

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: P995485

Luminaire Tested: 22D3X-LP-WD-20-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995485
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-20-L935.ies
Description: 2x2 D3X-LP AT 2000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

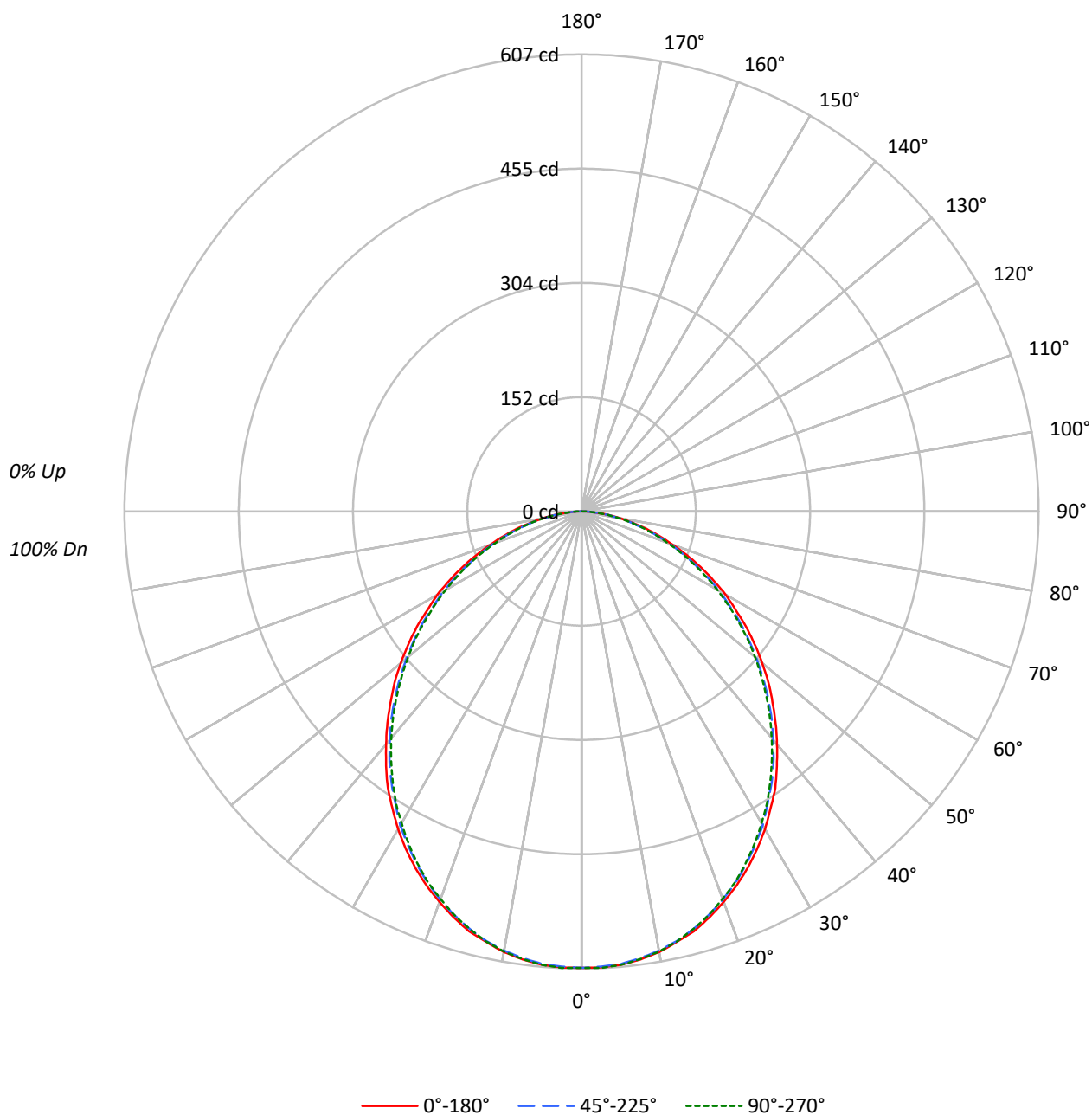
Lumens per Lamp: N/A
Luminaire Lumens: 1514.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	1631	1631	1631
5°	1632	1629	1632
10°	1623	1618	1622
15°	1608	1599	1599
20°	1580	1572	1568
25°	1550	1536	1531
30°	1514	1495	1486
35°	1474	1446	1436
40°	1419	1391	1381
45°	1365	1333	1321
50°	1312	1269	1259
55°	1252	1207	1190
60°	1189	1137	1121
65°	1107	1053	1042
70°	1012	974	950
75°	922	866	872
80°	795	748	758
85°	614	596	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	3.8
10°-20°	161.9	10.7
20°-30°	238.4	15.7
30°-40°	275.8	18.2
40°-50°	271.2	17.9
50°-60°	231.1	15.3
60°-70°	165.6	10.9
70°-80°	89.9	5.9
80°-90°	23.5	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°	457.6	30.2
0°-40°	733.4	48.4
0°-60°	1235.7	81.6
0°-90°	1514.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	604	603	603	603	604	57
15°	577	575	574	574	574	162
25°	522	520	517	516	516	240
35°	449	445	440	438	437	280
45°	359	356	350	347	347	277
55°	267	262	257	254	254	238
65°	174	170	165	164	164	172
75°	89	86	83	82	84	94
85°	20	20	19	19	18	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.1	606.1	606.1	606.1	606.1
2.5°	606.1	605.5	604.9	605.5	606.7
5°	604.3	603.1	603.1	603.1	604.3
7.5°	600.1	598.9	598.3	598.9	599.5
10°	594.1	592.9	592.3	592.9	593.5
12.5°	585.6	585.0	584.4	584.4	585.0
15°	577.2	574.8	574.1	573.5	574.1
17.5°	565.1	564.5	562.1	562.1	562.1
20°	551.8	550.6	548.8	547.6	547.6
22.5°	537.9	536.7	533.7	532.5	533.1
25°	522.2	519.8	517.4	516.2	515.6
27.5°	505.3	502.9	499.3	497.5	497.5
30°	487.2	485.4	481.2	478.8	478.2
32.5°	467.3	466.1	460.0	458.8	458.8
35°	448.6	444.9	440.1	437.7	437.1
37.5°	426.2	423.8	419.0	416.0	415.4
40°	403.9	400.9	396.0	393.6	393.0
42.5°	381.6	378.5	373.7	370.7	370.1
45°	358.6	356.2	350.2	347.1	347.1
47.5°	336.9	332.1	326.6	324.2	323.6
50°	313.3	309.1	303.1	300.7	300.7
52.5°	289.8	286.8	280.1	278.9	277.7
55°	266.8	262.0	257.2	254.2	253.6
57.5°	242.1	237.9	233.0	230.6	230.6
60°	221.0	215.5	211.3	208.3	208.3
62.5°	196.8	192.0	187.8	185.9	185.3
65°	173.9	170.3	165.4	163.6	163.6
67.5°	150.9	147.9	143.7	141.9	142.5
70°	128.6	126.8	123.8	121.3	120.7
72.5°	108.1	105.7	102.6	102.0	102.0
75°	88.7	85.7	83.3	82.1	83.9
77.5°	68.8	67.0	65.8	65.2	65.8
80°	51.3	48.9	48.3	48.9	48.9
82.5°	35.6	34.4	33.8	33.8	33.8
85°	19.9	19.9	19.3	18.7	18.1
87.5°	7.8	7.8	8.5	8.5	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)