

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: P995498

Luminaire Tested: 22D3X-LP-WD-30-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995498
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-30-L835.ies
Description: 2x2 D3X-LP AT 3000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

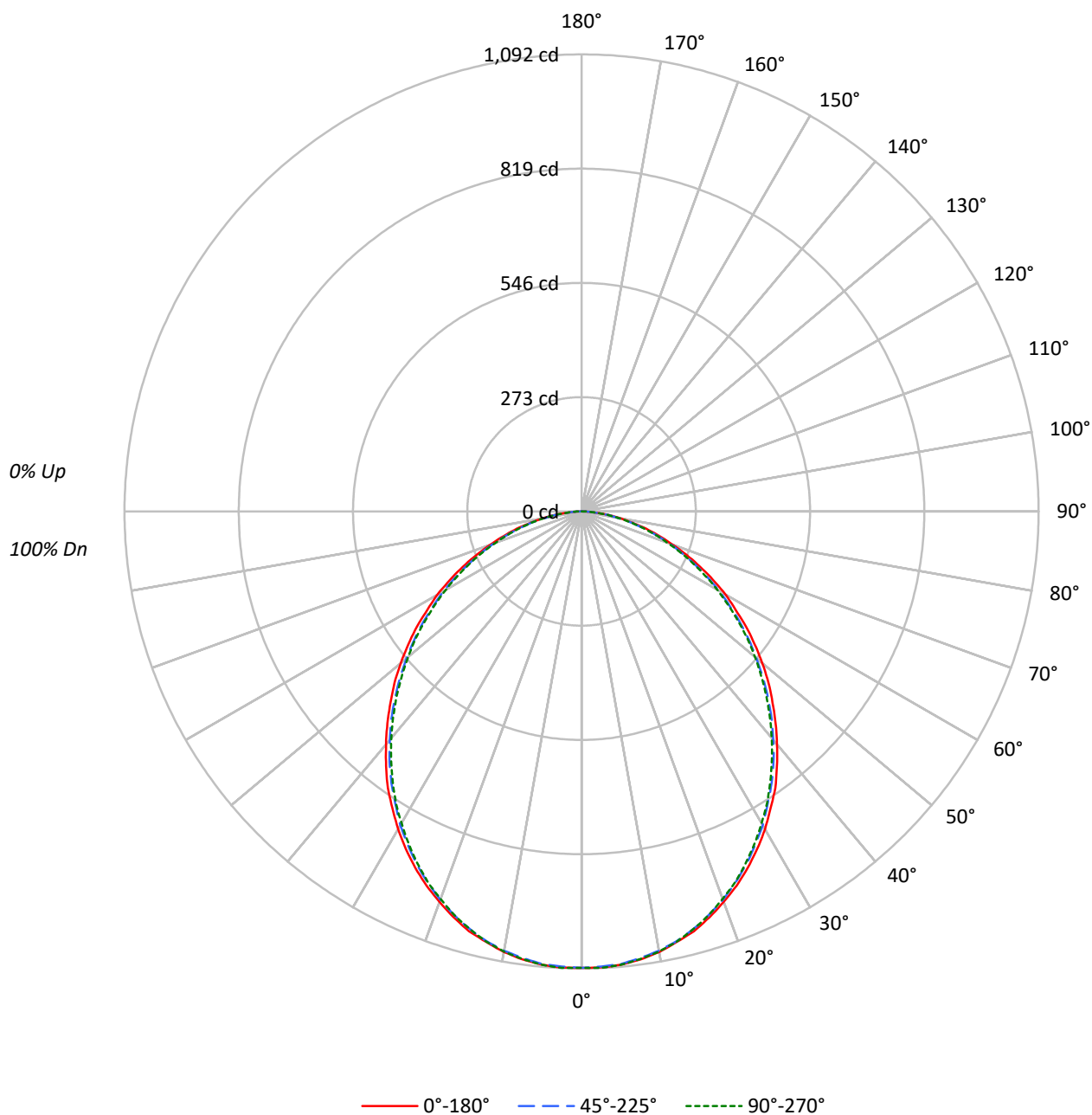
Lumens per Lamp: N/A
Luminaire Lumens: 2725.2 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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°	2935	2935	2935
5°	2937	2931	2937
10°	2920	2912	2917
15°	2893	2878	2878
20°	2843	2828	2821
25°	2790	2764	2754
30°	2724	2690	2673
35°	2651	2601	2583
40°	2553	2503	2484
45°	2455	2398	2377
50°	2360	2283	2264
55°	2252	2171	2140
60°	2140	2046	2017
65°	1992	1895	1875
70°	1821	1752	1709
75°	1660	1559	1570
80°	1430	1347	1364
85°	1105	1074	1007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	3.8
10°-20°	291.3	10.7
20°-30°	429.0	15.7
30°-40°	496.3	18.2
40°-50°	487.9	17.9
50°-60°	415.8	15.3
60°-70°	297.9	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°	823.3	30.2
0°-40°	1319.6	48.4
0°-60°	2223.2	81.6
0°-90°	2725.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2725.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1087	1085	1085	1085	1087	103
15°	1038	1034	1033	1032	1033	292
25°	940	935	931	929	928	433
35°	807	800	792	788	786	503
45°	645	641	630	625	625	498
55°	480	471	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°	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1090.6	1089.5	1088.4	1089.5	1091.6
5°	1087.3	1085.1	1085.1	1085.1	1087.3
7.5°	1079.7	1077.5	1076.4	1077.5	1078.6
10°	1068.8	1066.7	1065.6	1066.7	1067.7
12.5°	1053.6	1052.5	1051.5	1051.5	1052.5
15°	1038.4	1034.1	1033.0	1031.9	1033.0
17.5°	1016.7	1015.6	1011.3	1011.3	1011.3
20°	992.8	990.6	987.4	985.2	985.2
22.5°	967.8	965.6	960.2	958.0	959.1
25°	939.6	935.2	930.9	928.7	927.6
27.5°	909.2	904.8	898.3	895.0	895.0
30°	876.6	873.3	865.7	861.4	860.3
32.5°	840.7	838.6	827.7	825.5	825.5
35°	807.1	800.5	791.8	787.5	786.4
37.5°	766.9	762.5	753.8	748.4	747.3
40°	726.7	721.2	712.6	708.2	707.1
42.5°	686.5	681.1	672.4	666.9	665.8
45°	645.2	640.9	630.0	624.6	624.6
47.5°	606.1	597.4	587.6	583.3	582.2
50°	563.7	556.1	545.3	540.9	540.9
52.5°	521.4	516.0	504.0	501.8	499.7
55°	480.1	471.4	462.7	457.3	456.2
57.5°	435.6	428.0	419.3	414.9	414.9
60°	397.6	387.8	380.2	374.7	374.7
62.5°	354.1	345.4	337.8	334.6	333.5
65°	312.8	306.3	297.6	294.4	294.4
67.5°	271.6	266.1	258.5	255.3	256.3
70°	231.4	228.1	222.7	218.3	217.2
72.5°	194.4	190.1	184.7	183.6	183.6
75°	159.7	154.2	149.9	147.7	151.0
77.5°	123.8	120.6	118.4	117.3	118.4
80°	92.3	88.0	86.9	88.0	88.0
82.5°	64.1	61.9	60.8	60.8	60.8
85°	35.8	35.8	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)