

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: P995529

Luminaire Tested: 22D3X-LP-WD-45-L930.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995529
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-45-L930.ies
Description: 2x2 D3X-LP AT 4500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

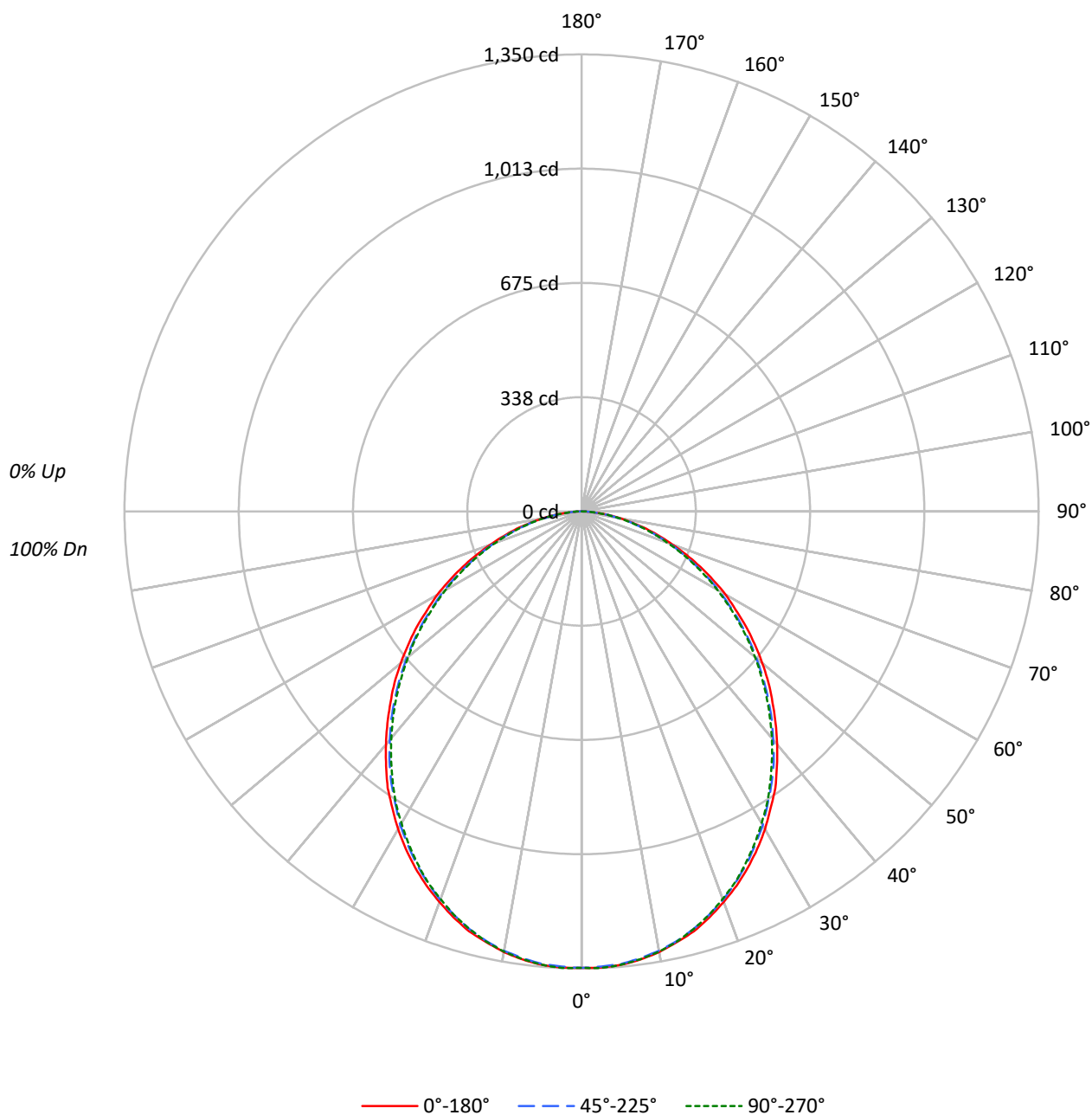
Lumens per Lamp: N/A
Luminaire Lumens: 3369.6 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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°	3629	3629	3629
5°	3632	3624	3632
10°	3611	3600	3607
15°	3577	3558	3558
20°	3515	3496	3489
25°	3449	3418	3406
30°	3368	3326	3305
35°	3278	3216	3194
40°	3156	3095	3071
45°	3036	2965	2939
50°	2918	2822	2800
55°	2785	2684	2647
60°	2646	2530	2494
65°	2463	2343	2318
70°	2251	2166	2113
75°	2052	1927	1941
80°	1770	1664	1686
85°	1368	1328	1244

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	3.8
10°-20°	360.2	10.7
20°-30°	530.4	15.7
30°-40°	613.6	18.2
40°-50°	603.3	17.9
50°-60°	514.1	15.3
60°-70°	368.4	10.9
70°-80°	200.1	5.9
80°-90°	52.2	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°	1018.0	30.2
0°-40°	1631.6	48.4
0°-60°	2749.0	81.6
0°-90°	3369.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3369.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1344	1342	1342	1342	1344	128
15°	1284	1279	1277	1276	1277	361
25°	1162	1156	1151	1148	1147	535
35°	998	990	979	974	972	622
45°	798	792	779	772	772	616
55°	594	583	572	565	564	530
65°	387	379	368	364	364	383
75°	197	191	185	183	187	209
85°	44	44	43	42	40	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.4	1348.4	1348.4	1348.4	1348.4
2.5°	1348.4	1347.1	1345.7	1347.1	1349.8
5°	1344.4	1341.7	1341.7	1341.7	1344.4
7.5°	1335.0	1332.3	1331.0	1332.3	1333.7
10°	1321.6	1318.9	1317.5	1318.9	1320.2
12.5°	1302.8	1301.4	1300.1	1300.1	1301.4
15°	1284.0	1278.6	1277.2	1275.9	1277.2
17.5°	1257.1	1255.8	1250.4	1250.4	1250.4
20°	1227.6	1224.9	1220.8	1218.2	1218.2
22.5°	1196.7	1194.0	1187.3	1184.6	1185.9
25°	1161.7	1156.4	1151.0	1148.3	1147.0
27.5°	1124.1	1118.8	1110.7	1106.7	1106.7
30°	1083.8	1079.8	1070.4	1065.0	1063.7
32.5°	1039.5	1036.8	1023.4	1020.7	1020.7
35°	997.9	989.8	979.1	973.7	972.4
37.5°	948.2	942.8	932.1	925.4	924.0
40°	898.5	891.8	881.0	875.7	874.3
42.5°	848.8	842.1	831.4	824.6	823.3
45°	797.8	792.4	779.0	772.3	772.3
47.5°	749.4	738.7	726.6	721.2	719.9
50°	697.0	687.6	674.2	668.8	668.8
52.5°	644.7	638.0	623.2	620.5	617.8
55°	593.6	582.9	572.1	565.4	564.1
57.5°	538.6	529.2	518.4	513.0	513.0
60°	491.6	479.5	470.1	463.4	463.4
62.5°	437.8	427.1	417.7	413.7	412.3
65°	386.8	378.7	368.0	364.0	364.0
67.5°	335.8	329.0	319.6	315.6	317.0
70°	286.1	282.0	275.3	270.0	268.6
72.5°	240.4	235.0	228.3	227.0	227.0
75°	197.4	190.7	185.3	182.7	186.7
77.5°	153.1	149.1	146.4	145.1	146.4
80°	114.2	108.8	107.4	108.8	108.8
82.5°	79.2	76.6	75.2	75.2	75.2
85°	44.3	44.3	43.0	41.6	40.3
87.5°	17.5	17.5	18.8	18.8	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)