

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: P995582

Luminaire Tested: 24D3X-LP-WD-30-L927.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-008-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24D3X-LP-WD-30-L927.ies
Description: 2x4 D3X-LP AT 3000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

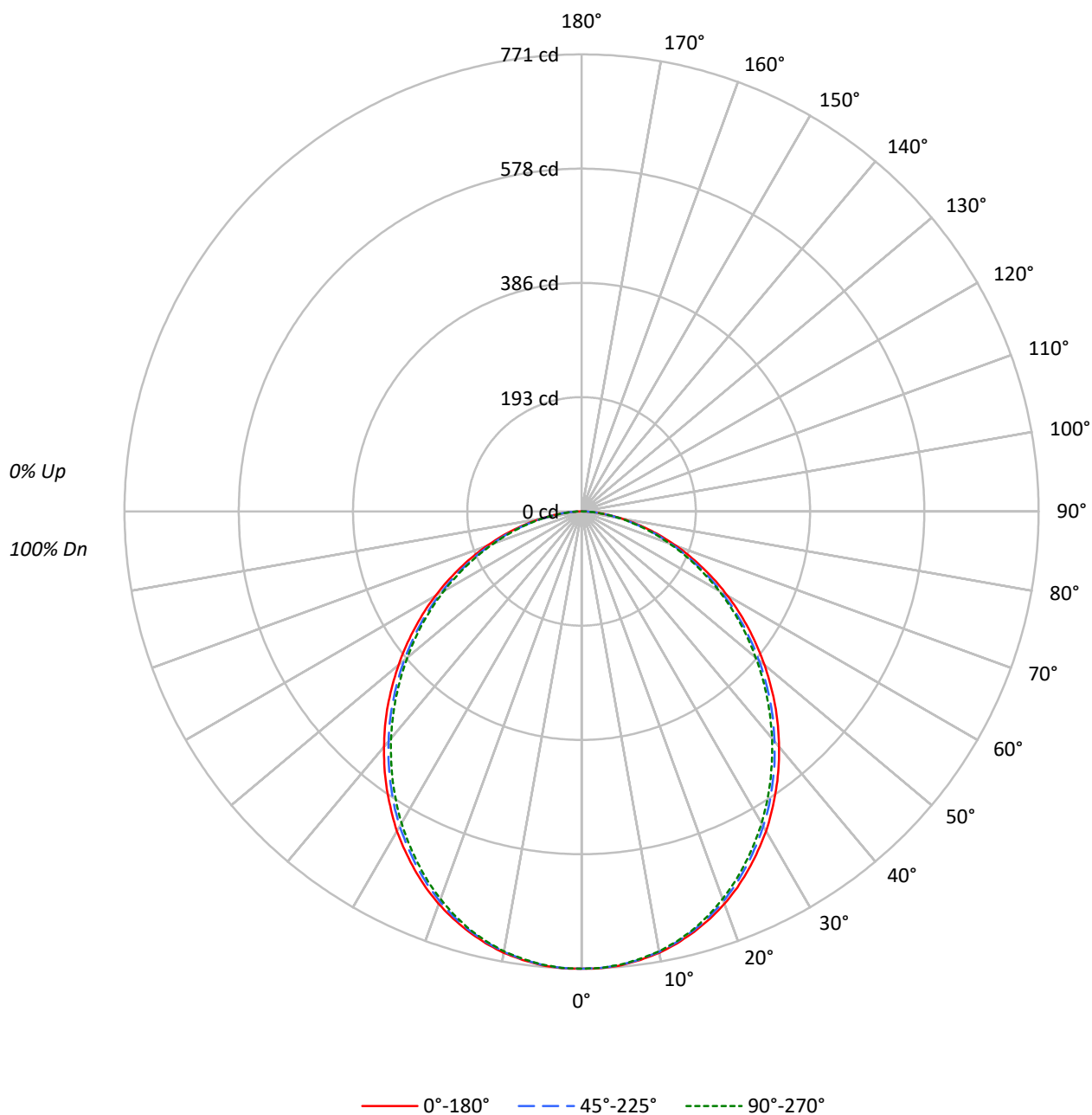
Lumens per Lamp: N/A
Luminaire Lumens: 1945.1 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	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	43	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32		32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	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°	1038	1038	1038
5°	1038	1037	1036
10°	1033	1030	1029
15°	1023	1019	1017
20°	1009	1002	996
25°	990	979	971
30°	968	953	944
35°	940	922	912
40°	910	889	878
45°	879	854	842
50°	843	817	803
55°	806	778	763
60°	765	734	720
65°	720	686	672
70°	670	634	618
75°	608	573	564
80°	526	498	501
85°	434	429	400

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.7
10°-20°	206.2	10.6
20°-30°	303.9	15.6
30°-40°	351.8	18.1
40°-50°	347.3	17.9
50°-60°	297.5	15.3
60°-70°	215.1	11.1
70°-80°	118.6	6.1
80°-90°	31.9	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°	582.9	30.0
0°-40°	934.7	48.1
0°-60°	1579.5	81.2
0°-90°	1945.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1945.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	768	768	768	767	767	73
15°	734	733	732	730	730	207
25°	667	665	659	656	654	307
35°	572	569	561	557	555	358
45°	462	456	449	444	442	356
55°	344	337	332	327	325	307
65°	226	221	216	212	211	224
75°	117	113	110	110	108	124
85°	28	28	28	26	26	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.4	771.4	771.4	771.4	771.4
2.5°	771.4	771.4	770.7	770.7	770.7
5°	768.5	768.1	767.8	767.0	767.0
7.5°	763.0	763.0	761.9	761.9	761.2
10°	756.1	755.3	754.2	754.2	753.5
12.5°	746.2	745.5	744.0	743.7	742.6
15°	734.2	733.4	731.6	730.5	729.8
17.5°	720.3	719.2	717.0	715.2	713.7
20°	704.6	703.1	699.8	697.6	695.8
22.5°	686.7	685.2	680.5	677.9	676.1
25°	666.6	664.8	659.3	656.0	654.2
27.5°	645.0	642.8	636.6	633.0	631.2
30°	622.8	619.5	613.3	608.9	607.4
32.5°	597.9	594.6	588.4	583.3	581.8
35°	572.4	568.7	561.4	556.6	555.2
37.5°	546.1	541.3	534.7	530.0	527.8
40°	518.3	513.5	506.2	501.1	500.0
42.5°	490.5	484.7	478.5	473.4	471.2
45°	462.0	455.8	448.9	444.5	442.3
47.5°	432.1	426.3	420.0	414.9	413.1
50°	402.9	396.7	390.5	385.7	383.5
52.5°	372.9	366.7	360.9	356.9	354.7
55°	343.7	337.1	331.7	326.9	325.4
57.5°	314.1	308.3	302.1	297.7	296.6
60°	284.2	279.1	272.8	268.8	267.7
62.5°	255.3	250.2	244.4	240.3	238.5
65°	226.1	221.0	215.5	212.2	211.1
67.5°	197.6	192.9	188.1	184.8	184.1
70°	170.2	165.5	161.1	158.2	157.1
72.5°	142.8	139.5	135.1	133.3	132.2
75°	116.9	113.2	110.3	109.9	108.5
77.5°	91.7	91.3	86.6	85.8	85.8
80°	67.9	66.8	64.3	63.6	64.6
82.5°	46.8	46.0	44.6	44.2	43.8
85°	28.1	28.1	27.8	25.9	25.9
87.5°	12.8	12.4	12.1	12.4	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)