

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: P995521

Luminaire Tested: 22D3X-LP-WD-40-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995521
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-L935.ies
Description: 2x2 D3X-LP AT 4000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

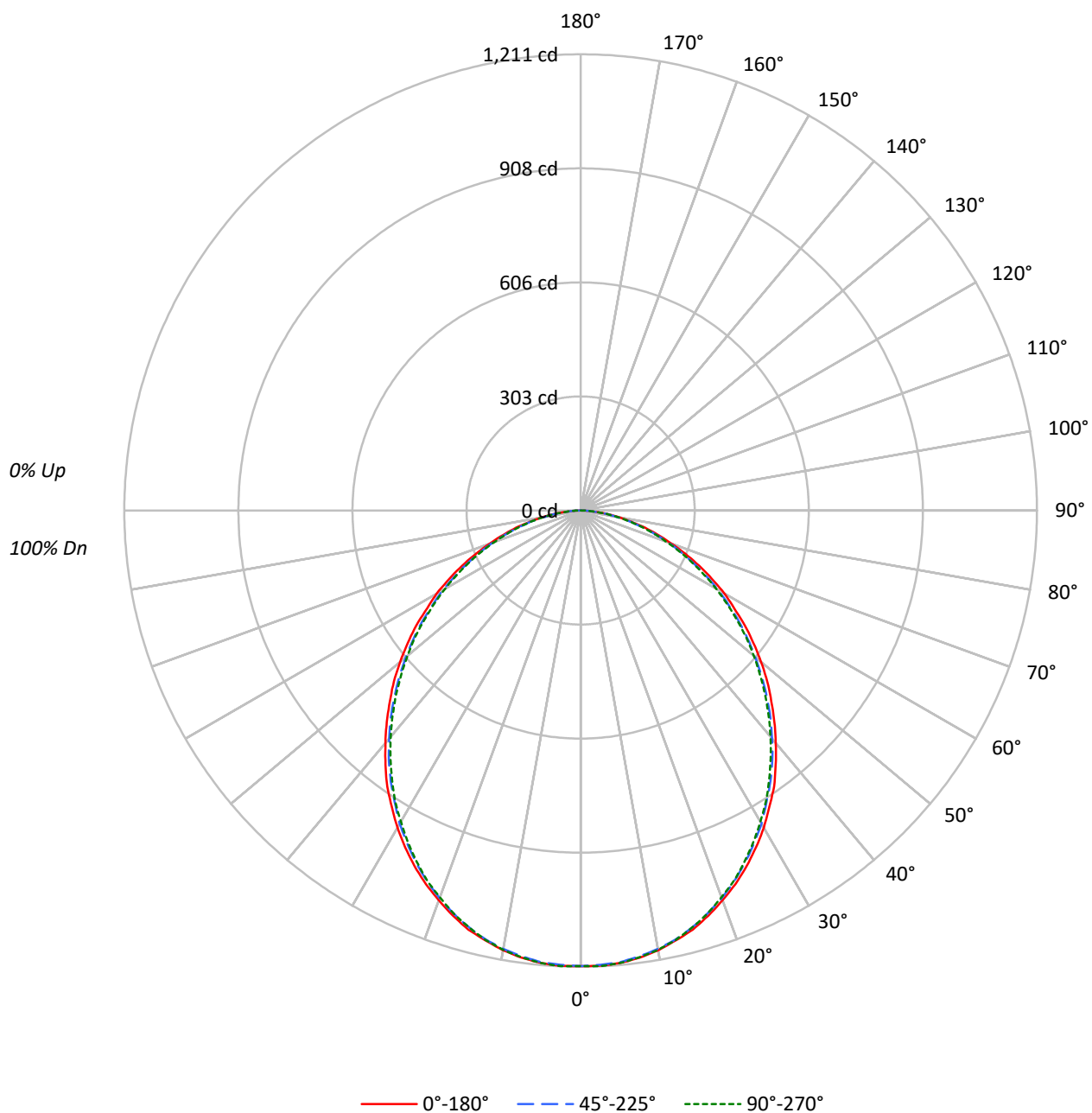
Lumens per Lamp: N/A
Luminaire Lumens: 3022.2 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3254	3254	3254
5°	3257	3251	3257
10°	3239	3229	3236
15°	3208	3192	3192
20°	3153	3136	3129
25°	3094	3065	3054
30°	3021	2983	2964
35°	2940	2885	2865
40°	2831	2776	2755
45°	2723	2659	2636
50°	2617	2532	2511
55°	2498	2408	2373
60°	2373	2269	2237
65°	2209	2102	2078
70°	2019	1943	1895
75°	1841	1728	1740
80°	1587	1494	1512
85°	1229	1189	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	3.8
10°-20°	323.0	10.7
20°-30°	475.8	15.7
30°-40°	550.4	18.2
40°-50°	541.1	17.9
50°-60°	461.1	15.3
60°-70°	330.4	10.9
70°-80°	179.4	5.9
80°-90°	46.8	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°	913.0	30.2
0°-40°	1463.4	48.4
0°-60°	2465.6	81.6
0°-90°	3022.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3022.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1206	1203	1203	1203	1206	114
15°	1152	1147	1146	1144	1146	324
25°	1042	1037	1032	1030	1029	480
35°	895	888	878	873	872	558
45°	716	711	699	693	693	553
55°	532	523	513	507	506	475
65°	347	340	330	326	326	344
75°	177	171	166	164	167	187
85°	40	40	38	37	36	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.4	1209.4	1209.4	1209.4	1209.4
2.5°	1209.4	1208.2	1207.0	1208.2	1210.6
5°	1205.8	1203.4	1203.4	1203.4	1205.8
7.5°	1197.4	1195.0	1193.7	1195.0	1196.2
10°	1185.3	1182.9	1181.7	1182.9	1184.1
12.5°	1168.5	1167.2	1166.0	1166.0	1167.2
15°	1151.6	1146.8	1145.6	1144.4	1145.6
17.5°	1127.5	1126.3	1121.5	1121.5	1121.5
20°	1101.0	1098.6	1095.0	1092.6	1092.6
22.5°	1073.3	1070.9	1064.9	1062.4	1063.7
25°	1042.0	1037.2	1032.3	1029.9	1028.7
27.5°	1008.2	1003.4	996.2	992.6	992.6
30°	972.1	968.5	960.1	955.2	954.0
32.5°	932.4	929.9	917.9	915.5	915.5
35°	895.0	887.8	878.1	873.3	872.1
37.5°	850.4	845.6	836.0	830.0	828.8
40°	805.9	799.8	790.2	785.4	784.2
42.5°	761.3	755.3	745.6	739.6	738.4
45°	715.5	710.7	698.7	692.6	692.6
47.5°	672.2	662.5	651.7	646.9	645.7
50°	625.2	616.8	604.7	599.9	599.9
52.5°	578.2	572.2	558.9	556.5	554.1
55°	532.4	522.8	513.2	507.1	505.9
57.5°	483.0	474.6	465.0	460.2	460.2
60°	440.9	430.0	421.6	415.6	415.6
62.5°	392.7	383.1	374.6	371.0	369.8
65°	346.9	339.7	330.1	326.4	326.4
67.5°	301.1	295.1	286.7	283.1	284.3
70°	256.6	253.0	246.9	242.1	240.9
72.5°	215.6	210.8	204.8	203.6	203.6
75°	177.1	171.1	166.2	163.8	167.4
77.5°	137.3	133.7	131.3	130.1	131.3
80°	102.4	97.6	96.4	97.6	97.6
82.5°	71.1	68.7	67.5	67.5	67.5
85°	39.8	39.8	38.5	37.3	36.1
87.5°	15.7	15.7	16.9	16.9	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)