

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: P506436

Luminaire Tested: **22PD-70-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506436
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-L935
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

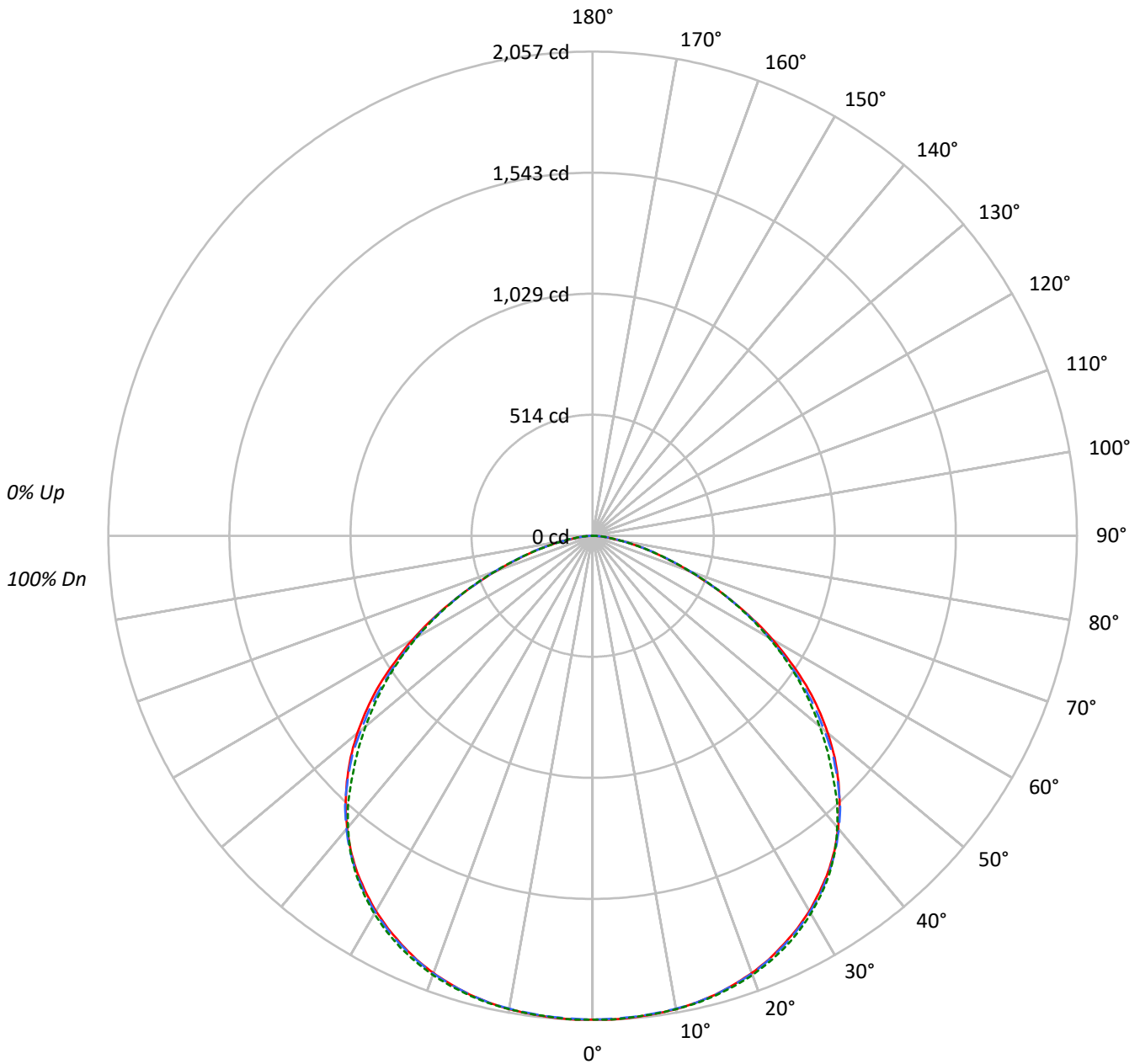
Lumens per Lamp: N/A
Luminaire Lumens: 5821.4 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	5530	5530	5530
5°	5546	5540	5542
10°	5580	5575	5580
15°	5621	5621	5633
20°	5662	5668	5687
25°	5692	5705	5733
30°	5720	5739	5761
35°	5730	5749	5760
40°	5700	5715	5679
45°	5618	5602	5489
50°	5460	5375	5266
55°	5195	5062	5005
60°	4755	4666	4639
65°	4147	4138	4124
70°	3399	3456	3445
75°	2694	2739	2694
80°	1974	1962	1951
85°	1318	1297	1386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	3.4
10°-20°	570.3	9.8
20°-30°	886.4	15.2
30°-40°	1092.7	18.8
40°-50°	1128.7	19.4
50°-60°	965.8	16.6
60°-70°	644.6	11.1
70°-80°	282.8	4.9
80°-90°	54.7	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°	1652.1	28.4
0°-40°	2744.8	47.2
0°-60°	4839.3	83.1
0°-90°	5821.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5821.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2055	2055	2055	2055	2055	
5°	2053	2050	2051	2050	2052	196
15°	2018	2015	2018	2019	2022	570
25°	1917	1917	1921	1927	1931	884
35°	1744	1744	1750	1754	1754	1090
45°	1476	1476	1472	1458	1442	1136
55°	1107	1094	1079	1073	1067	984
65°	651	650	650	652	648	646
75°	259	257	263	262	259	281
85°	43	42	42	43	45	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2055.2	2055.2	2055.2	2055.2	2055.2
2.5°	2056.7	2053.8	2053.1	2053.1	2056.7
5°	2053.1	2050.2	2050.9	2049.5	2051.6
7.5°	2048.0	2045.1	2045.8	2045.1	2048.0
10°	2042.2	2039.3	2040.1	2039.3	2042.2
12.5°	2032.1	2029.9	2031.4	2032.1	2034.3
15°	2017.6	2015.4	2017.6	2019.1	2022.0
17.5°	1998.8	1997.4	1999.5	2001.7	2005.3
20°	1977.1	1975.6	1979.3	1981.4	1985.8
22.5°	1950.3	1948.9	1952.5	1957.6	1960.4
25°	1917.0	1917.0	1921.4	1927.2	1930.8
27.5°	1881.6	1880.8	1885.9	1891.7	1895.3
30°	1841.0	1839.6	1846.8	1851.9	1854.1
32.5°	1794.0	1794.7	1801.2	1806.3	1807.0
35°	1744.1	1744.1	1749.9	1753.5	1753.5
37.5°	1686.9	1686.2	1692.0	1693.4	1691.2
40°	1622.5	1623.2	1626.8	1626.1	1616.7
42.5°	1553.0	1553.7	1556.6	1546.5	1537.1
45°	1476.3	1475.6	1472.0	1458.2	1442.3
47.5°	1394.5	1390.9	1385.1	1364.1	1352.6
50°	1304.1	1298.3	1283.8	1267.2	1257.8
52.5°	1208.5	1198.4	1183.9	1170.9	1163.0
55°	1107.2	1093.5	1079.0	1073.2	1066.7
57.5°	994.3	985.7	973.3	970.5	966.1
60°	883.6	874.2	867.0	867.0	861.9
62.5°	767.8	762.0	759.1	760.6	755.5
65°	651.3	649.9	649.9	652.0	647.7
67.5°	538.4	541.3	540.6	547.8	542.0
70°	432.0	437.1	439.3	446.5	437.8
72.5°	340.1	340.9	343.7	345.9	341.6
75°	259.1	256.9	263.4	262.0	259.1
77.5°	187.4	186.0	188.2	189.6	186.0
80°	127.4	125.9	126.6	128.8	125.9
82.5°	80.3	78.9	78.9	81.1	80.3
85°	42.7	42.0	42.0	43.4	44.9
87.5°	15.2	14.5	15.2	15.2	15.2
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)