

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: P995519

Luminaire Tested: 22D3X-LP-WD-40-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995519
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-L927.ies
Description: 2x2 D3X-LP AT 4000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

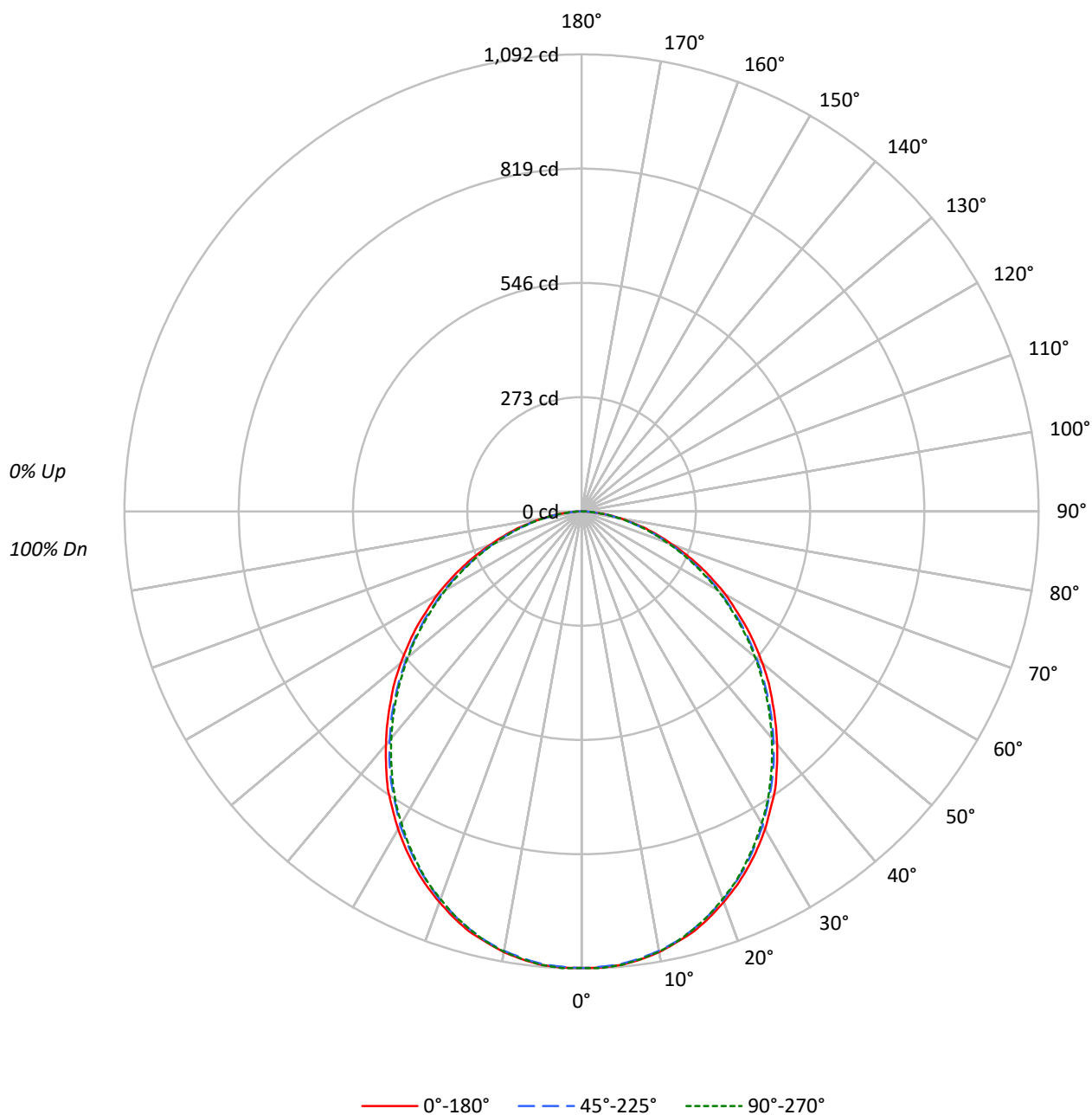
Lumens per Lamp: N/A
Luminaire Lumens: 2726.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2936	2936	2936
5°	2938	2932	2938
10°	2922	2913	2919
15°	2894	2879	2879
20°	2844	2828	2822
25°	2791	2765	2755
30°	2724	2691	2674
35°	2652	2602	2584
40°	2553	2504	2485
45°	2456	2398	2378
50°	2361	2283	2265
55°	2253	2172	2141
60°	2140	2047	2018
65°	1992	1896	1875
70°	1821	1752	1710
75°	1660	1559	1570
80°	1432	1347	1364
85°	1108	1074	1007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2456 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	3.8
10°-20°	291.4	10.7
20°-30°	429.1	15.7
30°-40°	496.4	18.2
40°-50°	488.0	17.9
50°-60°	415.9	15.3
60°-70°	298.0	10.9
70°-80°	161.8	5.9
80°-90°	42.2	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°	823.6	30.2
0°-40°	1320.0	48.4
0°-60°	2223.9	81.6
0°-90°	2726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1088	1086	1086	1086	1088	103
15°	1039	1034	1033	1032	1033	292
25°	940	936	931	929	928	433
35°	807	801	792	788	787	503
45°	645	641	630	625	625	499
55°	480	472	463	457	456	429
65°	313	306	298	294	294	310
75°	160	154	150	148	151	169
85°	36	36	35	34	33	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1090.9	1089.8	1088.7	1089.8	1092.0
5°	1087.6	1085.5	1085.5	1085.5	1087.6
7.5°	1080.0	1077.8	1076.8	1077.8	1078.9
10°	1069.2	1067.0	1065.9	1067.0	1068.1
12.5°	1053.9	1052.9	1051.8	1051.8	1052.9
15°	1038.7	1034.4	1033.3	1032.2	1033.3
17.5°	1017.0	1015.9	1011.6	1011.6	1011.6
20°	993.1	990.9	987.7	985.5	985.5
22.5°	968.1	965.9	960.5	958.3	959.4
25°	939.9	935.5	931.2	929.0	927.9
27.5°	909.4	905.1	898.6	895.3	895.3
30°	876.8	873.6	866.0	861.6	860.5
32.5°	841.0	838.8	827.9	825.8	825.8
35°	807.3	800.8	792.1	787.7	786.7
37.5°	767.1	762.8	754.1	748.6	747.5
40°	726.9	721.5	712.8	708.4	707.3
42.5°	686.7	681.3	672.6	667.1	666.0
45°	645.4	641.1	630.2	624.8	624.8
47.5°	606.3	597.6	587.8	583.5	582.4
50°	563.9	556.3	545.4	541.1	541.1
52.5°	521.5	516.1	504.2	502.0	499.8
55°	480.3	471.6	462.9	457.4	456.3
57.5°	435.7	428.1	419.4	415.1	415.1
60°	397.7	387.9	380.3	374.9	374.9
62.5°	354.2	345.5	337.9	334.7	333.6
65°	312.9	306.4	297.7	294.5	294.5
67.5°	271.6	266.2	258.6	255.3	256.4
70°	231.4	228.2	222.7	218.4	217.3
72.5°	194.5	190.1	184.7	183.6	183.6
75°	159.7	154.3	149.9	147.8	151.0
77.5°	123.9	120.6	118.4	117.3	118.4
80°	92.4	88.0	86.9	88.0	88.0
82.5°	64.1	61.9	60.8	60.8	60.8
85°	35.9	35.9	34.8	33.7	32.6
87.5°	14.1	14.1	15.2	15.2	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)