

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: P506453

Luminaire Tested: **22PD-70-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PW1-L930
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

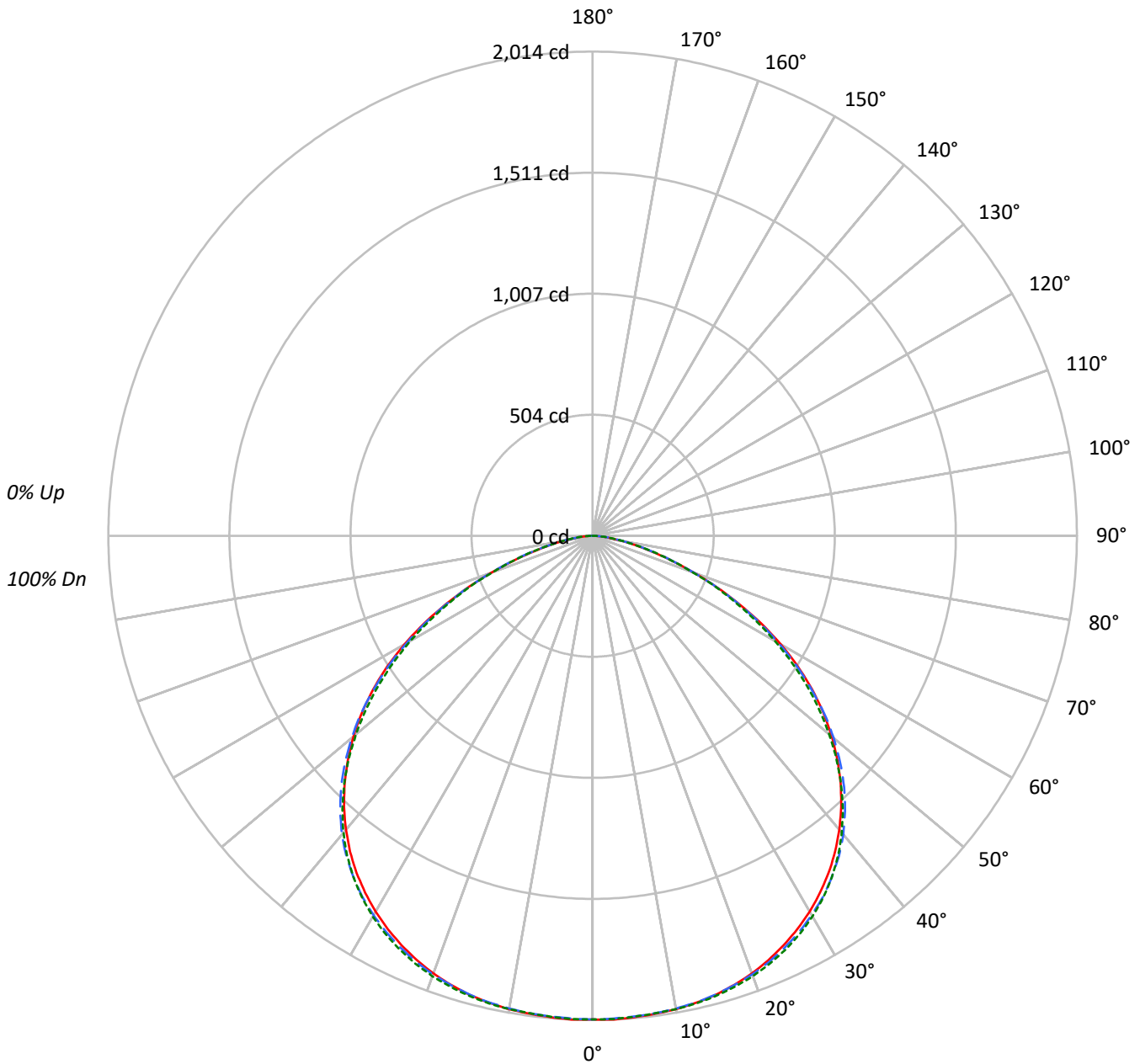
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5815.8 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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	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	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	5414	5414	5414
5°	5429	5421	5423
10°	5464	5456	5462
15°	5507	5505	5521
20°	5547	5560	5582
25°	5581	5613	5638
30°	5608	5662	5682
35°	5622	5695	5698
40°	5605	5696	5663
45°	5550	5629	5560
50°	5436	5476	5376
55°	5225	5202	5104
60°	4865	4810	4710
65°	4290	4249	4166
70°	3513	3530	3456
75°	2662	2751	2729
80°	1928	2005	1973
85°	1266	1309	1399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	3.3
10°-20°	558.8	9.6
20°-30°	871.2	15.0
30°-40°	1079.7	18.6
40°-50°	1129.8	19.4
50°-60°	984.5	16.9
60°-70°	659.5	11.3
70°-80°	285.9	4.9
80°-90°	55.0	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°	1621.2	27.9
0°-40°	2701.0	46.4
0°-60°	4815.3	82.8
0°-90°	5815.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5815.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2012	2012	2012	2012	2012	
5°	2010	2008	2007	2006	2008	192
15°	1977	1974	1976	1978	1982	558
25°	1880	1880	1890	1896	1899	867
35°	1711	1718	1734	1736	1734	1070
45°	1458	1466	1479	1467	1461	1123
55°	1114	1113	1109	1097	1088	992
65°	674	670	667	661	654	666
75°	256	260	265	262	262	282
85°	41	44	42	43	45	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2011.9	2011.9	2011.9	2011.9	2011.9
2.5°	2014.1	2010.5	2009.8	2009.8	2011.9
5°	2009.8	2007.6	2006.9	2006.2	2007.6
7.5°	2005.5	2002.6	2003.3	2001.9	2003.3
10°	1999.7	1996.8	1996.8	1996.8	1999.0
12.5°	1989.6	1987.5	1988.2	1989.6	1992.5
15°	1976.7	1973.8	1976.0	1978.1	1981.7
17.5°	1958.7	1956.6	1960.2	1963.8	1966.6
20°	1937.1	1935.0	1941.5	1946.5	1949.4
22.5°	1910.5	1909.8	1918.5	1924.2	1926.4
25°	1879.6	1880.3	1890.4	1896.2	1899.0
27.5°	1844.4	1845.8	1858.8	1863.8	1866.7
30°	1804.8	1808.4	1822.1	1826.4	1828.6
32.5°	1760.3	1765.3	1781.8	1784.7	1784.7
35°	1711.4	1717.8	1733.7	1735.8	1734.4
37.5°	1656.7	1663.9	1681.9	1679.0	1676.8
40°	1595.6	1603.5	1621.5	1615.7	1612.1
42.5°	1530.2	1538.1	1553.9	1545.3	1540.2
45°	1458.3	1466.2	1479.1	1466.9	1461.1
47.5°	1380.6	1389.9	1396.4	1382.8	1375.6
50°	1298.6	1301.5	1308.0	1292.2	1284.2
52.5°	1209.5	1209.5	1214.5	1197.2	1187.9
55°	1113.8	1113.1	1108.8	1096.6	1087.9
57.5°	1012.4	1008.1	1005.2	992.3	982.2
60°	903.9	897.4	893.8	883.0	875.1
62.5°	790.2	786.7	782.3	773.7	765.1
65°	673.8	670.2	667.3	660.8	654.3
67.5°	558.0	555.8	555.8	551.5	550.8
70°	446.5	448.0	448.7	448.7	439.3
72.5°	345.9	346.6	350.2	347.3	346.6
75°	256.0	260.3	264.6	262.5	262.5
77.5°	184.1	190.6	190.6	189.1	187.0
80°	124.4	127.3	129.4	128.7	127.3
82.5°	79.1	81.3	79.1	80.5	81.3
85°	41.0	43.9	42.4	43.1	45.3
87.5°	13.7	15.1	15.8	15.1	15.1
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)