

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: P506253

Luminaire Tested: **22PD-35-PR1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506253  
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-L850  
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

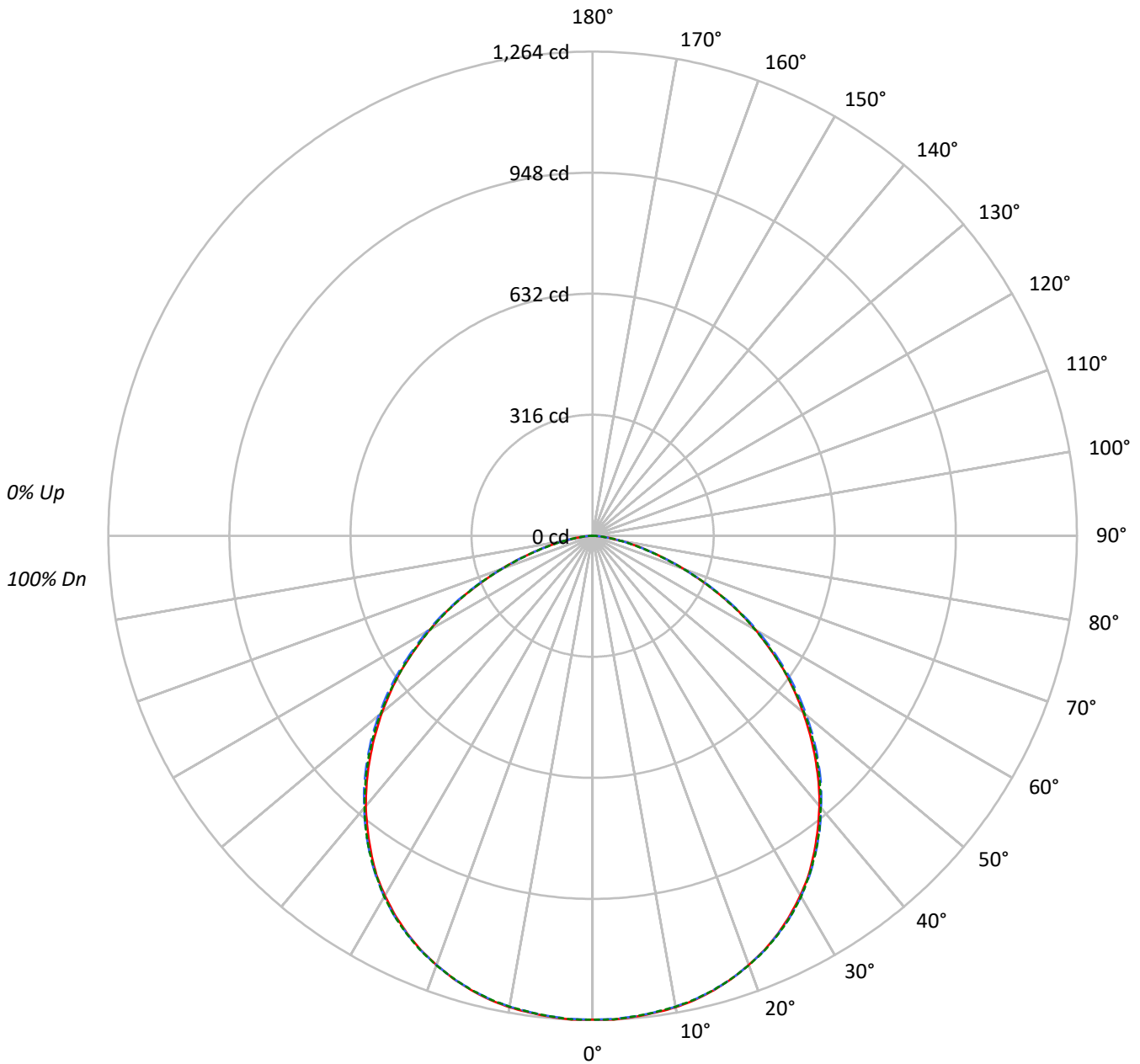
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3376.0 lumens  
Efficiency: N/A  
Efficacy: 117.2 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°	3400	3400	3400
5°	3405	3403	3403
10°	3415	3411	3411
15°	3420	3416	3417
20°	3415	3414	3416
25°	3400	3404	3407
30°	3370	3380	3381
35°	3313	3331	3329
40°	3236	3258	3253
45°	3129	3169	3153
50°	3003	3049	3024
55°	2850	2895	2854
60°	2642	2679	2633
65°	2357	2381	2355
70°	1983	1983	1969
75°	1553	1553	1536
80°	1137	1125	1119
85°	744	744	756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	3.6
10°-20°	346.2	10.3
20°-30°	528.1	15.6
30°-40°	632.9	18.7
40°-50°	639.2	18.9
50°-60°	546.9	16.2
60°-70°	368.8	10.9
70°-80°	162.7	4.8
80°-90°	31.2	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°	994.2	29.4
0°-40°	1627.1	48.2
0°-60°	2813.3	83.3
0°-90°	3376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1260	1259	1260	1259	1260	120
15°	1228	1227	1226	1226	1227	346
25°	1145	1146	1146	1146	1147	527
35°	1008	1014	1014	1013	1014	630
45°	822	829	833	832	829	634
55°	607	613	617	616	608	541
65°	370	373	374	373	370	366
75°	149	150	149	150	148	163
85°	24	24	24	24	24	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1263.4	1263.4	1263.4	1263.4	1263.4
2.5°	1264.3	1262.6	1262.1	1261.7	1263.4
5°	1260.5	1258.8	1259.6	1258.8	1259.6
7.5°	1255.8	1254.1	1254.5	1253.7	1254.5
10°	1249.9	1248.2	1248.2	1247.4	1248.2
12.5°	1240.6	1239.4	1238.9	1238.1	1239.4
15°	1227.5	1227.1	1226.3	1225.8	1226.7
17.5°	1211.5	1210.6	1211.5	1210.2	1211.1
20°	1192.5	1192.9	1192.1	1192.5	1192.9
22.5°	1171.0	1171.0	1171.4	1171.4	1172.2
25°	1145.2	1146.5	1146.5	1146.5	1147.3
27.5°	1116.5	1118.2	1119.5	1118.6	1119.5
30°	1084.4	1087.4	1087.8	1087.4	1088.2
32.5°	1049.8	1051.9	1053.2	1052.4	1051.5
35°	1008.5	1014.4	1013.9	1013.1	1013.5
37.5°	965.0	970.9	973.0	971.3	971.7
40°	921.1	926.1	927.4	927.8	926.1
42.5°	872.5	878.4	883.1	881.0	878.4
45°	822.3	828.6	832.8	831.6	828.6
47.5°	770.4	776.3	782.2	780.1	777.1
50°	717.2	723.1	728.2	727.3	722.3
52.5°	662.7	669.5	674.1	672.4	665.7
55°	607.4	612.9	617.1	616.3	608.3
57.5°	547.5	554.7	556.8	555.5	549.6
60°	490.9	495.6	497.7	496.0	489.2
62.5°	430.6	434.4	436.1	435.6	431.0
65°	370.2	373.2	374.0	373.2	369.8
67.5°	308.1	312.4	312.8	312.8	309.4
70°	252.0	253.3	252.0	255.4	250.3
72.5°	197.6	198.4	197.6	197.6	195.4
75°	149.4	149.9	149.4	149.9	147.7
77.5°	108.1	108.9	107.2	108.5	106.4
80°	73.4	73.4	72.6	73.0	72.2
82.5°	45.6	46.4	45.2	45.2	44.7
85°	24.1	24.1	24.1	24.5	24.5
87.5°	8.4	8.4	8.9	8.9	8.4
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)