

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: P506694

Luminaire Tested: **24PD-50-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506694
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-50-PW1-L850
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

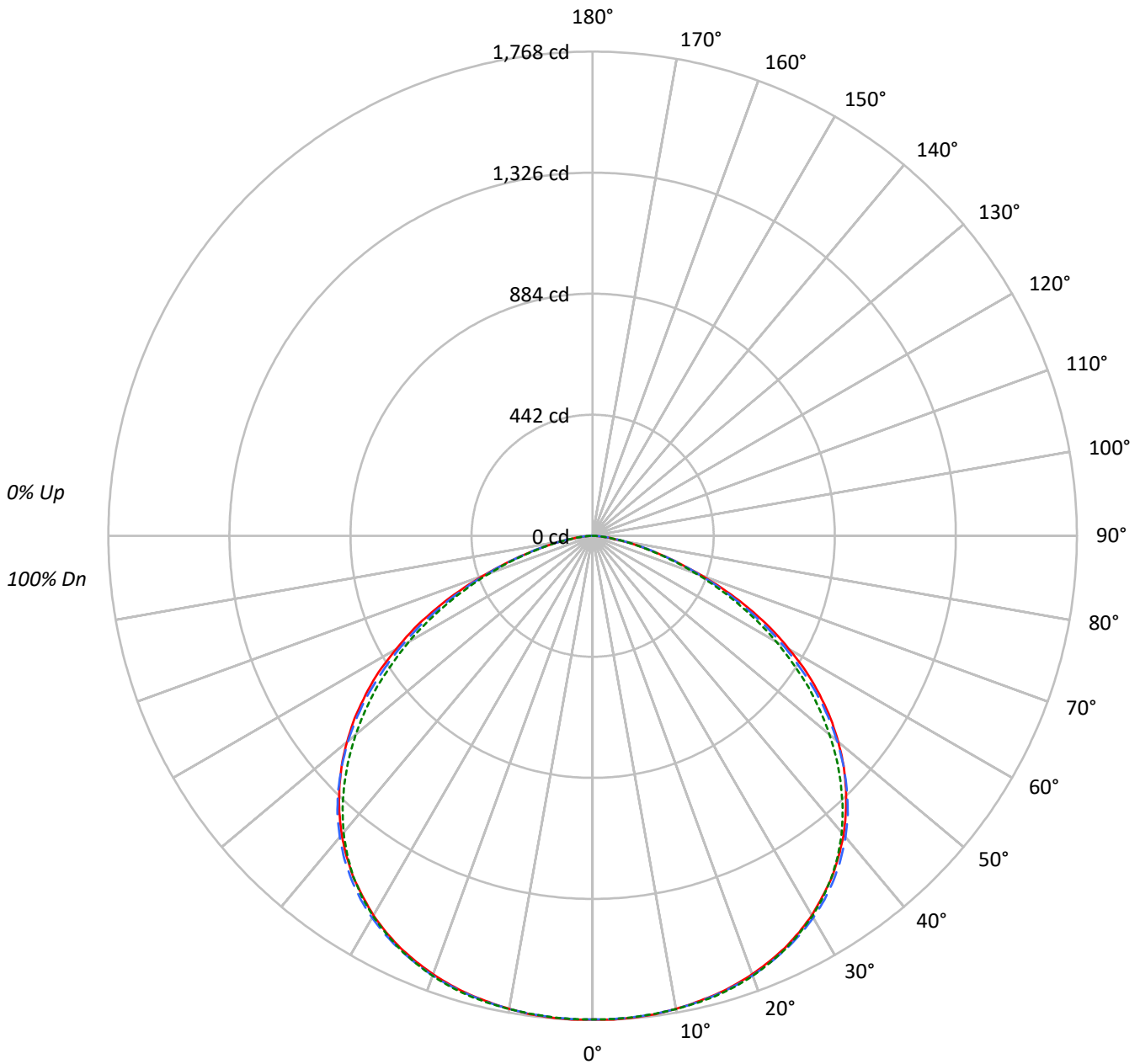
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5179.6 lumens
Efficiency: N/A
Efficacy: 139.6 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): 37.1
Input Voltage (V): NR
Input Current (A_{in}): 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								
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°	2377	2377	2377
5°	2385	2382	2382
10°	2397	2397	2398
15°	2416	2418	2423
20°	2439	2447	2449
25°	2465	2476	2472
30°	2487	2503	2491
35°	2501	2520	2499
40°	2504	2523	2485
45°	2489	2499	2439
50°	2450	2439	2363
55°	2372	2334	2251
60°	2228	2171	2086
65°	2010	1936	1857
70°	1657	1631	1571
75°	1266	1279	1228
80°	879	906	886
85°	525	548	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	3.2
10°-20°	491.0	9.5
20°-30°	767.9	14.8
30°-40°	955.2	18.4
40°-50°	1003.8	19.4
50°-60°	881.1	17.0
60°-70°	600.0	11.6
70°-80°	264.7	5.1
80°-90°	47.6	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°	1427.1	27.6
0°-40°	2382.3	46.0
0°-60°	4267.2	82.4
0°-90°	5179.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5179.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1766	1766	1766	1766	1766	
5°	1766	1765	1764	1762	1764	168
15°	1735	1737	1736	1736	1740	490
25°	1660	1665	1668	1667	1665	766
35°	1523	1530	1534	1527	1521	952
45°	1308	1317	1313	1291	1282	1008
55°	1011	1007	995	969	960	901
65°	631	616	608	595	583	622
75°	244	245	246	242	236	267
85°	34	36	36	35	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1766.3	1766.3	1766.3	1766.3	1766.3
2.5°	1768.2	1767.3	1766.3	1764.8	1766.3
5°	1765.8	1765.3	1763.8	1761.8	1763.8
7.5°	1761.8	1761.8	1760.4	1758.9	1759.9
10°	1754.4	1755.9	1754.4	1753.0	1754.9
12.5°	1744.6	1747.0	1746.6	1746.6	1748.0
15°	1734.7	1736.7	1736.2	1736.2	1739.6
17.5°	1720.9	1723.4	1723.9	1724.9	1726.8
20°	1703.7	1707.1	1709.1	1708.6	1710.1
22.5°	1683.4	1687.4	1688.9	1689.8	1688.9
25°	1660.3	1664.7	1667.7	1666.7	1665.2
27.5°	1632.2	1637.1	1641.0	1638.6	1635.6
30°	1600.6	1605.0	1610.9	1606.5	1603.6
32.5°	1561.6	1570.0	1575.4	1570.0	1565.6
35°	1522.7	1529.6	1534.5	1527.1	1521.2
37.5°	1475.3	1483.7	1488.2	1477.8	1471.4
40°	1425.5	1433.9	1436.4	1423.1	1414.7
42.5°	1368.8	1378.2	1379.2	1360.5	1351.1
45°	1308.2	1316.6	1313.1	1291.4	1281.6
47.5°	1242.6	1248.5	1241.1	1218.9	1208.1
50°	1170.6	1174.1	1165.2	1139.1	1128.7
52.5°	1094.7	1094.2	1082.8	1056.7	1045.4
55°	1011.3	1007.4	995.1	968.9	959.6
57.5°	926.0	913.7	900.4	878.2	865.9
60°	827.9	818.5	806.7	784.5	775.1
62.5°	735.2	718.4	708.6	688.9	680.5
65°	631.2	615.9	608.0	594.7	583.3
67.5°	526.6	514.8	509.4	500.0	489.6
70°	421.1	417.7	414.7	405.8	399.4
72.5°	327.9	326.9	326.4	321.5	315.1
75°	243.6	245.1	246.1	241.6	236.2
77.5°	173.6	176.0	175.5	173.1	171.6
80°	113.4	115.4	116.9	114.4	114.4
82.5°	68.5	70.5	70.0	71.0	69.0
85°	34.0	35.5	35.5	35.0	34.5
87.5°	12.3	12.8	12.3	12.8	12.3
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)