

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: P506251

Luminaire Tested: **22PD-35-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-35-PR1-L835  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

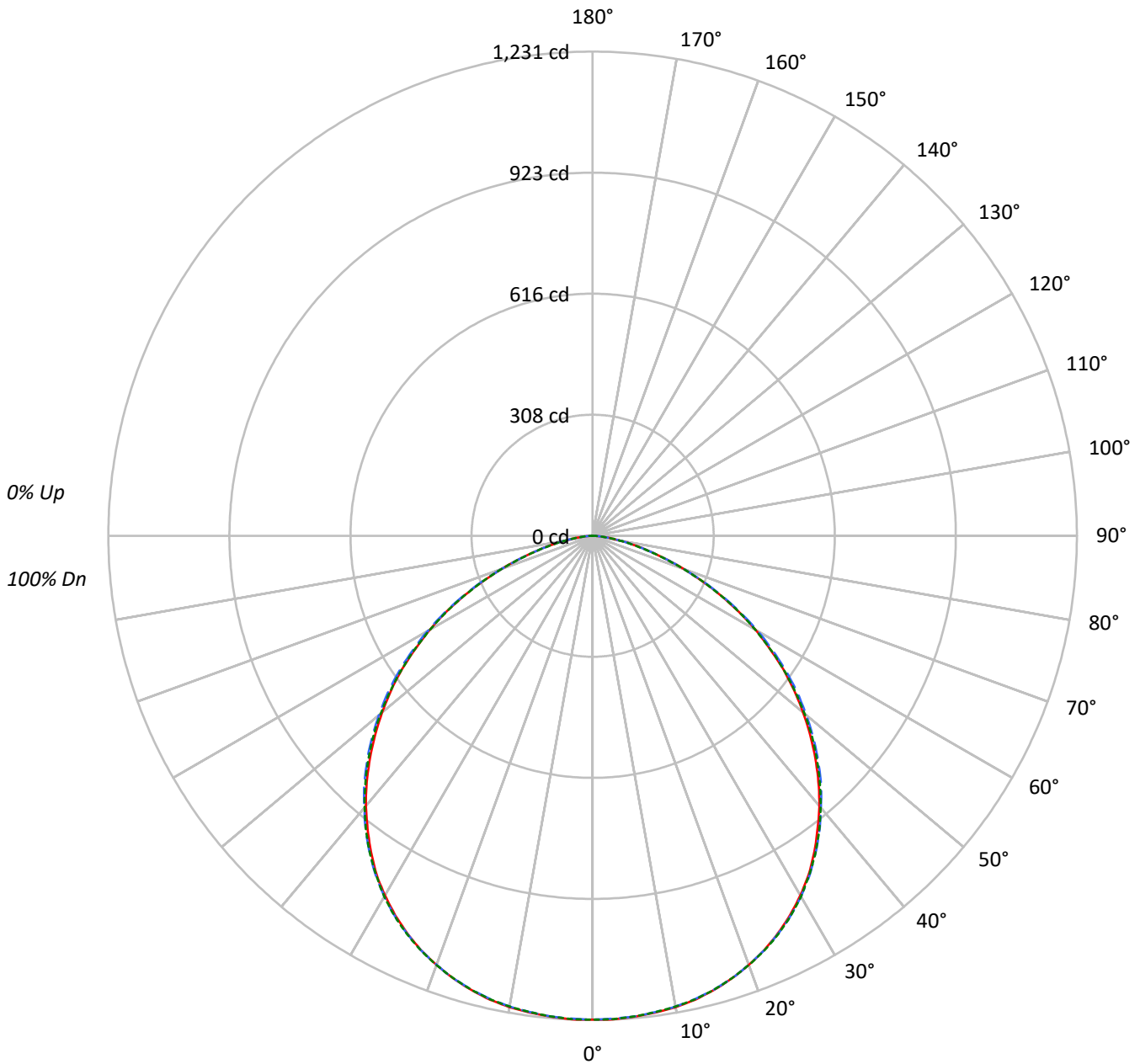
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3287.0 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

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

	0°	45°	90°
0°	3310	3310	3310
5°	3315	3313	3313
10°	3325	3321	3321
15°	3330	3326	3327
20°	3325	3324	3326
25°	3311	3314	3317
30°	3281	3291	3292
35°	3226	3243	3242
40°	3150	3172	3168
45°	3047	3086	3070
50°	2923	2968	2944
55°	2775	2819	2778
60°	2573	2608	2563
65°	2295	2318	2292
70°	1931	1931	1917
75°	1513	1513	1495
80°	1108	1096	1089
85°	722	722	735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	3.6
10°-20°	337.1	10.3
20°-30°	514.2	15.6
30°-40°	616.2	18.7
40°-50°	622.4	18.9
50°-60°	532.5	16.2
60°-70°	359.1	10.9
70°-80°	158.4	4.8
80°-90°	30.4	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°	968.0	29.4
0°-40°	1584.2	48.2
0°-60°	2739.1	83.3
0°-90°	3287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1227	1226	1226	1226	1226	117
15°	1195	1195	1194	1194	1194	337
25°	1115	1116	1116	1116	1117	514
35°	982	988	987	986	987	614
45°	801	807	811	810	807	617
55°	591	597	601	600	592	527
65°	360	363	364	363	360	356
75°	146	146	146	146	144	158
85°	23	23	23	24	24	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1230.1	1230.1	1230.1	1230.1	1230.1
2.5°	1230.9	1229.3	1228.9	1228.5	1230.1
5°	1227.2	1225.6	1226.4	1225.6	1226.4
7.5°	1222.7	1221.1	1221.5	1220.7	1221.5
10°	1217.0	1215.3	1215.3	1214.5	1215.3
12.5°	1207.9	1206.7	1206.3	1205.4	1206.7
15°	1195.2	1194.8	1193.9	1193.5	1194.4
17.5°	1179.6	1178.7	1179.6	1178.3	1179.1
20°	1161.1	1161.5	1160.6	1161.1	1161.5
22.5°	1140.1	1140.1	1140.5	1140.5	1141.3
25°	1115.0	1116.3	1116.3	1116.3	1117.1
27.5°	1087.1	1088.7	1090.0	1089.1	1090.0
30°	1055.8	1058.7	1059.1	1058.7	1059.5
32.5°	1022.1	1024.2	1025.4	1024.6	1023.8
35°	981.9	987.6	987.2	986.4	986.8
37.5°	939.5	945.3	947.3	945.7	946.1
40°	896.8	901.7	903.0	903.4	901.7
42.5°	849.5	855.3	859.8	857.7	855.3
45°	800.6	806.8	810.9	809.7	806.8
47.5°	750.1	755.8	761.6	759.5	756.6
50°	698.3	704.0	709.0	708.1	703.2
52.5°	645.3	651.8	656.4	654.7	648.1
55°	591.4	596.8	600.9	600.1	592.2
57.5°	533.1	540.0	542.1	540.9	535.1
60°	478.0	482.5	484.6	482.9	476.3
62.5°	419.2	422.9	424.6	424.1	419.6
65°	360.4	363.3	364.1	363.3	360.0
67.5°	300.0	304.1	304.5	304.5	301.3
70°	245.4	246.6	245.4	248.7	243.7
72.5°	192.3	193.2	192.3	192.3	190.3
75°	145.5	145.9	145.5	145.9	143.8
77.5°	105.2	106.0	104.4	105.6	103.6
80°	71.5	71.5	70.7	71.1	70.3
82.5°	44.4	45.2	44.0	44.0	43.6
85°	23.4	23.4	23.4	23.8	23.8
87.5°	8.2	8.2	8.6	8.6	8.2
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)