

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: P995516

Luminaire Tested: 22D3X-LP-WD-40-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995516
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-L835.ies
Description: 2x2 D3X-LP AT 4000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

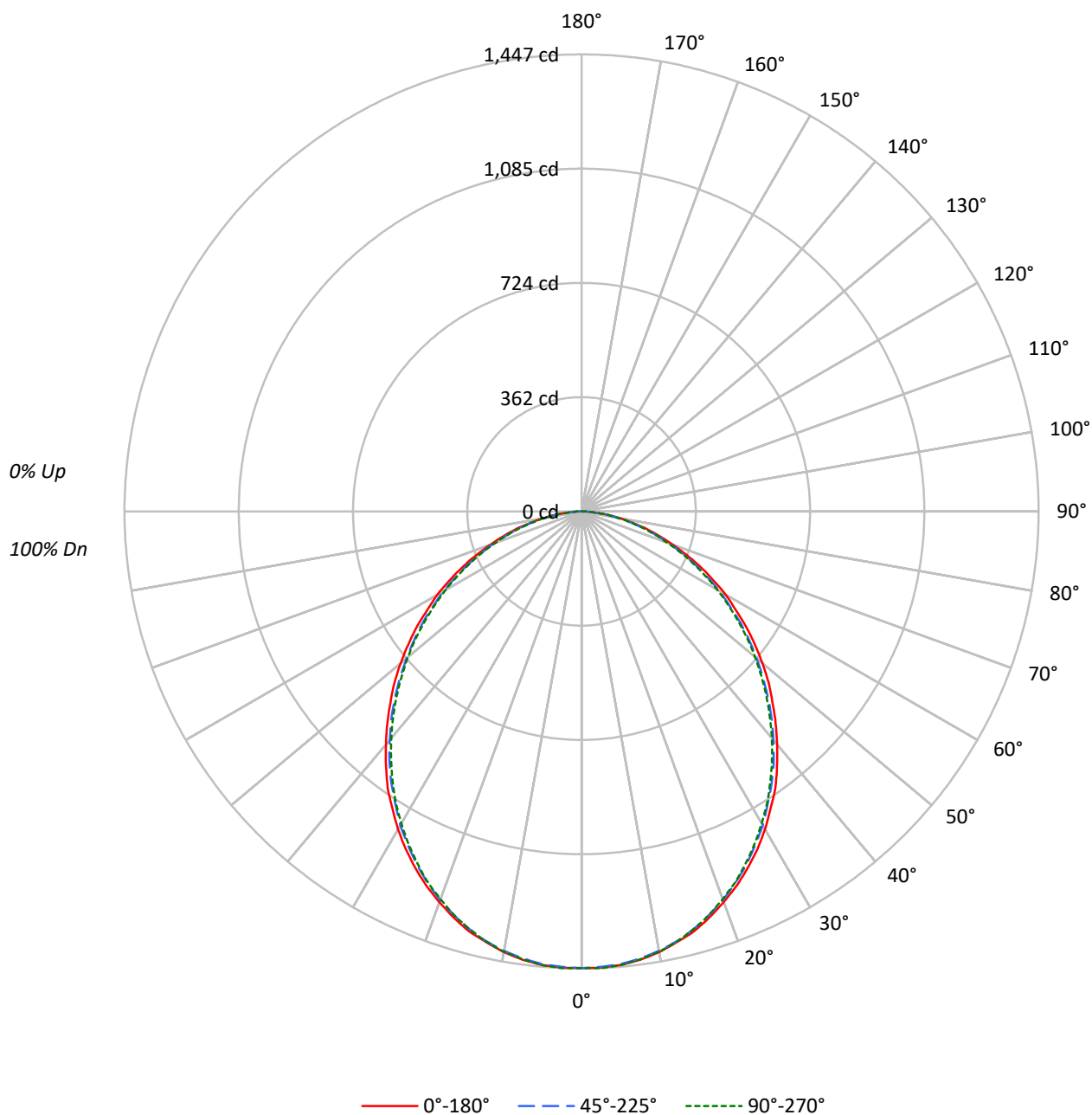
Lumens per Lamp: N/A
Luminaire Lumens: 3612.6 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3890	3890	3890
5°	3894	3886	3894
10°	3872	3860	3868
15°	3835	3815	3815
20°	3769	3748	3740
25°	3698	3664	3651
30°	3611	3566	3544
35°	3515	3448	3425
40°	3384	3318	3293
45°	3255	3178	3151
50°	3129	3026	3002
55°	2986	2878	2837
60°	2836	2713	2674
65°	2641	2512	2485
70°	2413	2323	2266
75°	2201	2066	2080
80°	1897	1785	1807
85°	1467	1423	1334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	3.8
10°-20°	386.1	10.7
20°-30°	568.7	15.7
30°-40°	657.9	18.2
40°-50°	646.8	17.9
50°-60°	551.2	15.3
60°-70°	394.9	10.9
70°-80°	214.5	5.9
80°-90°	56.0	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°	1091.4	30.2
0°-40°	1749.3	48.4
0°-60°	2947.2	81.6
0°-90°	3612.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3612.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1441	1438	1438	1438	1441	137
15°	1377	1371	1369	1368	1369	387
25°	1246	1240	1234	1231	1230	573
35°	1070	1061	1050	1044	1042	667
45°	855	850	835	828	828	661
55°	636	625	613	606	605	568
65°	415	406	394	390	390	411
75°	212	204	199	196	200	224
85°	48	48	46	45	43	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.7	1445.7	1445.7	1445.7	1445.7
2.5°	1445.7	1444.2	1442.8	1444.2	1447.1
5°	1441.4	1438.5	1438.5	1438.5	1441.4
7.5°	1431.3	1428.4	1427.0	1428.4	1429.8
10°	1416.9	1414.0	1412.6	1414.0	1415.4
12.5°	1396.7	1395.3	1393.8	1393.8	1395.3
15°	1376.6	1370.8	1369.4	1367.9	1369.4
17.5°	1347.8	1346.3	1340.6	1340.6	1340.6
20°	1316.1	1313.2	1308.9	1306.0	1306.0
22.5°	1283.0	1280.1	1272.9	1270.0	1271.4
25°	1245.5	1239.8	1234.0	1231.1	1229.7
27.5°	1205.2	1199.4	1190.8	1186.5	1186.5
30°	1162.0	1157.7	1147.6	1141.9	1140.4
32.5°	1114.5	1111.6	1097.2	1094.3	1094.3
35°	1069.9	1061.2	1049.7	1043.9	1042.5
37.5°	1016.6	1010.8	999.3	992.1	990.7
40°	963.3	956.1	944.6	938.8	937.4
42.5°	910.0	902.8	891.3	884.1	882.7
45°	855.3	849.5	835.1	827.9	827.9
47.5°	803.5	792.0	779.0	773.2	771.8
50°	747.3	737.2	722.8	717.1	717.1
52.5°	691.2	684.0	668.1	665.2	662.4
55°	636.4	624.9	613.4	606.2	604.8
57.5°	577.4	567.3	555.8	550.0	550.0
60°	527.0	514.0	504.0	496.8	496.8
62.5°	469.4	457.9	447.8	443.5	442.1
65°	414.7	406.1	394.5	390.2	390.2
67.5°	360.0	352.8	342.7	338.4	339.8
70°	306.7	302.4	295.2	289.4	288.0
72.5°	257.7	252.0	244.8	243.3	243.3
75°	211.7	204.5	198.7	195.8	200.1
77.5°	164.2	159.8	157.0	155.5	157.0
80°	122.4	116.6	115.2	116.6	116.6
82.5°	85.0	82.1	80.6	80.6	80.6
85°	47.5	47.5	46.1	44.6	43.2
87.5°	18.7	18.7	20.2	20.2	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)