

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: P995515

Luminaire Tested: 22D3X-LP-WD-40-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995515
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-40-L830.ies
Description: 2x2 D3X-LP AT 4000LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

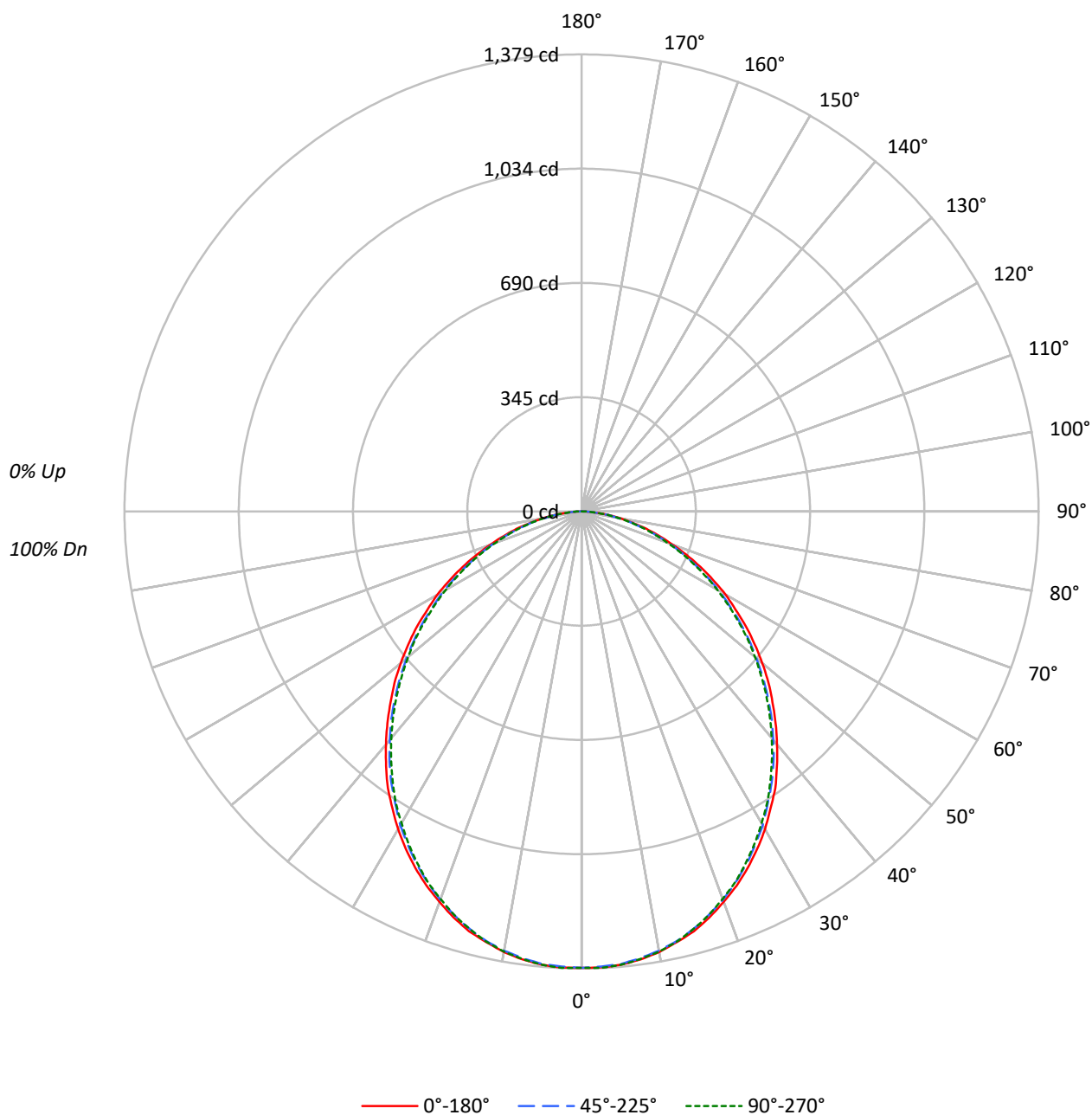
Lumens per Lamp: N/A
Luminaire Lumens: 3441.6 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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°	3706	3706	3706
5°	3709	3702	3709
10°	3688	3677	3684
15°	3653	3634	3634
20°	3590	3571	3563
25°	3523	3491	3478
30°	3440	3397	3376
35°	3348	3285	3263
40°	3224	3161	3137
45°	3101	3028	3002
50°	2980	2883	2860
55°	2845	2742	2703
60°	2702	2584	2547
65°	2516	2394	2367
70°	2299	2212	2159
75°	2096	1968	1983
80°	1807	1700	1722
85°	1399	1355	1272

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	3.8
10°-20°	367.9	10.7
20°-30°	541.8	15.7
30°-40°	626.7	18.2
40°-50°	616.1	17.9
50°-60°	525.1	15.3
60°-70°	376.2	10.9
70°-80°	204.3	5.9
80°-90°	53.3	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°	1039.7	30.2
0°-40°	1666.5	48.4
0°-60°	2807.7	81.6
0°-90°	3441.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3441.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1377	1377	1377	1377	1377	
5°	1373	1370	1370	1370	1373	130
15°	1311	1306	1304	1303	1304	369
25°	1187	1181	1176	1173	1172	546
35°	1019	1011	1000	994	993	636
45°	815	809	796	789	789	629
55°	606	595	584	578	576	541
65°	395	387	376	372	372	391
75°	202	195	189	187	191	213
85°	45	45	44	42	41	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.2	1377.2	1377.2	1377.2	1377.2
2.5°	1377.2	1375.9	1374.5	1375.9	1378.6
5°	1373.1	1370.4	1370.4	1370.4	1373.1
7.5°	1363.5	1360.8	1359.4	1360.8	1362.2
10°	1349.8	1347.1	1345.7	1347.1	1348.4
12.5°	1330.6	1329.2	1327.9	1327.9	1329.2
15°	1311.4	1305.9	1304.5	1303.2	1304.5
17.5°	1284.0	1282.6	1277.1	1277.1	1277.1
20°	1253.8	1251.0	1246.9	1244.2	1244.2
22.5°	1222.2	1219.5	1212.6	1209.9	1211.3
25°	1186.6	1181.1	1175.6	1172.9	1171.5
27.5°	1148.2	1142.7	1134.4	1130.3	1130.3
30°	1107.0	1102.9	1093.3	1087.8	1086.4
32.5°	1061.7	1059.0	1045.3	1042.5	1042.5
35°	1019.2	1011.0	1000.0	994.5	993.2
37.5°	968.5	963.0	952.0	945.1	943.8
40°	917.7	910.8	899.9	894.4	893.0
42.5°	866.9	860.1	849.1	842.3	840.9
45°	814.8	809.3	795.6	788.8	788.8
47.5°	765.4	754.5	742.1	736.6	735.3
50°	711.9	702.3	688.6	683.1	683.1
52.5°	658.4	651.6	636.5	633.8	631.0
55°	606.3	595.3	584.4	577.5	576.1
57.5°	550.1	540.5	529.5	524.0	524.0
60°	502.1	489.7	480.1	473.3	473.3
62.5°	447.2	436.2	426.6	422.5	421.1
65°	395.1	386.8	375.9	371.7	371.7
67.5°	342.9	336.1	326.5	322.4	323.7
70°	292.2	288.1	281.2	275.7	274.4
72.5°	245.5	240.1	233.2	231.8	231.8
75°	201.6	194.8	189.3	186.6	190.7
77.5°	156.4	152.3	149.5	148.1	149.5
80°	116.6	111.1	109.7	111.1	111.1
82.5°	80.9	78.2	76.8	76.8	76.8
85°	45.3	45.3	43.9	42.5	41.2
87.5°	17.8	17.8	19.2	19.2	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)