2	1112.2	1115.1	1116.8
25°	1092.0	1092.0	1094.5	1097.8	1099.9
27.5°	1071.8	1071.4	1074.3	1077.6	1079.7
30°	1048.7	1047.9	1052.0	1054.9	1056.2
32.5°	1022.0	1022.4	1026.1	1029.0	1029.4
35°	993.5	993.5	996.8	998.9	998.9
37.5°	960.9	960.5	963.8	964.7	963.4
40°	924.3	924.7	926.7	926.3	921.0
42.5°	884.7	885.1	886.7	881.0	875.6
45°	841.0	840.6	838.5	830.7	821.6
47.5°	794.4	792.3	789.0	777.1	770.5
50°	742.9	739.6	731.3	721.8	716.5
52.5°	688.4	682.7	674.4	667.0	662.5
55°	630.7	622.9	614.7	611.4	607.6
57.5°	566.4	561.5	554.5	552.8	550.3
60°	503.4	498.0	493.9	493.9	491.0
62.5°	437.4	434.1	432.4	433.3	430.4
65°	371.0	370.2	370.2	371.4	369.0
67.5°	306.7	308.4	307.9	312.1	308.8
70°	246.1	249.0	250.2	254.4	249.4
72.5°	193.8	194.2	195.8	197.1	194.6
75°	147.6	146.3	150.1	149.2	147.6
77.5°	106.8	105.9	107.2	108.0	105.9
80°	72.6	71.7	72.1	73.4	71.7
82.5°	45.8	44.9	44.9	46.2	45.8
85°	24.3	23.9	23.9	24.7	25.6
87.5°	8.7	8.2	8.7	8.7	8.7
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)