

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: P995570

Luminaire Tested: 22D3X-LP-WD-80-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995570
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-80-L835.ies
Description: 2x2 D3X-LP AT 8000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

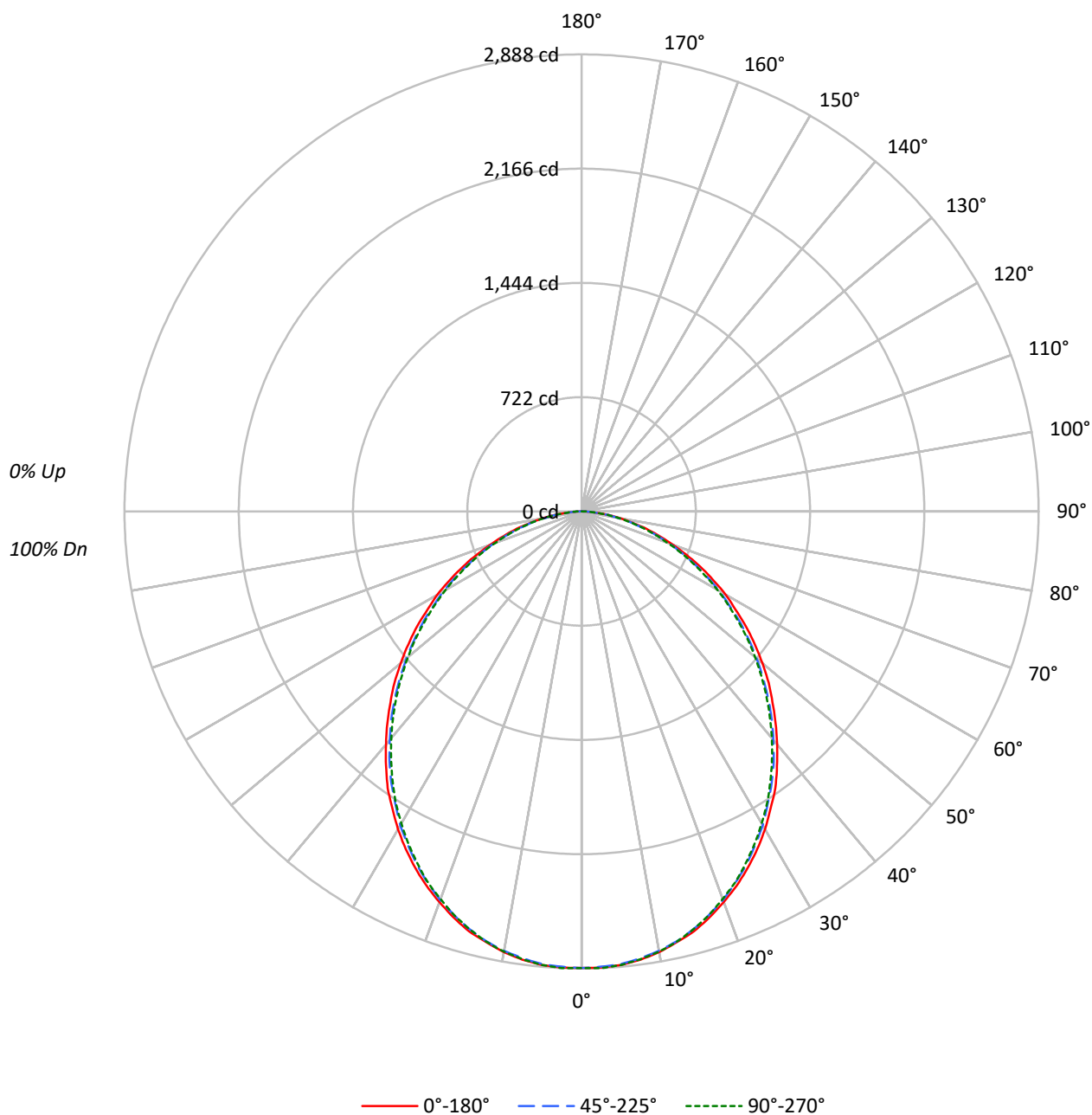
Lumens per Lamp: N/A
Luminaire Lumens: 7209.9 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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°	7764	7764	7764
5°	7770	7755	7770
10°	7727	7703	7719
15°	7654	7614	7614
20°	7522	7481	7464
25°	7381	7312	7287
30°	7206	7117	7072
35°	7014	6882	6835
40°	6753	6622	6572
45°	6496	6343	6288
50°	6244	6039	5991
55°	5959	5743	5663
60°	5661	5413	5336
65°	5270	5014	4959
70°	4816	4635	4522
75°	4392	4124	4153
80°	3786	3563	3608
85°	2927	2841	2661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.5	3.8
10°-20°	770.6	10.7
20°-30°	1135.0	15.7
30°-40°	1313.0	18.2
40°-50°	1290.8	17.9
50°-60°	1100.0	15.3
60°-70°	788.2	10.9
70°-80°	428.1	5.9
80°-90°	111.7	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°	2178.2	30.2
0°-40°	3491.1	48.4
0°-60°	5881.9	81.6
0°-90°	7209.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7209.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2885	2885	2885	2885	2885	
5°	2877	2871	2871	2871	2877	273
15°	2747	2736	2733	2730	2733	773
25°	2486	2474	2463	2457	2454	1144
35°	2135	2118	2095	2084	2081	1332
45°	1707	1696	1667	1652	1652	1319
55°	1270	1247	1224	1210	1207	1134
65°	828	810	787	779	779	820
75°	422	408	397	391	399	446
85°	95	95	92	89	86	115
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2885.2	2885.2	2885.2	2885.2	2885.2
2.5°	2885.2	2882.3	2879.5	2882.3	2888.1
5°	2876.6	2870.9	2870.9	2870.9	2876.6
7.5°	2856.5	2850.7	2847.9	2850.7	2853.6
10°	2827.7	2822.0	2819.1	2822.0	2824.9
12.5°	2787.5	2784.6	2781.8	2781.8	2784.6
15°	2747.3	2735.8	2732.9	2730.0	2732.9
17.5°	2689.8	2686.9	2675.4	2675.4	2675.4
20°	2626.6	2620.8	2612.2	2606.5	2606.5
22.5°	2560.5	2554.7	2540.4	2534.6	2537.5
25°	2485.8	2474.3	2462.8	2457.0	2454.2
27.5°	2405.3	2393.8	2376.6	2368.0	2368.0
30°	2319.1	2310.5	2290.4	2278.9	2276.0
32.5°	2224.3	2218.5	2189.8	2184.0	2184.0
35°	2135.2	2117.9	2094.9	2083.5	2080.6
37.5°	2028.9	2017.4	1994.4	1980.0	1977.1
40°	1922.5	1908.2	1885.2	1873.7	1870.8
42.5°	1816.2	1801.8	1778.8	1764.5	1761.6
45°	1707.0	1695.5	1666.8	1652.4	1652.4
47.5°	1603.5	1580.6	1554.7	1543.2	1540.3
50°	1491.5	1471.3	1442.6	1431.1	1431.1
52.5°	1379.4	1365.0	1333.4	1327.7	1321.9
55°	1270.2	1247.2	1224.2	1209.8	1207.0
57.5°	1152.4	1132.2	1109.3	1097.8	1097.8
60°	1051.8	1025.9	1005.8	991.4	991.4
62.5°	936.8	913.8	893.7	885.1	882.2
65°	827.6	810.4	787.4	778.8	778.8
67.5°	718.4	704.1	683.9	675.3	678.2
70°	612.1	603.5	589.1	577.6	574.7
72.5°	514.4	502.9	488.5	485.7	485.7
75°	422.4	408.1	396.6	390.8	399.4
77.5°	327.6	319.0	313.2	310.4	313.2
80°	244.3	232.8	229.9	232.8	232.8
82.5°	169.5	163.8	160.9	160.9	160.9
85°	94.8	94.8	92.0	89.1	86.2
87.5°	37.4	37.4	40.2	40.2	43.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)