

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: P995583

Luminaire Tested: 24D3X-LP-WD-30-L930.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995583
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-L930.ies
Description: 2x4 D3X-LP AT 3000LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

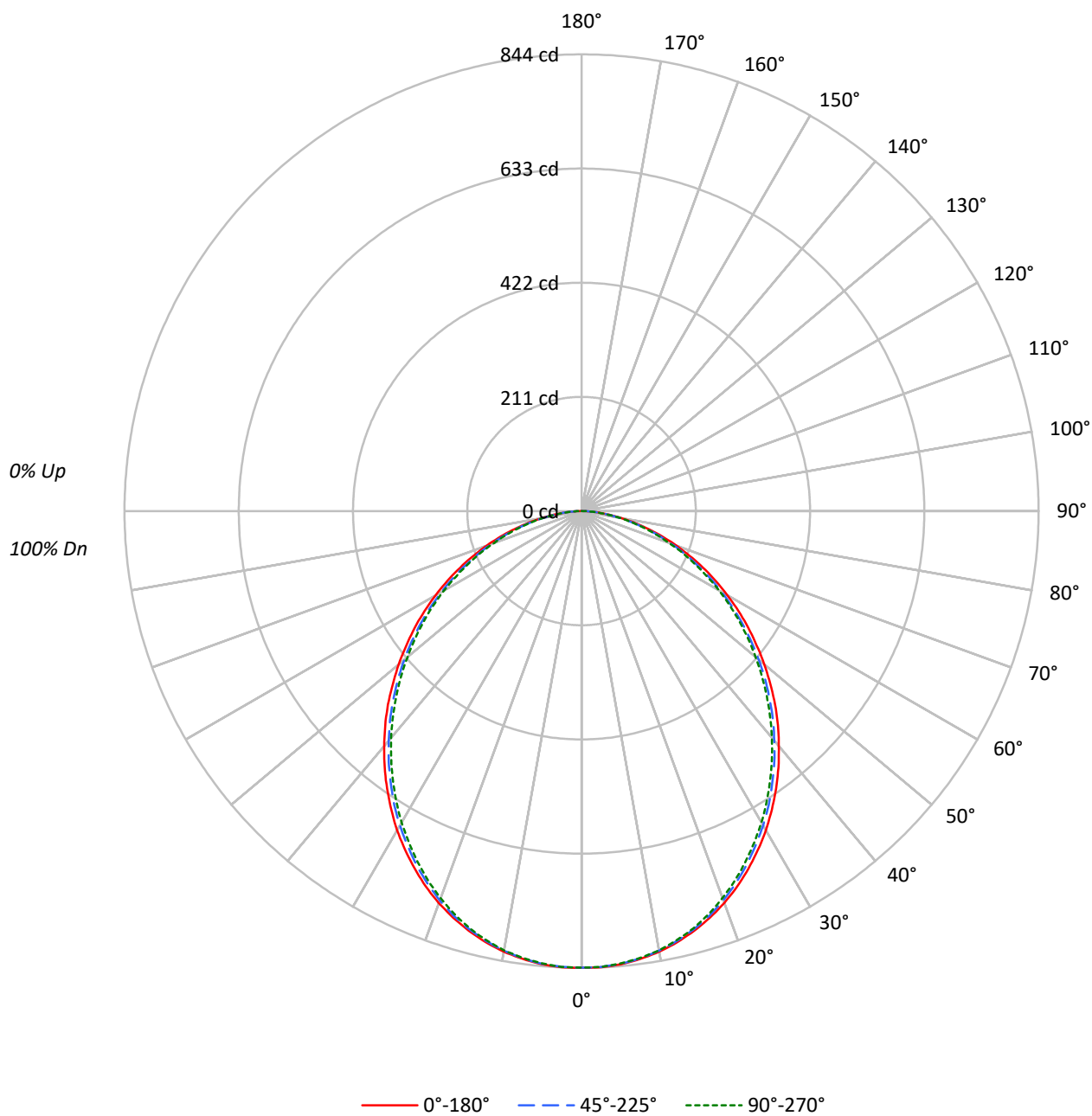
Lumens per Lamp: N/A
Luminaire Lumens: 2127.6 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	33	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1135	1135	1135
5°	1135	1134	1133
10°	1130	1127	1126
15°	1119	1115	1112
20°	1104	1096	1090
25°	1082	1071	1062
30°	1058	1042	1032
35°	1028	1009	998
40°	996	973	961
45°	962	934	921
50°	922	894	878
55°	882	851	835
60°	836	803	788
65°	787	750	735
70°	733	693	676
75°	664	627	617
80°	576	545	548
85°	475	469	438

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	3.7
10°-20°	225.6	10.6
20°-30°	332.4	15.6
30°-40°	384.8	18.1
40°-50°	379.9	17.9
50°-60°	325.4	15.3
60°-70°	235.3	11.1
70°-80°	129.7	6.1
80°-90°	34.9	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°	637.6	30.0
0°-40°	1022.4	48.1
0°-60°	1727.7	81.2
0°-90°	2127.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2127.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	841	840	840	839	839	80
15°	803	802	800	799	798	226
25°	729	727	721	718	716	336
35°	626	622	614	609	607	391
45°	505	499	491	486	484	389
55°	376	369	363	358	356	336
65°	247	242	236	232	231	245
75°	128	124	121	120	119	136
85°	31	31	30	28	28	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	843.8	843.8	843.8	843.8	843.8
2.5°	843.8	843.8	843.0	843.0	843.0
5°	840.6	840.2	839.8	839.0	839.0
7.5°	834.6	834.6	833.4	833.4	832.6
10°	827.0	826.2	825.0	825.0	824.2
12.5°	816.2	815.4	813.8	813.4	812.2
15°	803.1	802.3	800.3	799.1	798.3
17.5°	787.9	786.7	784.3	782.3	780.7
20°	770.7	769.1	765.5	763.1	761.1
22.5°	751.1	749.5	744.3	741.5	739.5
25°	729.1	727.1	721.2	717.6	715.6
27.5°	705.6	703.2	696.4	692.4	690.4
30°	681.2	677.6	670.8	666.0	664.4
32.5°	654.0	650.4	643.6	638.0	636.5
35°	626.1	622.1	614.1	608.9	607.3
37.5°	597.3	592.1	584.9	579.7	577.3
40°	566.9	561.7	553.7	548.2	547.0
42.5°	536.6	530.2	523.4	517.8	515.4
45°	505.4	498.6	491.0	486.2	483.8
47.5°	472.6	466.3	459.5	453.9	451.9
50°	440.7	433.9	427.1	421.9	419.5
52.5°	407.9	401.1	394.7	390.3	387.9
55°	376.0	368.8	362.8	357.6	356.0
57.5°	343.6	337.2	330.4	325.6	324.4
60°	310.8	305.2	298.4	294.1	292.9
62.5°	279.3	273.7	267.3	262.9	260.9
65°	247.3	241.7	235.7	232.1	230.9
67.5°	216.1	211.0	205.8	202.2	201.4
70°	186.2	181.0	176.2	173.0	171.8
72.5°	156.2	152.6	147.8	145.8	144.6
75°	127.8	123.9	120.7	120.3	118.7
77.5°	100.3	99.9	94.7	93.9	93.9
80°	74.3	73.1	70.3	69.5	70.7
82.5°	51.1	50.3	48.7	48.3	47.9
85°	30.8	30.8	30.4	28.4	28.4
87.5°	14.0	13.6	13.2	13.6	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)