

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: P995486

Luminaire Tested: 22D3X-LP-WD-20-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995486
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-L940.ies
Description: 2x2 D3X-LP AT 2000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

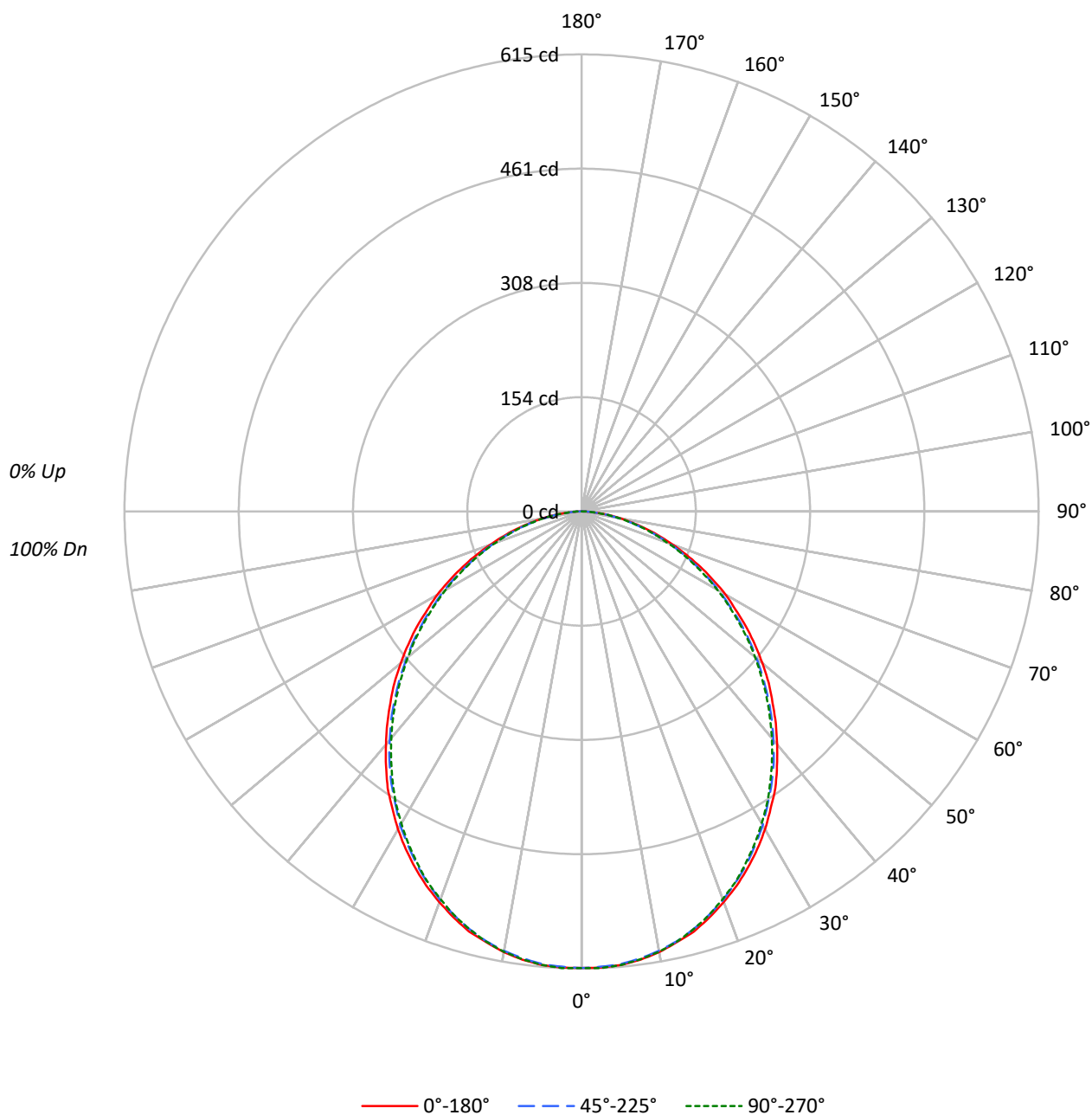
Lumens per Lamp: N/A
Luminaire Lumens: 1535.4 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1653	1653	1653
5°	1655	1652	1655
10°	1646	1641	1644
15°	1630	1621	1621
20°	1602	1593	1590
25°	1572	1557	1552
30°	1535	1515	1506
35°	1494	1465	1456
40°	1438	1410	1400
45°	1383	1351	1339
50°	1330	1286	1276
55°	1269	1223	1206
60°	1206	1153	1136
65°	1123	1068	1056
70°	1026	987	963
75°	936	879	885
80°	806	759	769
85°	624	605	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1383 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	3.8
10°-20°	164.1	10.7
20°-30°	241.7	15.7
30°-40°	279.6	18.2
40°-50°	274.9	17.9
50°-60°	234.3	15.3
60°-70°	167.9	10.9
70°-80°	91.2	5.9
80°-90°	23.8	1.6
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°	463.9	30.2
0°-40°	743.5	48.4
0°-60°	1252.6	81.6
0°-90°	1535.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	613	611	611	611	613	58
15°	585	583	582	581	582	165
25°	529	527	524	523	523	244
35°	455	451	446	444	443	284
45°	364	361	355	352	352	281
55°	270	266	261	258	257	242
65°	176	173	168	166	166	175
75°	90	87	84	83	85	95
85°	20	20	20	19	18	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	614.4	614.4	614.4	614.4	614.4
2.5°	614.4	613.8	613.2	613.8	615.0
5°	612.6	611.4	611.4	611.4	612.6
7.5°	608.3	607.1	606.5	607.1	607.7
10°	602.2	601.0	600.4	601.0	601.6
12.5°	593.6	593.0	592.4	592.4	593.0
15°	585.1	582.6	582.0	581.4	582.0
17.5°	572.8	572.2	569.8	569.8	569.8
20°	559.4	558.1	556.3	555.1	555.1
22.5°	545.3	544.1	541.0	539.8	540.4
25°	529.4	526.9	524.5	523.2	522.6
27.5°	512.2	509.8	506.1	504.3	504.3
30°	493.9	492.0	487.7	485.3	484.7
32.5°	473.7	472.4	466.3	465.1	465.1
35°	454.7	451.0	446.1	443.7	443.1
37.5°	432.1	429.6	424.7	421.7	421.0
40°	409.4	406.4	401.5	399.0	398.4
42.5°	386.8	383.7	378.8	375.8	375.1
45°	363.5	361.1	354.9	351.9	351.9
47.5°	341.5	336.6	331.1	328.6	328.0
50°	317.6	313.3	307.2	304.8	304.8
52.5°	293.8	290.7	284.0	282.7	281.5
55°	270.5	265.6	260.7	257.6	257.0
57.5°	245.4	241.1	236.2	233.8	233.8
60°	224.0	218.5	214.2	211.1	211.1
62.5°	199.5	194.6	190.3	188.5	187.9
65°	176.3	172.6	167.7	165.8	165.8
67.5°	153.0	149.9	145.7	143.8	144.4
70°	130.4	128.5	125.5	123.0	122.4
72.5°	109.5	107.1	104.0	103.4	103.4
75°	90.0	86.9	84.5	83.2	85.1
77.5°	69.8	67.9	66.7	66.1	66.7
80°	52.0	49.6	49.0	49.6	49.6
82.5°	36.1	34.9	34.3	34.3	34.3
85°	20.2	20.2	19.6	19.0	18.4
87.5°	8.0	8.0	8.6	8.6	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)