

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: P506642

Luminaire Tested: **24PD-40-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

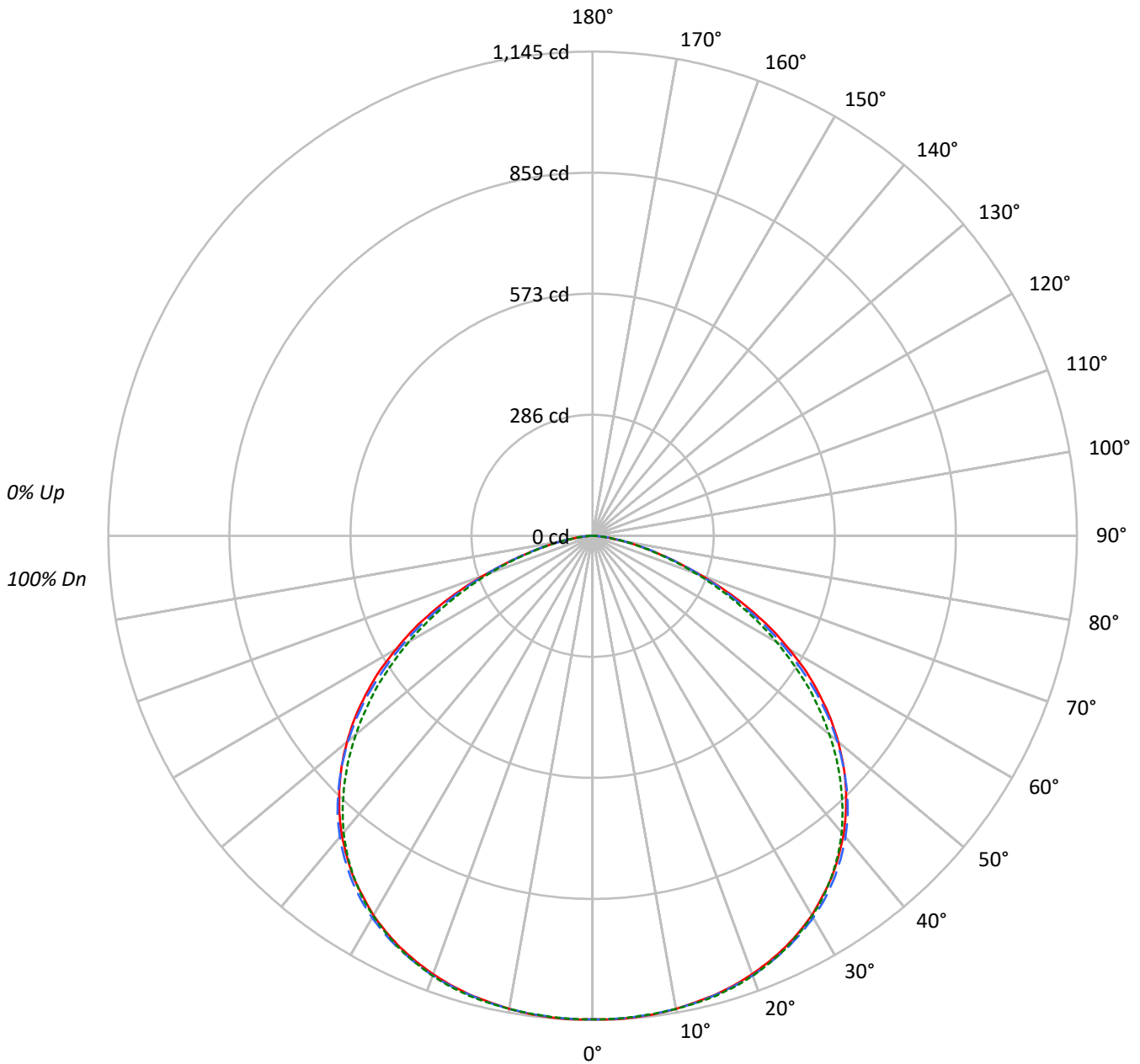
Test Method: LM-79-08  
Report Number: P506642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-40-PW1-L930  
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3353.6 lumens  
Efficiency: N/A  
Efficacy: 114.1 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): 29.4  
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	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°	1539	1539	1539
5°	1544	1542	1542
10°	1552	1552	1552
15°	1565	1566	1569
20°	1579	1584	1585
25°	1596	1603	1601
30°	1610	1620	1613
35°	1619	1632	1618
40°	1621	1633	1609
45°	1612	1618	1579
50°	1586	1579	1530
55°	1536	1511	1457
60°	1442	1405	1351
65°	1301	1253	1202
70°	1072	1056	1017
75°	820	828	795
80°	569	587	574
85°	340	355	344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	3.2
10°-20°	317.9	9.5
20°-30°	497.2	14.8
30°-40°	618.5	18.4
40°-50°	649.9	19.4
50°-60°	570.5	17.0
60°-70°	388.5	11.6
70°-80°	171.4	5.1
80°-90°	30.9	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°	924.0	27.6
0°-40°	1542.4	46.0
0°-60°	2762.9	82.4
0°-90°	3353.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1143	1143	1142	1141	1142	109
15°	1123	1124	1124	1124	1126	317
25°	1075	1078	1080	1079	1078	496
35°	986	990	994	989	985	616
45°	847	852	850	836	830	652
55°	655	652	644	627	621	584
65°	409	399	394	385	378	403
75°	158	159	159	156	153	173
85°	22	23	23	23	22	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1143.6	1143.6	1143.6	1143.6	1143.6
2.5°	1144.9	1144.2	1143.6	1142.6	1143.6
5°	1143.3	1143.0	1142.0	1140.7	1142.0
7.5°	1140.7	1140.7	1139.8	1138.8	1139.4
10°	1135.9	1136.9	1135.9	1135.0	1136.2
12.5°	1129.5	1131.1	1130.8	1130.8	1131.8
15°	1123.2	1124.4	1124.1	1124.1	1126.3
17.5°	1114.2	1115.8	1116.1	1116.8	1118.0
20°	1103.0	1105.3	1106.6	1106.2	1107.2
22.5°	1090.0	1092.5	1093.5	1094.1	1093.5
25°	1074.9	1077.8	1079.7	1079.1	1078.1
27.5°	1056.8	1059.9	1062.5	1060.9	1059.0
30°	1036.3	1039.2	1043.0	1040.1	1038.2
32.5°	1011.1	1016.5	1020.0	1016.5	1013.7
35°	985.9	990.3	993.5	988.7	984.9
37.5°	955.2	960.7	963.5	956.8	952.7
40°	923.0	928.4	930.0	921.4	916.0
42.5°	886.3	892.3	893.0	880.8	874.8
45°	847.0	852.4	850.2	836.1	829.8
47.5°	804.5	808.4	803.6	789.2	782.2
50°	757.9	760.2	754.4	737.5	730.8
52.5°	708.8	708.4	701.1	684.2	676.8
55°	654.8	652.2	644.3	627.3	621.3
57.5°	599.6	591.6	583.0	568.6	560.6
60°	536.0	530.0	522.3	507.9	501.9
62.5°	476.0	465.2	458.8	446.0	440.6
65°	408.7	398.8	393.6	385.0	377.7
67.5°	341.0	333.3	329.8	323.7	317.0
70°	272.6	270.4	268.5	262.8	258.6
72.5°	212.3	211.7	211.4	208.2	204.0
75°	157.7	158.7	159.3	156.4	152.9
77.5°	112.4	114.0	113.7	112.1	111.1
80°	73.4	74.7	75.7	74.1	74.1
82.5°	44.4	45.7	45.3	46.0	44.7
85°	22.0	23.0	23.0	22.7	22.3
87.5°	8.0	8.3	8.0	8.3	8.0
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)