

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P995567

Luminaire Tested: 22D3X-LP-WD-70-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-70-L940.ies
Description: 2x2 D3X-LP AT 7000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

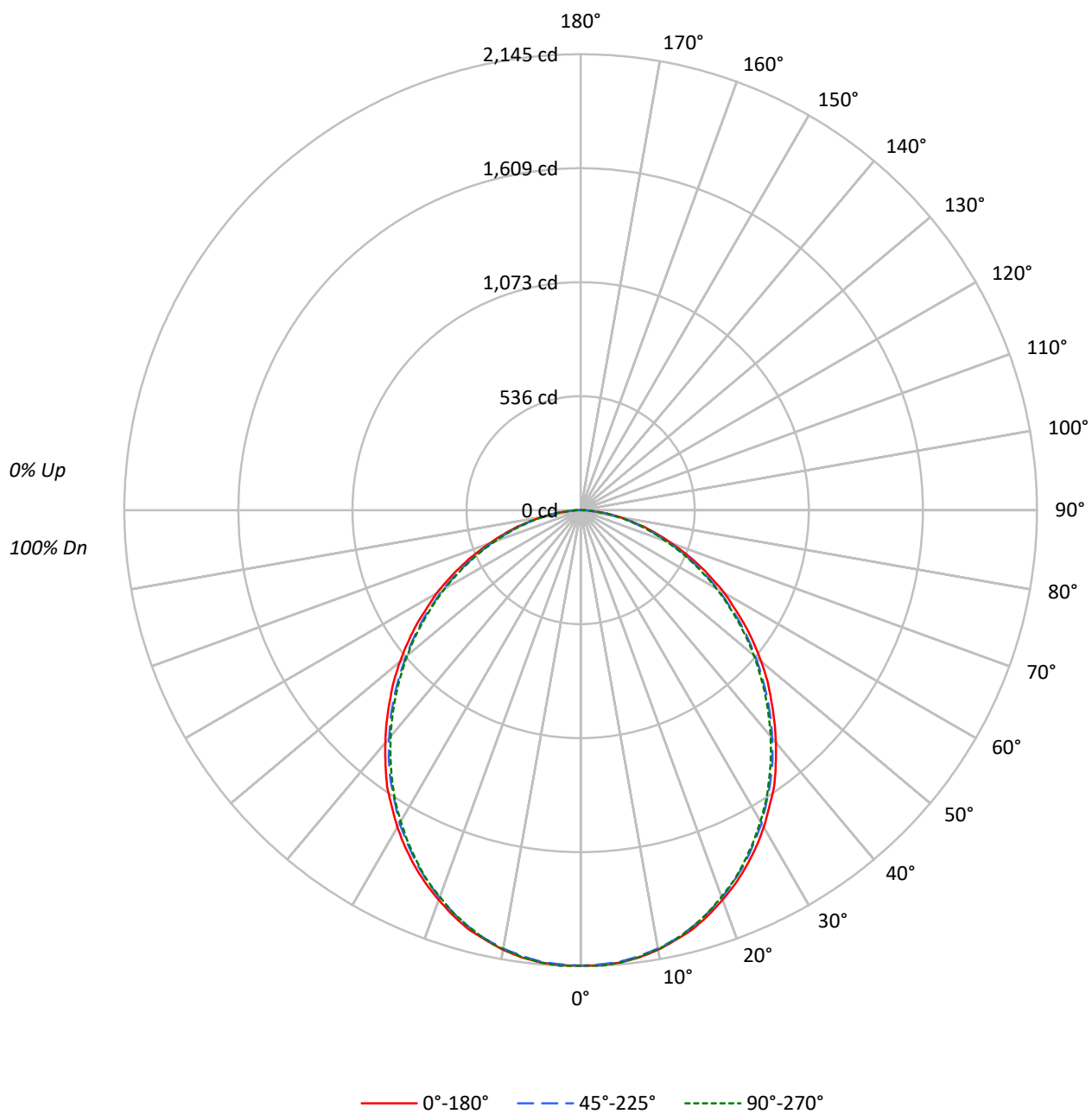
Lumens per Lamp: N/A
Luminaire Lumens: 5355.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V): 120
Input Current (Ain): 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: 24 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
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	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	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5766	5766	5766
5°	5771	5760	5771
10°	5739	5721	5733
15°	5685	5655	5655
20°	5586	5556	5544
25°	5482	5431	5412
30°	5352	5286	5253
35°	5210	5112	5076
40°	5016	4919	4881
45°	4825	4711	4671
50°	4638	4486	4450
55°	4426	4266	4206
60°	4204	4020	3963
65°	3914	3724	3683
70°	3577	3443	3359
75°	3263	3062	3085
80°	2811	2647	2679
85°	2174	2109	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4825 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	3.8
10°-20°	572.4	10.7
20°-30°	843.0	15.7
30°-40°	975.2	18.2
40°-50°	958.7	17.9
50°-60°	817.0	15.3
60°-70°	585.4	10.9
70°-80°	317.9	5.9
80°-90°	82.9	1.5
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°	1617.8	30.2
0°-40°	2592.9	48.4
0°-60°	4368.7	81.6
0°-90°	5355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2143	2143	2143	2143	2143	
5°	2136	2132	2132	2132	2136	203
15°	2040	2032	2030	2028	2030	574
25°	1846	1838	1829	1825	1823	850
35°	1586	1573	1556	1547	1545	989
45°	1268	1259	1238	1227	1227	979
55°	943	926	909	899	896	842
65°	615	602	585	578	578	609
75°	314	303	294	290	297	331
85°	70	70	68	66	64	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2142.9	2142.9	2142.9	2142.9	2142.9
2.5°	2142.9	2140.8	2138.7	2140.8	2145.1
5°	2136.5	2132.3	2132.3	2132.3	2136.5
7.5°	2121.6	2117.3	2115.2	2117.3	2119.5
10°	2100.2	2096.0	2093.8	2096.0	2098.1
12.5°	2070.4	2068.2	2066.1	2066.1	2068.2
15°	2040.5	2031.9	2029.8	2027.7	2029.8
17.5°	1997.8	1995.7	1987.1	1987.1	1987.1
20°	1950.8	1946.6	1940.2	1935.9	1935.9
22.5°	1901.8	1897.5	1886.8	1882.5	1884.7
25°	1846.3	1837.7	1829.2	1824.9	1822.8
27.5°	1786.5	1778.0	1765.1	1758.7	1758.7
30°	1722.5	1716.1	1701.1	1692.6	1690.4
32.5°	1652.0	1647.8	1626.4	1622.1	1622.1
35°	1585.9	1573.1	1556.0	1547.4	1545.3
37.5°	1506.9	1498.3	1481.3	1470.6	1468.5
40°	1427.9	1417.2	1400.2	1391.6	1389.5
42.5°	1348.9	1338.3	1321.2	1310.5	1308.4
45°	1267.8	1259.3	1238.0	1227.3	1227.3
47.5°	1191.0	1173.9	1154.7	1146.2	1144.0
50°	1107.8	1092.8	1071.5	1062.9	1062.9
52.5°	1024.5	1013.8	990.4	986.1	981.8
55°	943.4	926.3	909.3	898.6	896.4
57.5°	855.9	841.0	823.9	815.3	815.3
60°	781.2	762.0	747.0	736.4	736.4
62.5°	695.8	678.7	663.8	657.4	655.3
65°	614.7	601.9	584.8	578.4	578.4
67.5°	533.6	522.9	508.0	501.6	503.7
70°	454.6	448.2	437.6	429.0	426.9
72.5°	382.1	373.5	362.8	360.7	360.7
75°	313.8	303.1	294.5	290.3	296.7
77.5°	243.3	236.9	232.6	230.5	232.6
80°	181.4	172.9	170.8	172.9	172.9
82.5°	125.9	121.7	119.5	119.5	119.5
85°	70.4	70.4	68.3	66.2	64.0
87.5°	27.7	27.7	29.9	29.9	32.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)