

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: P506743

Luminaire Tested: **24PD-60-PR1-L940**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506743  
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-60-PR1-L940  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

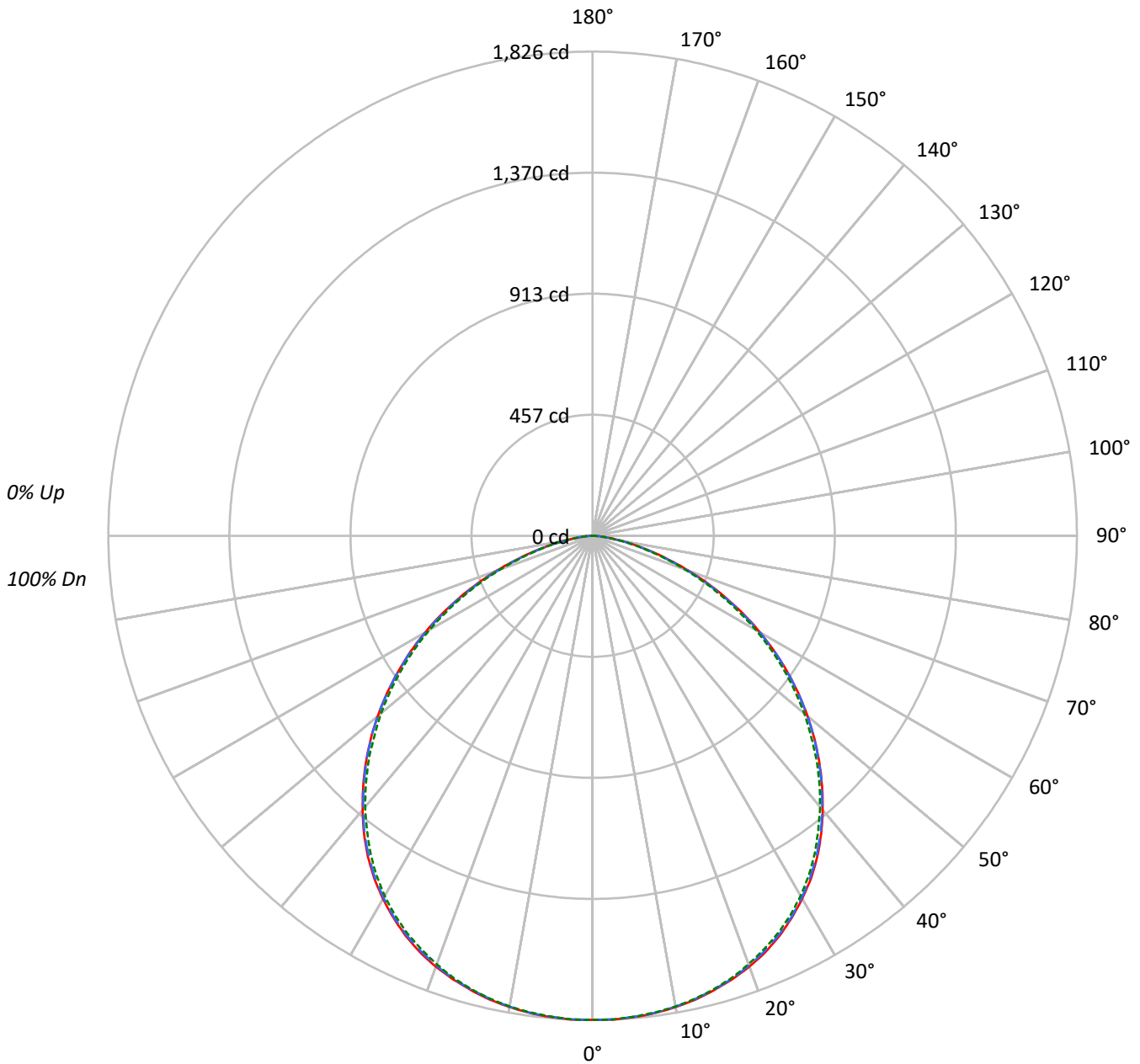
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4915.0 lumens  
Efficiency: N/A  
Efficacy: 109.5 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): 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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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			26

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

	0°	45°	90°
0°	2456	2456	2456
5°	2461	2459	2458
10°	2466	2463	2463
15°	2471	2467	2465
20°	2476	2470	2462
25°	2473	2466	2456
30°	2456	2450	2436
35°	2426	2419	2399
40°	2370	2364	2344
45°	2300	2297	2271
50°	2215	2214	2180
55°	2106	2102	2062
60°	1963	1955	1911
65°	1768	1747	1707
70°	1510	1487	1450
75°	1194	1167	1140
80°	848	826	800
85°	509	496	480



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.3	3.5
10°-20°	500.3	10.2
20°-30°	764.8	15.6
30°-40°	918.4	18.7
40°-50°	928.1	18.9
50°-60°	797.5	16.2
60°-70°	544.0	11.1
70°-80°	244.6	5.0
80°-90°	44.0	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°	1438.3	29.3
0°-40°	2356.8	48.0
0°-60°	4082.4	83.1
0°-90°	4915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4915.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1822	1821	1821	1820	1820	173
15°	1774	1773	1771	1770	1770	501
25°	1666	1665	1661	1655	1654	767
35°	1477	1477	1472	1464	1461	922
45°	1209	1212	1207	1199	1193	932
55°	898	901	896	888	879	801
65°	555	558	549	545	536	550
75°	230	232	224	223	219	249
85°	33	34	32	32	31	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1826.1	1825.7	1825.2	1824.2	1825.7
5°	1821.9	1821.4	1820.9	1820.0	1820.0
7.5°	1815.3	1814.3	1814.3	1812.9	1812.5
10°	1804.9	1804.4	1803.0	1803.0	1802.5
12.5°	1791.7	1790.8	1789.3	1788.9	1787.9
15°	1773.8	1773.3	1771.4	1770.0	1769.5
17.5°	1753.5	1752.1	1750.7	1747.4	1747.4
20°	1729.0	1728.1	1724.8	1721.5	1719.6
22.5°	1700.7	1698.8	1695.0	1691.7	1688.0
25°	1665.8	1665.3	1661.1	1655.4	1654.0
27.5°	1625.3	1626.2	1622.0	1616.3	1613.5
30°	1580.9	1582.8	1576.7	1569.6	1568.2
32.5°	1532.4	1532.8	1527.7	1520.1	1517.3
35°	1477.2	1477.2	1472.5	1463.5	1460.7
37.5°	1415.9	1415.4	1412.6	1402.2	1397.1
40°	1349.4	1351.8	1346.1	1336.7	1334.3
42.5°	1280.6	1283.4	1278.2	1270.2	1265.0
45°	1208.9	1212.2	1207.0	1198.6	1193.4
47.5°	1134.9	1137.3	1133.5	1122.6	1115.6
50°	1058.0	1062.8	1057.6	1046.3	1041.5
52.5°	978.8	984.0	977.9	969.4	960.4
55°	897.7	901.0	895.9	887.8	878.9
57.5°	814.3	820.9	812.4	803.0	795.4
60°	729.4	735.1	726.6	718.1	710.1
62.5°	643.1	646.9	637.5	632.3	622.9
65°	555.4	558.3	548.8	545.1	536.1
67.5°	468.7	471.0	462.1	456.9	451.7
70°	383.8	385.7	378.1	373.4	368.7
72.5°	303.6	304.1	297.0	295.6	290.0
75°	229.6	231.5	224.4	223.0	219.2
77.5°	165.0	165.5	160.8	159.8	156.5
80°	109.4	109.9	106.6	106.1	103.3
82.5°	66.0	66.5	63.7	63.7	61.8
85°	33.0	33.5	32.1	32.1	31.1
87.5°	11.3	11.8	11.3	11.3	10.8
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)