

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: P506597

Luminaire Tested: **24PD-35-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PL1-L930  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

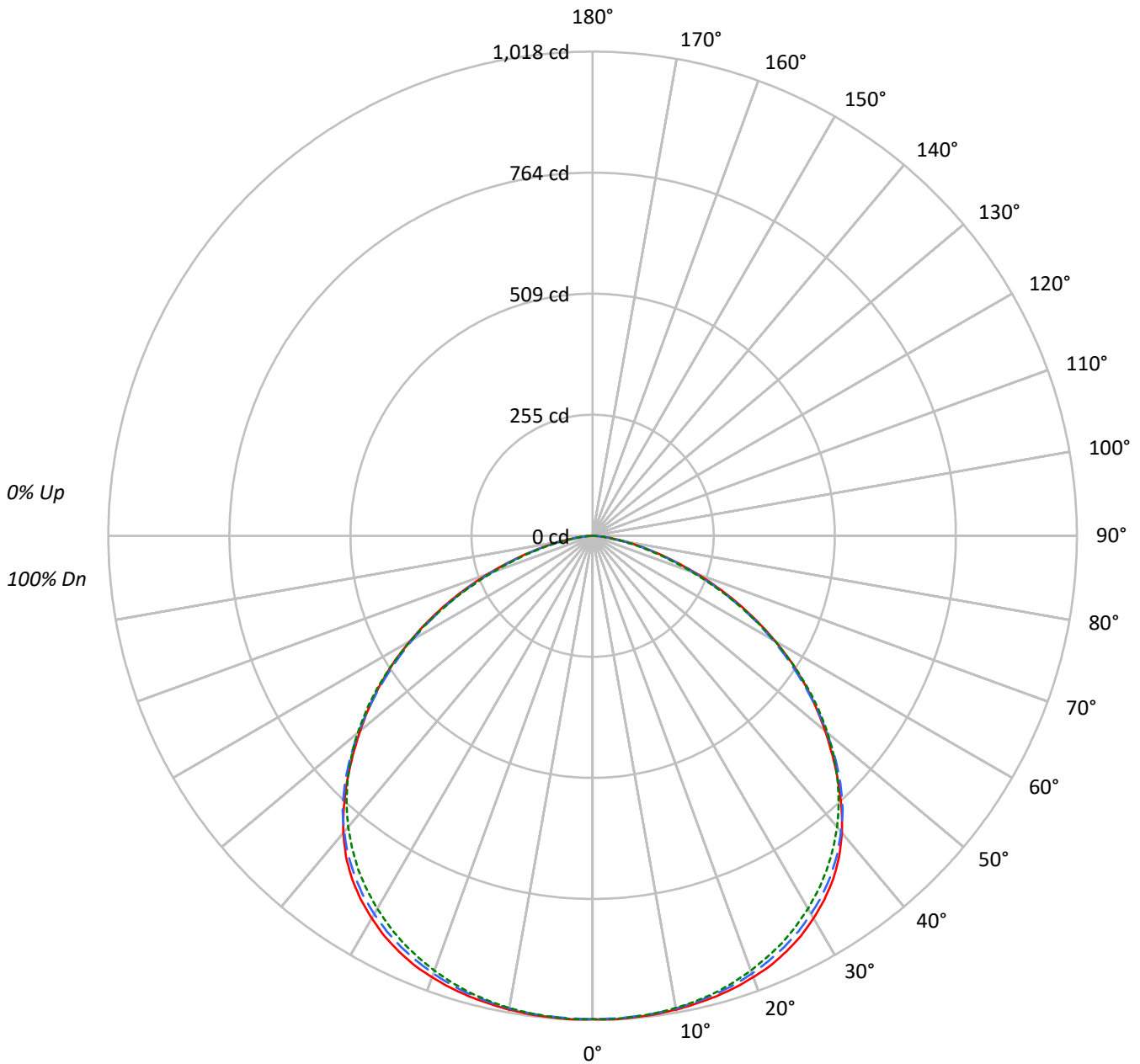
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2915.7 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25.3  
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	1368	1368	1368
5°	1373	1370	1371
10°	1382	1378	1377
15°	1397	1390	1386
20°	1414	1403	1393
25°	1432	1416	1401
30°	1443	1426	1407
35°	1448	1433	1409
40°	1432	1427	1404
45°	1388	1401	1386
50°	1335	1344	1349
55°	1277	1267	1286
60°	1195	1175	1190
65°	1075	1053	1053
70°	915	895	874
75°	721	704	676
80°	515	501	472
85°	306	301	279



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	3.3
10°-20°	282.1	9.7
20°-30°	439.8	15.1
30°-40°	544.2	18.7
40°-50°	564.1	19.3
50°-60°	485.7	16.7
60°-70°	329.6	11.3
70°-80°	147.1	5.0
80°-90°	26.5	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°	818.6	28.1
0°-40°	1362.8	46.7
0°-60°	2412.6	82.7
0°-90°	2915.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1016	1015	1015	1015	1015	97
15°	1003	1000	998	996	995	284
25°	964	961	954	946	944	445
35°	881	879	872	863	858	550
45°	730	733	736	734	728	562
55°	544	545	540	546	548	485
65°	338	339	331	327	331	334
75°	139	140	136	132	130	150
85°	20	20	20	20	18	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1016.4	1016.4	1016.4	1016.4	1016.4
2.5°	1017.8	1015.5	1015.8	1016.1	1017.2
5°	1016.4	1015.0	1014.7	1014.7	1015.0
7.5°	1014.7	1013.0	1012.8	1012.5	1012.5
10°	1011.6	1010.0	1008.9	1008.3	1008.0
12.5°	1007.5	1005.5	1004.1	1003.0	1002.2
15°	1002.7	1000.0	997.7	995.5	994.7
17.5°	996.1	993.5	989.7	986.0	984.6
20°	987.7	985.2	979.6	974.6	972.7
22.5°	978.0	974.3	967.4	961.8	959.0
25°	964.3	960.7	953.5	946.5	943.7
27.5°	948.5	945.1	937.3	929.0	925.6
30°	928.7	926.5	918.1	908.9	905.3
32.5°	906.7	904.5	897.3	887.0	882.8
35°	881.4	878.9	872.5	863.0	858.0
37.5°	851.3	850.5	844.4	834.6	829.9
40°	815.4	817.1	812.4	804.0	799.3
42.5°	774.5	778.1	778.1	770.3	765.6
45°	729.7	733.1	736.4	733.6	728.3
47.5°	683.8	687.4	691.3	692.4	688.0
50°	637.6	639.8	642.3	647.3	644.6
52.5°	591.7	592.5	591.7	598.4	597.8
55°	544.4	544.6	540.2	546.3	548.3
57.5°	495.1	495.9	488.7	492.0	496.2
60°	443.9	444.7	436.7	437.2	442.2
62.5°	391.0	392.1	384.1	382.1	386.6
65°	337.6	339.0	330.9	327.3	330.6
67.5°	284.4	286.1	278.6	274.1	275.0
70°	232.7	234.1	227.4	223.2	222.1
72.5°	183.4	184.8	179.5	175.3	173.4
75°	138.6	139.7	135.5	132.5	130.0
77.5°	99.6	100.5	97.1	94.9	92.4
80°	66.5	66.8	64.6	63.2	60.9
82.5°	39.8	40.1	38.7	38.1	36.5
85°	19.8	20.0	19.5	19.5	18.1
87.5°	7.0	6.7	7.0	7.0	6.1
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)