

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: P506584

Luminaire Tested: **24PD-30-PW1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PW1-L835  
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

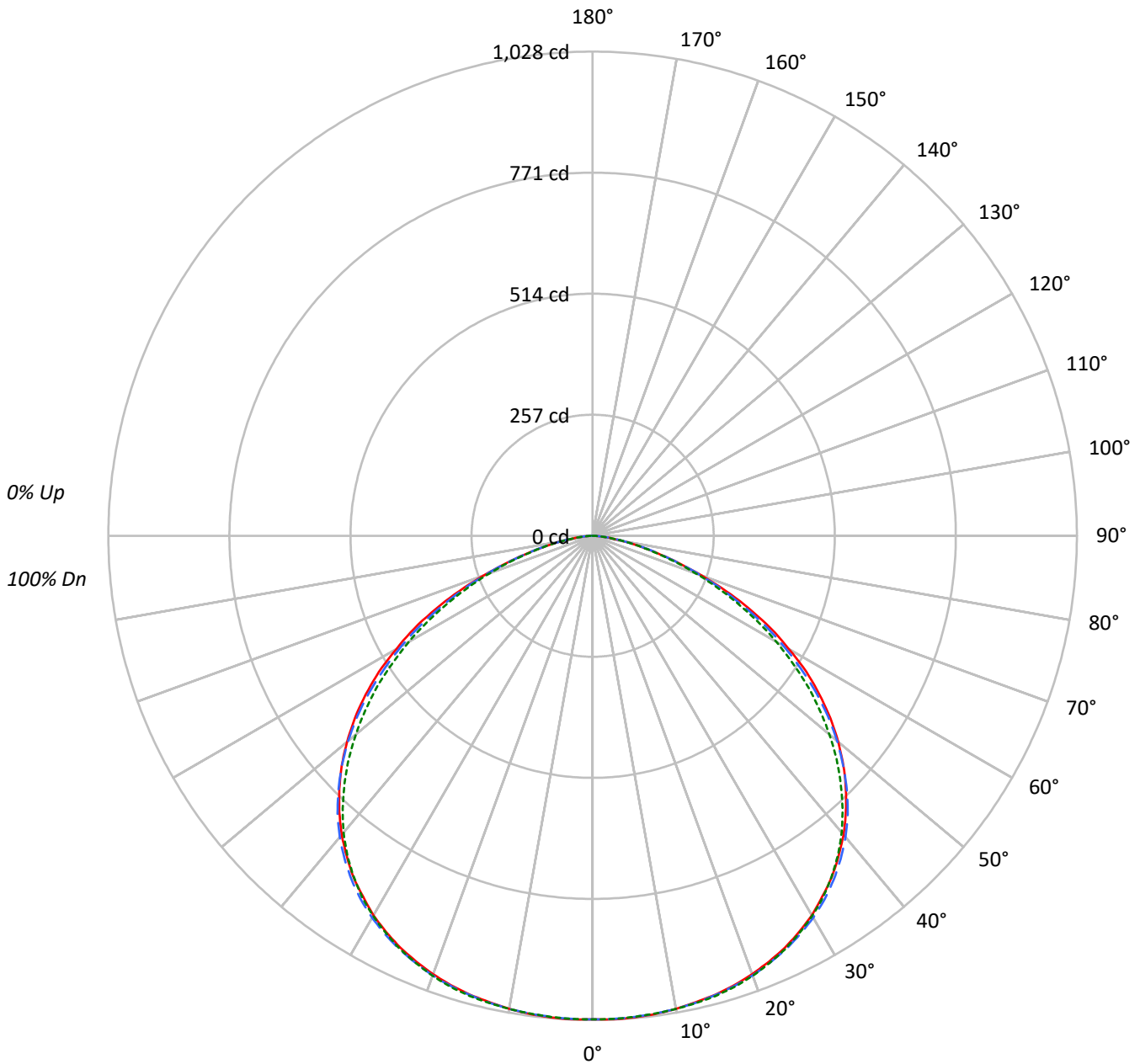
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.9 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.3  
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					70					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	98	95	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71								
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60								
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52								
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45								
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39								
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34								
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30								
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25								

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

	0°	45°	90°
0°	1381	1381	1381
5°	1386	1385	1385
10°	1393	1393	1394
15°	1405	1406	1409
20°	1418	1423	1423
25°	1433	1439	1437
30°	1446	1455	1448
35°	1454	1465	1452
40°	1456	1467	1444
45°	1447	1452	1418
50°	1424	1418	1373
55°	1379	1357	1308
60°	1295	1262	1213
65°	1168	1125	1080
70°	963	948	913
75°	736	743	714
80°	511	526	515
85°	306	318	310



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.7	3.2
10°-20°	285.4	9.5
20°-30°	446.4	14.8
30°-40°	555.3	18.4
40°-50°	583.5	19.4
50°-60°	512.2	17.0
60°-70°	348.8	11.6
70°-80°	153.9	5.1
80°-90°	27.7	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°	829.5	27.6
0°-40°	1384.8	46.0
0°-60°	2480.5	82.4
0°-90°	3010.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	1026	1026	1025	1024	1025	98
15°	1008	1010	1009	1009	1011	285
25°	965	968	969	969	968	445
35°	885	889	892	888	884	553
45°	760	765	763	751	745	586
55°	588	586	578	563	558	524
65°	367	358	353	346	339	362
75°	142	142	143	140	137	155
85°	20	21	21	20	20	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1026.7	1026.7	1026.7	1026.7	1026.7
2.5°	1027.9	1027.3	1026.7	1025.9	1026.7
5°	1026.4	1026.2	1025.3	1024.1	1025.3
7.5°	1024.1	1024.1	1023.3	1022.4	1023.0
10°	1019.8	1020.7	1019.8	1019.0	1020.1
12.5°	1014.1	1015.5	1015.3	1015.3	1016.1
15°	1008.4	1009.5	1009.2	1009.2	1011.3
17.5°	1000.4	1001.8	1002.1	1002.7	1003.8
20°	990.3	992.3	993.5	993.2	994.1
22.5°	978.6	980.9	981.7	982.3	981.7
25°	965.1	967.7	969.4	968.8	968.0
27.5°	948.8	951.6	953.9	952.5	950.8
30°	930.4	933.0	936.4	933.9	932.1
32.5°	907.8	912.6	915.8	912.6	910.1
35°	885.1	889.1	892.0	887.7	884.3
37.5°	857.6	862.5	865.1	859.0	855.3
40°	828.7	833.5	835.0	827.2	822.4
42.5°	795.7	801.1	801.7	790.8	785.4
45°	760.4	765.3	763.3	750.7	745.0
47.5°	722.3	725.8	721.5	708.6	702.3
50°	680.5	682.5	677.3	662.1	656.1
52.5°	636.3	636.0	629.5	614.3	607.7
55°	587.9	585.6	578.4	563.2	557.8
57.5°	538.3	531.1	523.4	510.5	503.3
60°	481.3	475.8	468.9	456.0	450.6
62.5°	427.4	417.6	411.9	400.4	395.6
65°	366.9	358.0	353.4	345.7	339.1
67.5°	306.1	299.2	296.1	290.6	284.6
70°	244.8	242.8	241.1	235.9	232.2
72.5°	190.6	190.0	189.8	186.9	183.2
75°	141.6	142.5	143.0	140.5	137.3
77.5°	100.9	102.3	102.0	100.6	99.7
80°	65.9	67.1	67.9	66.5	66.5
82.5°	39.8	41.0	40.7	41.3	40.1
85°	19.8	20.6	20.6	20.4	20.1
87.5°	7.2	7.5	7.2	7.5	7.2
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)