

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: P506687

Luminaire Tested: **24PD-50-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-50-PR1-L930  
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

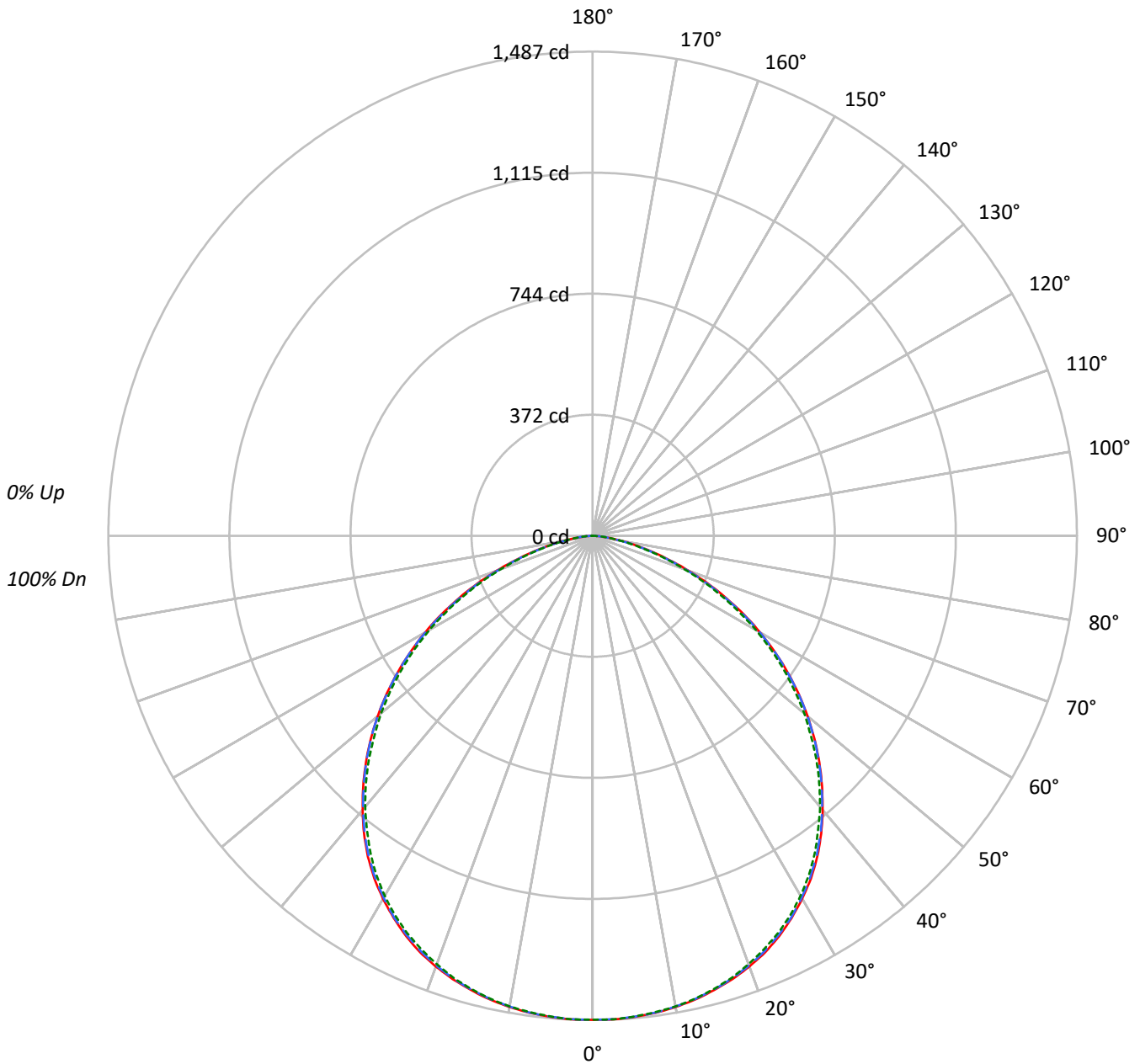
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4002.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.1  
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	2000	2000	2000
5°	2004	2003	2001
10°	2008	2006	2005
15°	2012	2009	2007
20°	2016	2011	2005
25°	2014	2008	1999
30°	2000	1995	1984
35°	1976	1969	1954
40°	1930	1925	1908
45°	1873	1870	1849
50°	1803	1802	1775
55°	1715	1711	1679
60°	1598	1592	1556
65°	1440	1423	1390
70°	1229	1211	1181
75°	972	950	928
80°	690	673	652
85°	415	403	391



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.1	3.5
10°-20°	407.4	10.2
20°-30°	622.7	15.6
30°-40°	747.8	18.7
40°-50°	755.7	18.9
50°-60°	649.4	16.2
60°-70°	443.0	11.1
70°-80°	199.1	5.0
80°-90°	35.8	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°	1171.2	29.3
0°-40°	1919.0	48.0
0°-60°	3324.1	83.1
0°-90°	4002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1484	1483	1483	1482	1482	141
15°	1444	1444	1442	1441	1441	408
25°	1356	1356	1352	1348	1347	625
35°	1203	1203	1199	1192	1189	751
45°	984	987	983	976	972	759
55°	731	734	729	723	716	652
65°	452	455	447	444	436	448
75°	187	188	183	182	178	203
85°	27	27	26	26	25	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1486.9	1486.5	1486.1	1485.4	1486.5
5°	1483.5	1483.1	1482.7	1481.9	1481.9
7.5°	1478.1	1477.3	1477.3	1476.2	1475.8
10°	1469.6	1469.2	1468.1	1468.1	1467.7
12.5°	1458.9	1458.1	1457.0	1456.6	1455.8
15°	1444.3	1443.9	1442.4	1441.2	1440.8
17.5°	1427.8	1426.6	1425.5	1422.8	1422.8
20°	1407.8	1407.1	1404.4	1401.7	1400.1
22.5°	1384.8	1383.2	1380.2	1377.5	1374.4
25°	1356.4	1356.0	1352.5	1347.9	1346.8
27.5°	1323.4	1324.1	1320.7	1316.1	1313.8
30°	1287.3	1288.8	1283.8	1278.1	1276.9
32.5°	1247.7	1248.1	1243.9	1237.7	1235.4
35°	1202.8	1202.8	1199.0	1191.7	1189.4
37.5°	1152.9	1152.5	1150.2	1141.8	1137.5
40°	1098.8	1100.7	1096.1	1088.4	1086.5
42.5°	1042.7	1045.0	1040.8	1034.3	1030.0
45°	984.4	987.0	982.8	975.9	971.7
47.5°	924.1	926.0	922.9	914.1	908.3
50°	861.5	865.3	861.1	851.9	848.1
52.5°	797.0	801.2	796.2	789.3	782.0
55°	731.0	733.7	729.4	722.9	715.6
57.5°	663.0	668.4	661.5	653.8	647.7
60°	593.9	598.5	591.6	584.7	578.2
62.5°	523.7	526.7	519.1	514.8	507.2
65°	452.3	454.6	446.9	443.8	436.5
67.5°	381.6	383.5	376.2	372.0	367.8
70°	312.5	314.0	307.9	304.1	300.2
72.5°	247.2	247.6	241.9	240.7	236.1
75°	187.0	188.5	182.7	181.6	178.5
77.5°	134.4	134.8	130.9	130.1	127.5
80°	89.1	89.5	86.8	86.4	84.1
82.5°	53.7	54.1	51.8	51.8	50.3
85°	26.9	27.3	26.1	26.1	25.3
87.5°	9.2	9.6	9.2	9.2	8.8
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)