

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: P506437

Luminaire Tested: **22PD-70-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506437
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-L940
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

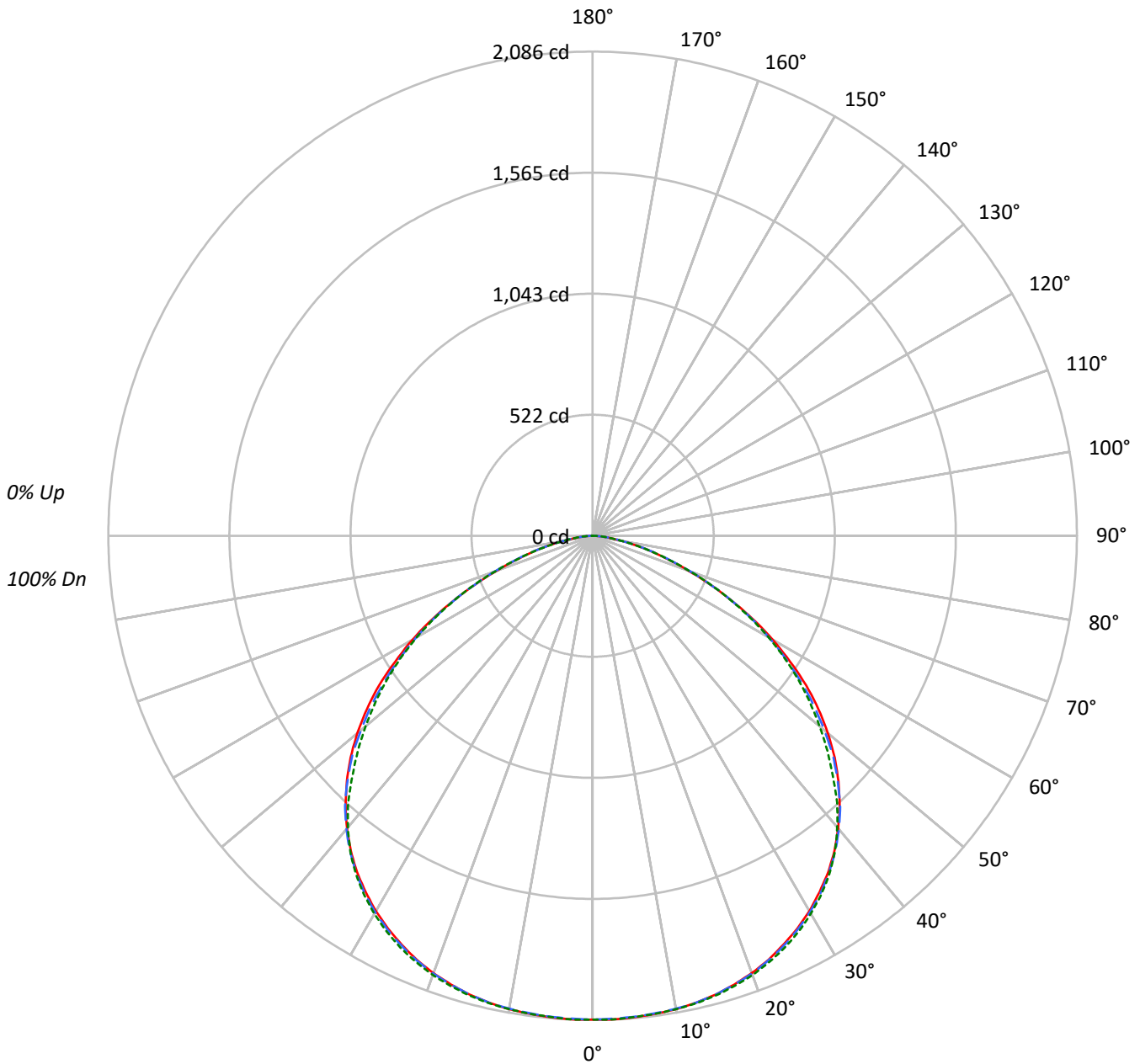
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5903.8 lumens
Efficiency: N/A
Efficacy: 92.4 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				20				20	
RC	80				70				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				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61				61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5609	5609	5609
5°	5624	5618	5621
10°	5659	5653	5659
15°	5701	5701	5713
20°	5742	5748	5767
25°	5773	5786	5814
30°	5802	5820	5843
35°	5810	5830	5842
40°	5780	5796	5760
45°	5698	5681	5566
50°	5537	5451	5340
55°	5268	5134	5075
60°	4823	4732	4704
65°	4206	4197	4183
70°	3448	3505	3493
75°	2731	2777	2731
80°	2002	1990	1979
85°	1337	1315	1405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	3.4
10°-20°	578.3	9.8
20°-30°	898.9	15.2
30°-40°	1108.2	18.8
40°-50°	1144.7	19.4
50°-60°	979.5	16.6
60°-70°	653.7	11.1
70°-80°	286.8	4.9
80°-90°	55.5	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°	1675.5	28.4
0°-40°	2783.6	47.2
0°-60°	4907.8	83.1
0°-90°	5903.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5903.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2082	2079	2080	2078	2081	198
15°	2046	2044	2046	2048	2051	578
25°	1944	1944	1949	1954	1958	897
35°	1769	1769	1775	1778	1778	1105
45°	1497	1496	1493	1479	1463	1153
55°	1123	1109	1094	1088	1082	998
65°	660	659	659	661	657	655
75°	263	260	267	266	263	285
85°	43	43	43	44	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2085.8	2082.9	2082.1	2082.1	2085.8
5°	2082.1	2079.2	2079.9	2078.5	2080.7
7.5°	2077.0	2074.1	2074.8	2074.1	2077.0
10°	2071.1	2068.2	2068.9	2068.2	2071.1
12.5°	2060.8	2058.6	2060.1	2060.8	2063.1
15°	2046.2	2044.0	2046.2	2047.6	2050.6
17.5°	2027.1	2025.6	2027.8	2030.0	2033.7
20°	2005.1	2003.6	2007.3	2009.5	2013.9
22.5°	1977.9	1976.4	1980.1	1985.3	1988.2
25°	1944.2	1944.2	1948.6	1954.4	1958.1
27.5°	1908.2	1907.5	1912.6	1918.5	1922.1
30°	1867.1	1865.6	1873.0	1878.1	1880.3
32.5°	1819.4	1820.1	1826.7	1831.9	1832.6
35°	1768.7	1768.7	1774.6	1778.3	1778.3
37.5°	1710.8	1710.0	1715.9	1717.4	1715.2
40°	1645.5	1646.2	1649.9	1649.1	1639.6
42.5°	1575.0	1575.7	1578.7	1568.4	1558.8
45°	1497.2	1496.5	1492.8	1478.9	1462.7
47.5°	1414.3	1410.6	1404.7	1383.4	1371.7
50°	1322.5	1316.7	1302.0	1285.1	1275.6
52.5°	1225.6	1215.4	1200.7	1187.5	1179.4
55°	1122.9	1109.0	1094.3	1088.4	1081.8
57.5°	1008.4	999.6	987.1	984.2	979.8
60°	896.1	886.6	879.2	879.2	874.1
62.5°	778.7	772.8	769.9	771.4	766.2
65°	660.5	659.1	659.1	661.3	656.9
67.5°	546.0	549.0	548.2	555.6	549.7
70°	438.2	443.3	445.5	452.8	444.0
72.5°	344.9	345.7	348.6	350.8	346.4
75°	262.7	260.5	267.1	265.7	262.7
77.5°	190.1	188.6	190.8	192.3	188.6
80°	129.2	127.7	128.4	130.6	127.7
82.5°	81.5	80.0	80.0	82.2	81.5
85°	43.3	42.6	42.6	44.0	45.5
87.5°	15.4	14.7	15.4	15.4	15.4
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)