

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: P506435

Luminaire Tested: **22PD-70-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PL1-L930
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

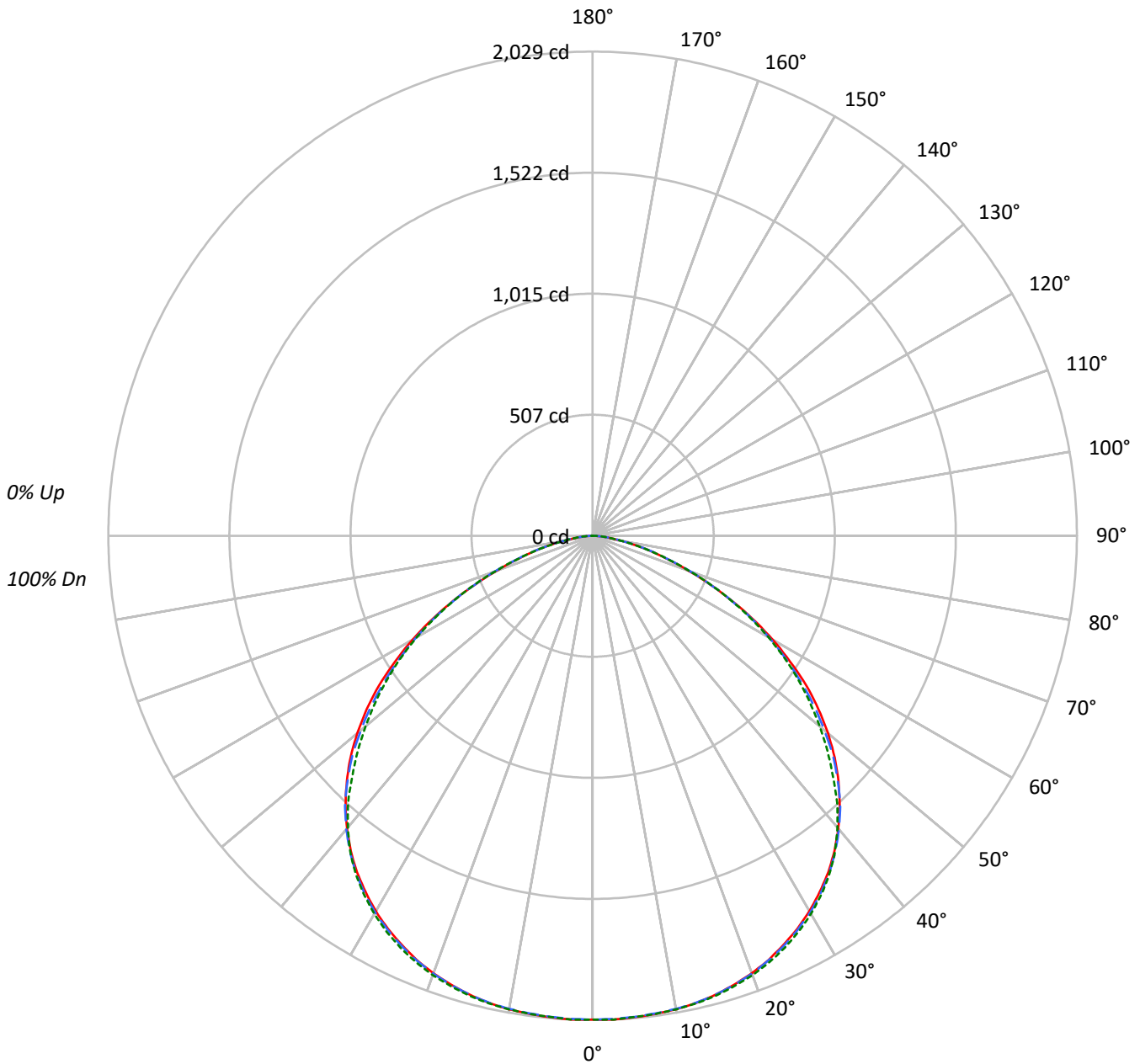
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5743.9 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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	110	105	101	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5457	5457	5457
5°	5472	5466	5468
10°	5506	5500	5506
15°	5546	5546	5558
20°	5586	5592	5611
25°	5616	5629	5657
30°	5645	5662	5684
35°	5653	5672	5684
40°	5624	5639	5604
45°	5544	5527	5416
50°	5387	5303	5195
55°	5126	4995	4938
60°	4693	4604	4577
65°	4092	4083	4069
70°	3354	3410	3399
75°	2658	2702	2658
80°	1948	1937	1925
85°	1300	1278	1368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	3.4
10°-20°	562.7	9.8
20°-30°	874.6	15.2
30°-40°	1078.2	18.8
40°-50°	1113.7	19.4
50°-60°	952.9	16.6
60°-70°	636.0	11.1
70°-80°	279.1	4.9
80°-90°	53.9	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°	1630.1	28.4
0°-40°	2708.3	47.2
0°-60°	4774.9	83.1
0°-90°	5743.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5743.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2028	2028	2028	2028	2028	
5°	2026	2023	2024	2022	2024	193
15°	1991	1989	1991	1992	1995	563
25°	1892	1892	1896	1902	1905	873
35°	1721	1721	1727	1730	1730	1075
45°	1457	1456	1452	1439	1423	1121
55°	1092	1079	1065	1059	1052	971
65°	643	641	641	643	639	638
75°	256	254	260	258	256	277
85°	42	41	41	43	44	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2027.9	2027.9	2027.9	2027.9	2027.9
2.5°	2029.3	2026.5	2025.8	2025.8	2029.3
5°	2025.8	2022.9	2023.6	2022.2	2024.3
7.5°	2020.8	2017.9	2018.6	2017.9	2020.8
10°	2015.1	2012.2	2012.9	2012.2	2015.1
12.5°	2005.1	2002.9	2004.4	2005.1	2007.2
15°	1990.8	1988.6	1990.8	1992.2	1995.1
17.5°	1972.2	1970.8	1972.9	1975.1	1978.6
20°	1950.8	1949.4	1952.9	1955.1	1959.4
22.5°	1924.4	1923.0	1926.5	1931.5	1934.4
25°	1891.5	1891.5	1895.8	1901.5	1905.1
27.5°	1856.5	1855.8	1860.8	1866.5	1870.1
30°	1816.6	1815.1	1822.3	1827.3	1829.4
32.5°	1770.1	1770.9	1777.3	1782.3	1783.0
35°	1720.9	1720.9	1726.6	1730.2	1730.2
37.5°	1664.5	1663.7	1669.5	1670.9	1668.7
40°	1600.9	1601.6	1605.2	1604.5	1595.2
42.5°	1532.4	1533.1	1535.9	1525.9	1516.7
45°	1456.7	1456.0	1452.4	1438.8	1423.1
47.5°	1376.0	1372.4	1366.7	1346.0	1334.6
50°	1286.7	1281.0	1266.7	1250.3	1241.0
52.5°	1192.5	1182.5	1168.2	1155.3	1147.5
55°	1092.5	1078.9	1064.7	1058.9	1052.5
57.5°	981.1	972.5	960.4	957.5	953.3
60°	871.9	862.6	855.4	855.4	850.4
62.5°	757.6	751.9	749.0	750.5	745.5
65°	642.6	641.2	641.2	643.4	639.1
67.5°	531.3	534.1	533.4	540.5	534.8
70°	426.3	431.3	433.4	440.6	432.0
72.5°	335.6	336.3	339.2	341.3	337.0
75°	255.6	253.5	259.9	258.5	255.6
77.5°	184.9	183.5	185.7	187.1	183.5
80°	125.7	124.2	125.0	127.1	124.2
82.5°	79.3	77.8	77.8	80.0	79.3
85°	42.1	41.4	41.4	42.8	44.3
87.5°	15.0	14.3	15.0	15.0	15.0
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)