

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: P506734

Luminaire Tested: **24PD-60-PL1-L940**

Issue Date: 3/26/2021



**Test Information**

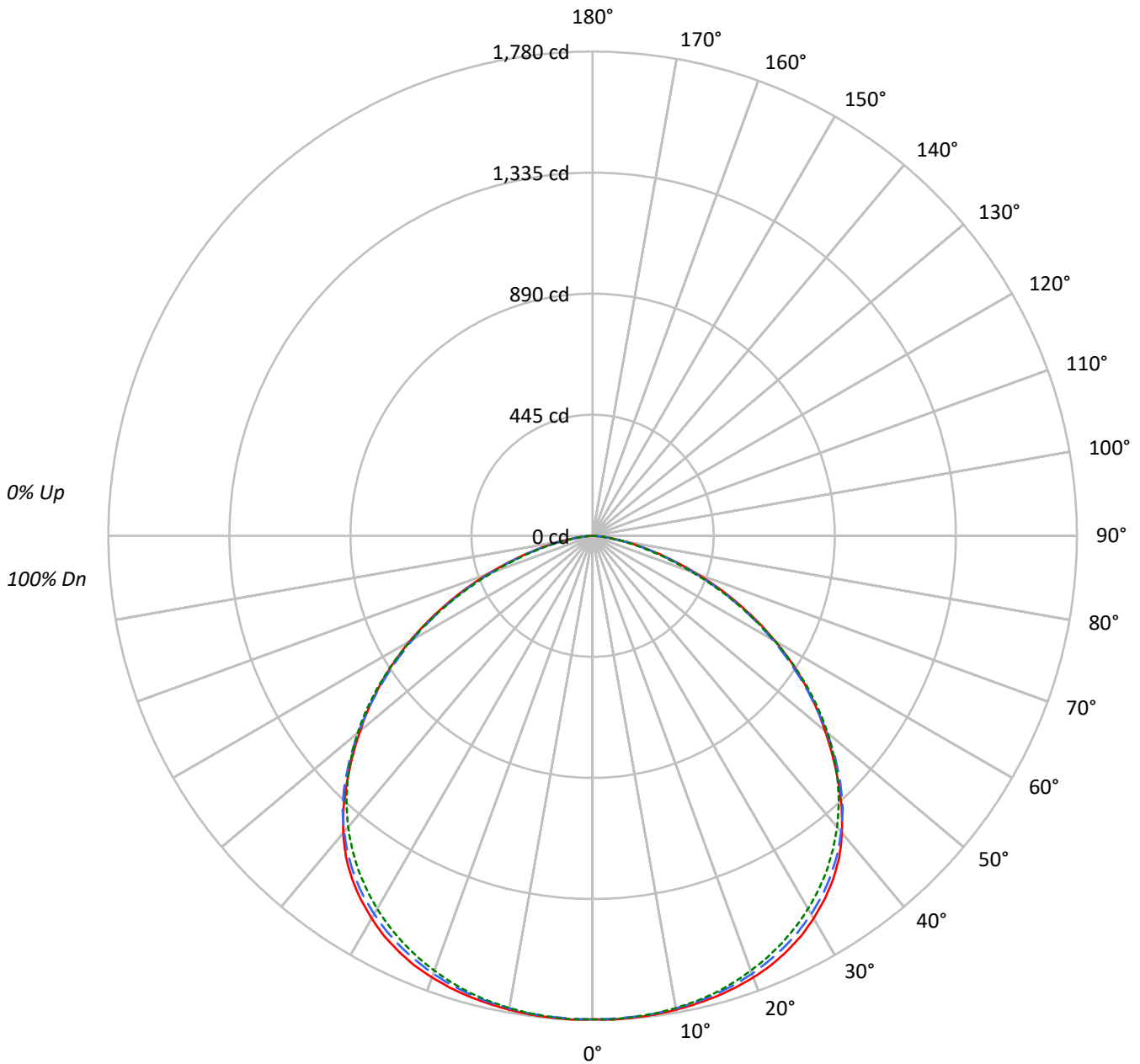
Test Method: LM-79-08  
Report Number: P506734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PL1-L940  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5099.7 lumens  
Efficiency: N/A  
Efficacy: 113.6 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): 44.9  
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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CATALOG NUMBER: 24PD-60-PL1-L940

### 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°	2392	2392	2392
5°	2401	2397	2398
10°	2417	2411	2409
15°	2443	2431	2423
20°	2474	2453	2436
25°	2504	2476	2450
30°	2524	2495	2460
35°	2532	2507	2465
40°	2505	2496	2455
45°	2429	2451	2424
50°	2334	2352	2360
55°	2233	2216	2249
60°	2089	2055	2081
65°	1880	1843	1841
70°	1601	1565	1528
75°	1260	1233	1182
80°	901	875	826
85°	534	526	488



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.2	3.3
10°-20°	493.4	9.7
20°-30°	769.2	15.1
30°-40°	951.8	18.7
40°-50°	986.7	19.3
50°-60°	849.5	16.7
60°-70°	576.4	11.3
70°-80°	257.2	5.0
80°-90°	46.3	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°	1431.8	28.1
0°-40°	2383.6	46.7
0°-60°	4219.8	82.7
0°-90°	5099.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5099.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1778	1775	1775	1775	1775	169
15°	1754	1749	1745	1741	1740	496
25°	1687	1680	1668	1656	1651	778
35°	1542	1537	1526	1510	1501	962
45°	1276	1282	1288	1283	1274	984
55°	952	953	945	956	959	849
65°	590	593	579	572	578	584
75°	242	244	237	232	227	263
85°	35	35	34	34	32	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1777.7	1777.7	1777.7	1777.7	1777.7
2.5°	1780.1	1776.2	1776.7	1777.2	1779.1
5°	1777.7	1775.3	1774.8	1774.8	1775.3
7.5°	1774.8	1771.8	1771.4	1770.9	1770.9
10°	1769.4	1766.5	1764.5	1763.6	1763.1
12.5°	1762.1	1758.7	1756.3	1754.3	1752.9
15°	1753.8	1749.0	1745.1	1741.2	1739.7
17.5°	1742.2	1737.8	1731.0	1724.6	1722.2
20°	1727.6	1723.2	1713.4	1704.7	1701.3
22.5°	1710.5	1704.2	1692.0	1682.3	1677.4
25°	1686.7	1680.3	1667.7	1655.5	1650.6
27.5°	1658.9	1653.1	1639.4	1624.8	1619.0
30°	1624.4	1620.5	1605.9	1589.8	1583.5
32.5°	1585.9	1582.0	1569.3	1551.3	1544.0
35°	1541.6	1537.2	1526.0	1509.5	1500.7
37.5°	1489.0	1487.6	1476.9	1459.8	1451.6
40°	1426.2	1429.2	1420.9	1406.3	1398.0
42.5°	1354.7	1361.0	1361.0	1347.4	1339.1
45°	1276.3	1282.2	1288.0	1283.1	1273.9
47.5°	1196.0	1202.3	1209.1	1211.1	1203.3
50°	1115.2	1119.1	1123.5	1132.2	1127.4
52.5°	1034.9	1036.3	1034.9	1046.6	1045.6
55°	952.1	952.6	944.8	955.5	958.9
57.5°	866.0	867.4	854.8	860.6	867.9
60°	776.4	777.9	763.7	764.7	773.5
62.5°	683.9	685.9	671.7	668.3	676.1
65°	590.5	592.9	578.8	572.4	578.3
67.5°	497.5	500.4	487.3	479.5	480.9
70°	406.9	409.4	397.7	390.4	388.4
72.5°	320.8	323.2	314.0	306.7	303.3
75°	242.4	244.4	237.1	231.7	227.3
77.5°	174.3	175.7	169.9	166.0	161.6
80°	116.3	116.8	112.9	110.5	106.6
82.5°	69.6	70.1	67.7	66.7	63.8
85°	34.6	35.0	34.1	34.1	31.6
87.5°	12.2	11.7	12.2	12.2	10.7
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)