

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: P506217

Luminaire Tested: **22PD-30-PL1-L850**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506217  
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-30-PL1-L850  
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

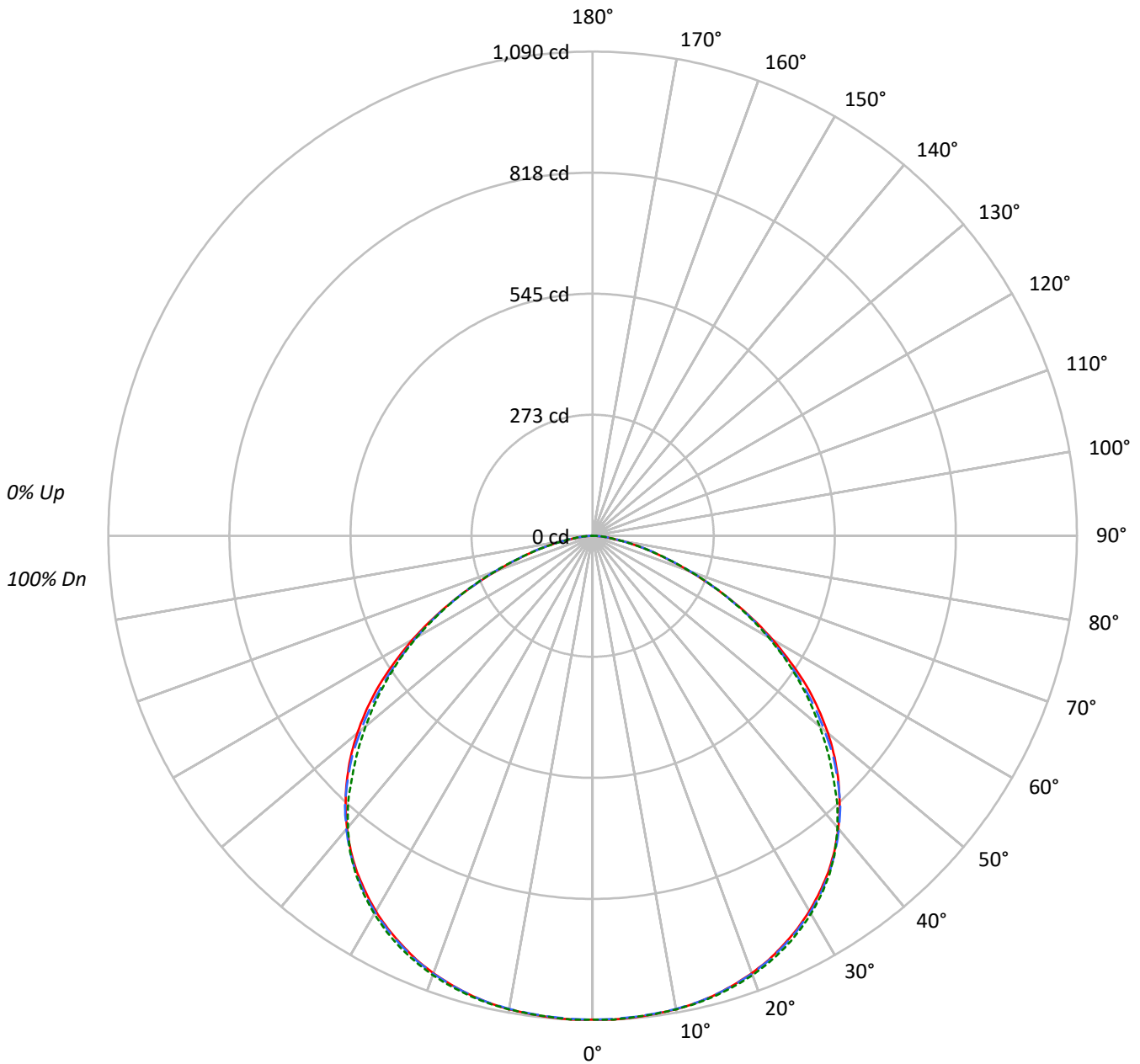
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3085.9 lumens  
Efficiency: N/A  
Efficacy: 125.4 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): 24.6  
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	64	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°	2932	2932	2932
5°	2940	2937	2938
10°	2958	2955	2958
15°	2980	2980	2986
20°	3001	3005	3014
25°	3017	3024	3039
30°	3032	3042	3054
35°	3037	3047	3053
40°	3021	3029	3010
45°	2978	2970	2910
50°	2894	2849	2791
55°	2753	2684	2653
60°	2521	2474	2459
65°	2199	2194	2186
70°	1802	1832	1826
75°	1428	1451	1428
80°	1046	1040	1034
85°	698	685	735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	3.4
10°-20°	302.3	9.8
20°-30°	469.9	15.2
30°-40°	579.2	18.8
40°-50°	598.3	19.4
50°-60°	512.0	16.6
60°-70°	341.7	11.1
70°-80°	149.9	4.9
80°-90°	29.0	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°	875.8	28.4
0°-40°	1455.0	47.2
0°-60°	2565.3	83.1
0°-90°	3085.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3085.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1088	1087	1087	1086	1088	104
15°	1070	1068	1070	1070	1072	302
25°	1016	1016	1018	1022	1024	469
35°	924	924	928	930	930	578
45°	783	782	780	773	765	602
55°	587	580	572	569	566	522
65°	345	344	344	346	343	343
75°	137	136	140	139	137	149
85°	23	22	22	23	24	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1089.5	1089.5	1089.5	1089.5	1089.5
2.5°	1090.2	1088.7	1088.3	1088.3	1090.2
5°	1088.3	1086.8	1087.2	1086.4	1087.6
7.5°	1085.6	1084.1	1084.5	1084.1	1085.6
10°	1082.6	1081.0	1081.4	1081.0	1082.6
12.5°	1077.2	1076.0	1076.8	1077.2	1078.4
15°	1069.5	1068.4	1069.5	1070.3	1071.8
17.5°	1059.6	1058.8	1059.9	1061.1	1063.0
20°	1048.0	1047.3	1049.2	1050.3	1052.6
22.5°	1033.9	1033.1	1035.0	1037.7	1039.2
25°	1016.2	1016.2	1018.5	1021.6	1023.5
27.5°	997.4	997.0	999.7	1002.8	1004.7
30°	975.9	975.2	979.0	981.7	982.8
32.5°	951.0	951.4	954.8	957.5	957.9
35°	924.5	924.5	927.6	929.5	929.5
37.5°	894.2	893.8	896.9	897.7	896.5
40°	860.1	860.5	862.4	862.0	857.0
42.5°	823.2	823.6	825.2	819.8	814.8
45°	782.6	782.2	780.3	773.0	764.6
47.5°	739.2	737.3	734.2	723.1	717.0
50°	691.3	688.2	680.5	671.7	666.7
52.5°	640.6	635.3	627.6	620.7	616.5
55°	586.9	579.6	572.0	568.9	565.5
57.5°	527.1	522.5	516.0	514.4	512.1
60°	468.4	463.4	459.6	459.6	456.9
62.5°	407.0	403.9	402.4	403.2	400.5
65°	345.3	344.5	344.5	345.6	343.3
67.5°	285.4	286.9	286.6	290.4	287.3
70°	229.0	231.7	232.9	236.7	232.1
72.5°	180.3	180.7	182.2	183.4	181.1
75°	137.3	136.2	139.6	138.9	137.3
77.5°	99.4	98.6	99.7	100.5	98.6
80°	67.5	66.7	67.1	68.3	66.7
82.5°	42.6	41.8	41.8	43.0	42.6
85°	22.6	22.2	22.2	23.0	23.8
87.5°	8.1	7.7	8.1	8.1	8.1
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)