

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: P506084

Luminaire Tested: **14PD-70-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PL1-L930
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

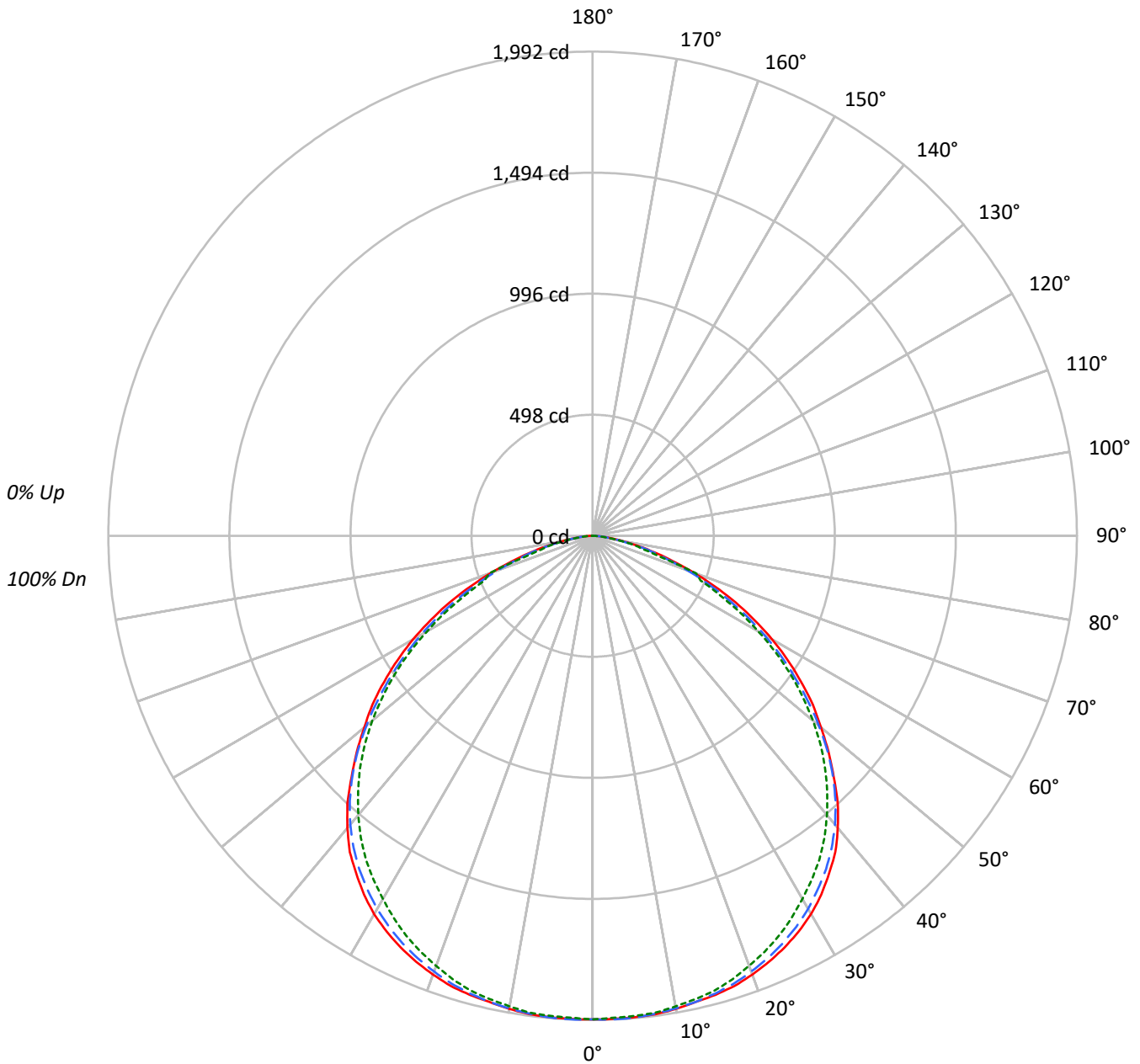
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5530.4 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5355	5355	5355
5°	5372	5375	5357
10°	5401	5395	5372
15°	5446	5431	5397
20°	5501	5464	5392
25°	5548	5493	5389
30°	5585	5507	5361
35°	5571	5499	5342
40°	5512	5447	5266
45°	5335	5319	5148
50°	5133	5087	4950
55°	4911	4768	4660
60°	4587	4381	4235
65°	4133	3875	3667
70°	3456	3242	3559
75°	2727	2624	2272
80°	1965	1743	1777
85°	1247	1047	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	3.4
10°-20°	549.9	9.9
20°-30°	850.3	15.4
30°-40°	1040.6	18.8
40°-50°	1066.8	19.3
50°-60°	908.6	16.4
60°-70°	607.2	11.0
70°-80°	269.1	4.9
80°-90°	48.7	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°	1589.4	28.7
0°-40°	2630.0	47.6
0°-60°	4605.5	83.3
0°-90°	5530.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5530.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1989	1984	1990	1989	1983	189
15°	1955	1948	1949	1944	1937	553
25°	1868	1862	1850	1826	1815	862
35°	1696	1692	1674	1637	1626	1060
45°	1402	1406	1398	1366	1353	1082
55°	1047	1041	1016	996	993	934
65°	649	644	609	581	576	640
75°	262	266	252	254	218	284
85°	40	39	34	33	32	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1989.8	1989.8	1989.8	1989.8	1989.8
2.5°	1989.8	1986.6	1992.0	1994.2	1984.4
5°	1988.7	1984.4	1989.8	1988.7	1983.3
7.5°	1985.5	1977.8	1983.3	1981.1	1978.9
10°	1976.7	1970.2	1974.5	1971.3	1965.8
12.5°	1964.7	1960.3	1963.6	1960.3	1952.7
15°	1954.9	1948.3	1949.4	1943.9	1937.4
17.5°	1941.8	1931.9	1931.9	1921.0	1913.3
20°	1921.0	1912.3	1907.9	1892.6	1882.8
22.5°	1897.0	1890.4	1881.7	1862.0	1851.1
25°	1868.5	1862.0	1850.0	1825.9	1815.0
27.5°	1835.8	1827.0	1813.9	1785.5	1772.4
30°	1797.5	1786.6	1772.4	1740.7	1725.4
32.5°	1750.5	1742.9	1724.3	1691.5	1677.3
35°	1695.9	1691.5	1674.0	1636.9	1626.0
37.5°	1640.2	1631.4	1616.1	1576.8	1565.9
40°	1569.1	1563.7	1550.6	1512.3	1499.2
42.5°	1492.7	1489.4	1478.4	1442.4	1428.2
45°	1402.0	1406.3	1397.6	1365.9	1352.8
47.5°	1315.6	1313.4	1310.2	1281.8	1270.8
50°	1226.0	1221.7	1215.1	1192.2	1182.3
52.5°	1141.9	1133.1	1115.7	1096.0	1089.4
55°	1046.8	1041.4	1016.2	995.5	993.3
57.5°	950.7	947.4	916.8	892.8	892.8
60°	852.3	847.9	814.1	788.9	786.8
62.5°	749.6	746.3	711.4	682.9	684.0
65°	649.1	643.6	608.6	581.3	575.9
67.5°	544.2	542.0	508.1	483.0	480.8
70°	439.3	439.3	412.0	390.1	452.4
72.5°	346.4	343.1	321.3	311.4	297.2
75°	262.3	265.5	252.4	253.5	218.5
77.5°	186.9	181.4	175.9	163.9	173.7
80°	126.8	123.5	112.5	109.3	114.7
82.5°	78.7	79.8	69.9	63.4	62.3
85°	40.4	39.3	33.9	32.8	31.7
87.5°	15.3	16.4	14.2	13.1	12.0
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)