

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: P506625

Luminaire Tested: **24PD-40-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

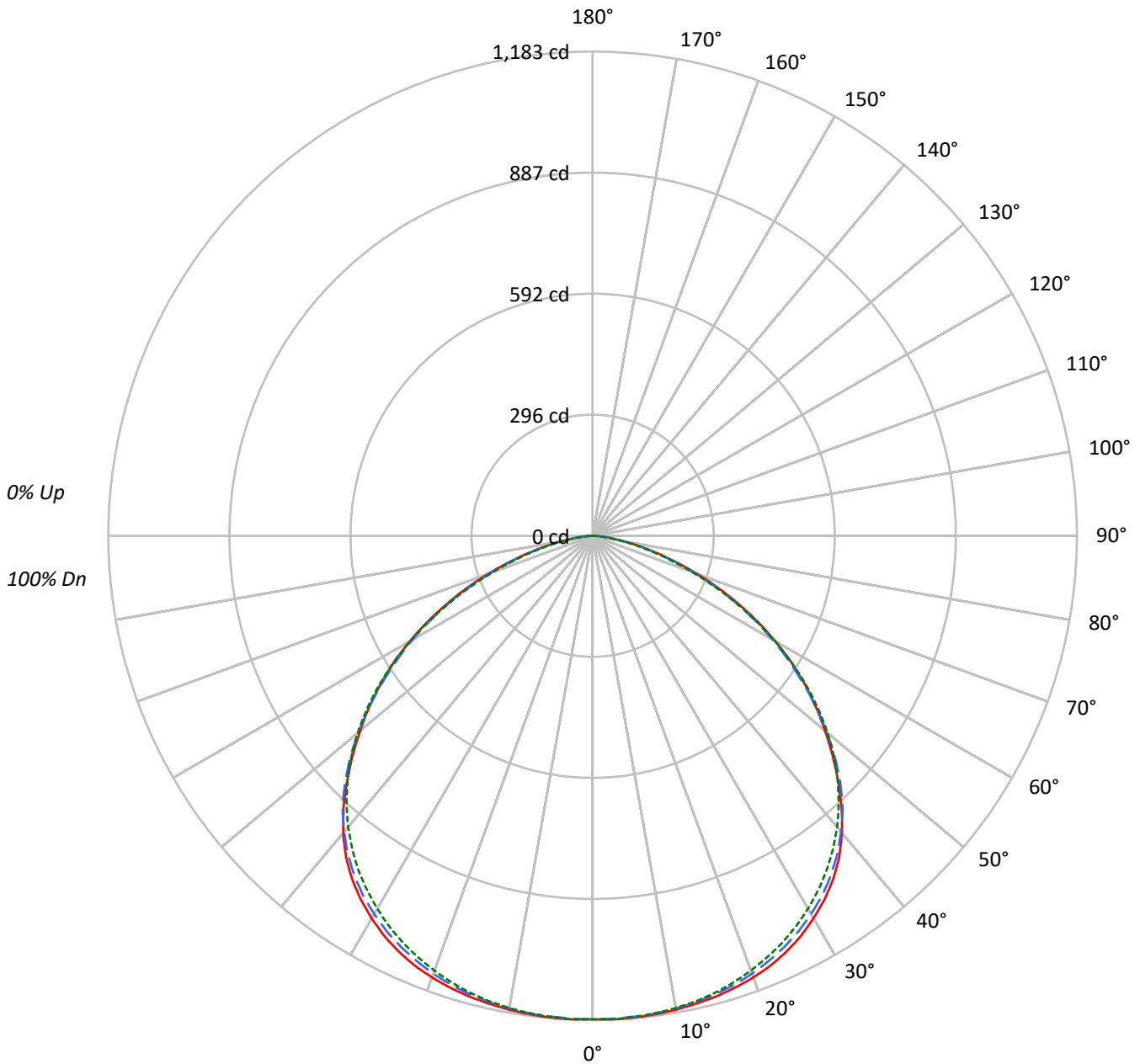
Test Method: LM-79-08  
Report Number: P506625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-40-PL1-L935  
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3388.8 lumens  
Efficiency: N/A  
Efficacy: 115.3 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): 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	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°	1589	1589	1589
5°	1595	1593	1593
10°	1606	1602	1601
15°	1623	1615	1610
20°	1644	1630	1619
25°	1664	1645	1628
30°	1677	1658	1635
35°	1683	1666	1638
40°	1665	1658	1632
45°	1614	1629	1611
50°	1551	1563	1568
55°	1484	1473	1495
60°	1388	1366	1383
65°	1249	1224	1223
70°	1064	1040	1015
75°	837	819	786
80°	599	581	549
85°	355	349	324



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.4	3.3
10°-20°	327.9	9.7
20°-30°	511.1	15.1
30°-40°	632.5	18.7
40°-50°	655.7	19.3
50°-60°	564.5	16.7
60°-70°	383.0	11.3
70°-80°	170.9	5.0
80°-90°	30.7	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°	951.4	28.1
0°-40°	1583.9	46.7
0°-60°	2804.1	82.7
0°-90°	3388.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3388.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1181	1180	1179	1179	1180	113
15°	1165	1162	1160	1157	1156	330
25°	1121	1117	1108	1100	1097	517
35°	1024	1022	1014	1003	997	639
45°	848	852	856	853	846	654
55°	633	633	628	635	637	564
65°	392	394	385	380	384	388
75°	161	162	158	154	151	175
85°	23	23	23	23	21	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1181.3	1181.3	1181.3	1181.3	1181.3
2.5°	1182.9	1180.3	1180.6	1181.0	1182.3
5°	1181.3	1179.7	1179.3	1179.3	1179.7
7.5°	1179.3	1177.4	1177.1	1176.8	1176.8
10°	1175.8	1173.8	1172.5	1171.9	1171.6
12.5°	1170.9	1168.7	1167.0	1165.8	1164.8
15°	1165.4	1162.2	1159.6	1157.0	1156.1
17.5°	1157.7	1154.8	1150.2	1146.0	1144.4
20°	1148.0	1145.1	1138.6	1132.8	1130.5
22.5°	1136.6	1132.4	1124.4	1117.9	1114.6
25°	1120.8	1116.6	1108.2	1100.1	1096.9
27.5°	1102.4	1098.5	1089.4	1079.7	1075.8
30°	1079.4	1076.8	1067.1	1056.4	1052.2
32.5°	1053.8	1051.3	1042.8	1030.9	1026.0
35°	1024.4	1021.5	1014.1	1003.1	997.2
37.5°	989.5	988.5	981.4	970.1	964.6
40°	947.7	949.7	944.2	934.5	929.0
42.5°	900.2	904.4	904.4	895.3	889.8
45°	848.1	852.0	855.9	852.6	846.5
47.5°	794.7	799.0	803.5	804.8	799.6
50°	741.1	743.6	746.5	752.4	749.1
52.5°	687.7	688.6	687.7	695.4	694.8
55°	632.7	633.0	627.8	635.0	637.2
57.5°	575.4	576.4	568.0	571.9	576.7
60°	515.9	516.9	507.5	508.2	514.0
62.5°	454.5	455.8	446.4	444.1	449.3
65°	392.4	394.0	384.6	380.4	384.3
67.5°	330.6	332.5	323.8	318.6	319.6
70°	270.4	272.0	264.3	259.4	258.1
72.5°	213.2	214.8	208.6	203.8	201.5
75°	161.1	162.4	157.5	154.0	151.1
77.5°	115.8	116.8	112.9	110.3	107.4
80°	77.3	77.6	75.0	73.4	70.8
82.5°	46.3	46.6	45.0	44.3	42.4
85°	23.0	23.3	22.6	22.6	21.0
87.5°	8.1	7.8	8.1	8.1	7.1
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)