

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: P506803

Luminaire Tested: **24PD-70-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506803
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-70-PW1-L927
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

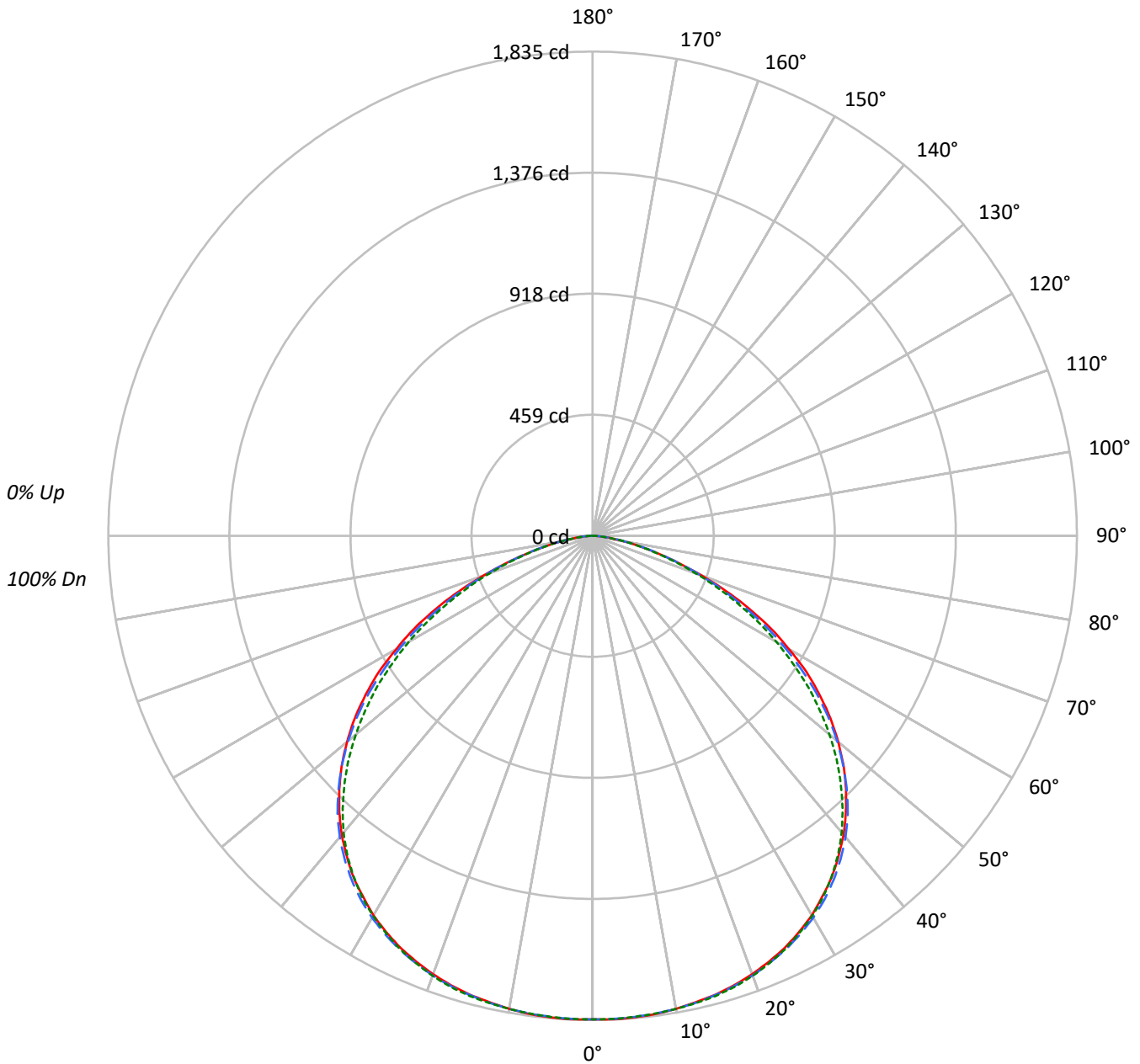
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5374.6 lumens
Efficiency: N/A
Efficacy: 104.4 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): 51.5
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									
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	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°	2466	2466	2466
5°	2475	2472	2472
10°	2487	2487	2488
15°	2507	2509	2514
20°	2531	2539	2541
25°	2558	2569	2565
30°	2580	2597	2585
35°	2595	2615	2593
40°	2598	2618	2578
45°	2583	2593	2530
50°	2543	2531	2452
55°	2462	2422	2336
60°	2312	2253	2164
65°	2085	2009	1927
70°	1719	1693	1630
75°	1314	1327	1274
80°	912	940	920
85°	545	568	553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	3.2
10°-20°	509.5	9.5
20°-30°	796.8	14.8
30°-40°	991.2	18.4
40°-50°	1041.6	19.4
50°-60°	914.3	17.0
60°-70°	622.6	11.6
70°-80°	274.7	5.1
80°-90°	49.5	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°	1480.8	27.6
0°-40°	2471.9	46.0
0°-60°	4427.9	82.4
0°-90°	5374.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5374.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1832	1832	1830	1828	1830	175
15°	1800	1802	1802	1802	1805	509
25°	1723	1727	1730	1729	1728	794
35°	1580	1587	1592	1585	1578	987
45°	1357	1366	1362	1340	1330	1045
55°	1049	1045	1032	1005	996	935
65°	655	639	631	617	605	646
75°	253	254	255	251	245	277
85°	35	37	37	36	36	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1832.8	1832.8	1832.8	1832.8	1832.8
2.5°	1834.8	1833.8	1832.8	1831.2	1832.8
5°	1832.2	1831.7	1830.2	1828.2	1830.2
7.5°	1828.2	1828.2	1826.6	1825.1	1826.1
10°	1820.5	1822.0	1820.5	1818.9	1821.0
12.5°	1810.2	1812.8	1812.3	1812.3	1813.8
15°	1800.0	1802.1	1801.5	1801.5	1805.1
17.5°	1785.7	1788.2	1788.8	1789.8	1791.8
20°	1767.8	1771.4	1773.4	1772.9	1774.4
22.5°	1746.8	1750.9	1752.4	1753.5	1752.4
25°	1722.8	1727.4	1730.4	1729.4	1727.9
27.5°	1693.6	1698.7	1702.8	1700.2	1697.2
30°	1660.8	1665.4	1671.6	1667.0	1663.9
32.5°	1620.4	1629.1	1634.7	1629.1	1624.5
35°	1580.0	1587.2	1592.3	1584.6	1578.5
37.5°	1530.9	1539.6	1544.2	1533.4	1526.8
40°	1479.2	1487.9	1490.5	1476.6	1467.9
42.5°	1420.4	1430.1	1431.1	1411.7	1401.9
45°	1357.4	1366.1	1362.5	1340.0	1329.8
47.5°	1289.4	1295.5	1287.8	1264.8	1253.6
50°	1214.7	1218.3	1209.0	1181.9	1171.2
52.5°	1135.9	1135.4	1123.6	1096.5	1084.7
55°	1049.4	1045.3	1032.5	1005.4	995.7
57.5°	960.9	948.1	934.3	911.3	898.5
60°	859.1	849.4	837.1	814.0	804.3
62.5°	762.9	745.5	735.3	714.8	706.1
65°	654.9	639.1	630.9	617.1	605.3
67.5°	546.5	534.2	528.5	518.8	508.1
70°	437.0	433.4	430.3	421.1	414.4
72.5°	340.3	339.2	338.7	333.6	326.9
75°	252.8	254.3	255.3	250.7	245.1
77.5°	180.1	182.7	182.2	179.6	178.1
80°	117.7	119.7	121.3	118.7	118.7
82.5°	71.1	73.2	72.7	73.7	71.6
85°	35.3	36.8	36.8	36.3	35.8
87.5°	12.8	13.3	12.8	13.3	12.8
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)