

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: P995531

Luminaire Tested: 22D3X-LP-WD-45-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995531
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-L940.ies
Description: 2x2 D3X-LP AT 4500LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

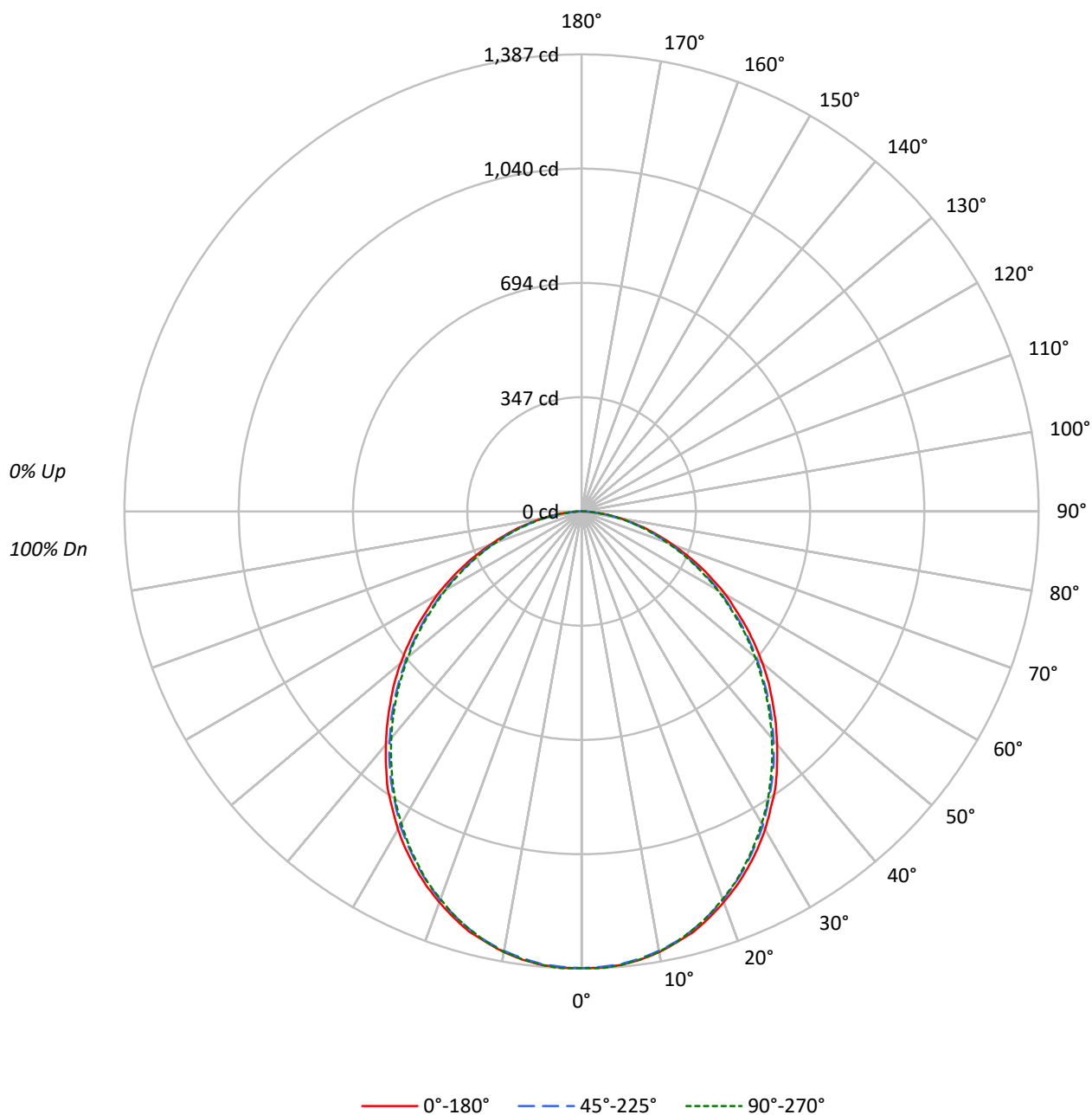
Lumens per Lamp: N/A
Luminaire Lumens: 3463.2 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		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°	3729	3729	3729
5°	3732	3725	3732
10°	3712	3700	3708
15°	3676	3657	3657
20°	3613	3593	3585
25°	3545	3513	3500
30°	3462	3419	3397
35°	3369	3306	3283
40°	3244	3181	3157
45°	3120	3047	3021
50°	2999	2901	2878
55°	2862	2759	2720
60°	2719	2600	2563
65°	2531	2408	2382
70°	2313	2227	2172
75°	2110	1981	1995
80°	1818	1711	1733
85°	1408	1365	1278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	3.8
10°-20°	370.2	10.7
20°-30°	545.2	15.7
30°-40°	630.7	18.2
40°-50°	620.0	17.9
50°-60°	528.4	15.3
60°-70°	378.6	10.9
70°-80°	205.6	5.9
80°-90°	53.6	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°	1046.2	30.2
0°-40°	1676.9	48.4
0°-60°	2825.3	81.6
0°-90°	3463.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3463.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1386	1386	1386	1386	1386	
5°	1382	1379	1379	1379	1382	131
15°	1320	1314	1313	1311	1313	371
25°	1194	1188	1183	1180	1179	550
35°	1026	1017	1006	1001	999	640
45°	820	814	801	794	794	633
55°	610	599	588	581	580	545
65°	398	389	378	374	374	394
75°	203	196	190	188	192	214
85°	46	46	44	43	41	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1385.9	1385.9	1385.9	1385.9	1385.9
2.5°	1385.9	1384.5	1383.1	1384.5	1387.3
5°	1381.7	1379.0	1379.0	1379.0	1381.7
7.5°	1372.1	1369.3	1367.9	1369.3	1370.7
10°	1358.3	1355.5	1354.1	1355.5	1356.9
12.5°	1339.0	1337.6	1336.2	1336.2	1337.6
15°	1319.6	1314.1	1312.7	1311.3	1312.7
17.5°	1292.0	1290.6	1285.1	1285.1	1285.1
20°	1261.7	1258.9	1254.8	1252.0	1252.0
22.5°	1229.9	1227.1	1220.2	1217.5	1218.9
25°	1194.0	1188.5	1183.0	1180.2	1178.8
27.5°	1155.4	1149.8	1141.6	1137.4	1137.4
30°	1114.0	1109.8	1100.2	1094.6	1093.2
32.5°	1068.4	1065.6	1051.8	1049.1	1049.1
35°	1025.6	1017.3	1006.3	1000.8	999.4
37.5°	974.5	969.0	958.0	951.1	949.7
40°	923.5	916.6	905.5	900.0	898.6
42.5°	872.4	865.5	854.4	847.5	846.2
45°	819.9	814.4	800.6	793.7	793.7
47.5°	770.2	759.2	746.8	741.3	739.9
50°	716.4	706.7	692.9	687.4	687.4
52.5°	662.6	655.7	640.5	637.7	635.0
55°	610.1	599.1	588.0	581.1	579.8
57.5°	553.5	543.9	532.8	527.3	527.3
60°	505.2	492.8	483.1	476.2	476.2
62.5°	450.0	439.0	429.3	425.2	423.8
65°	397.5	389.3	378.2	374.1	374.1
67.5°	345.1	338.2	328.5	324.4	325.8
70°	294.0	289.9	283.0	277.5	276.1
72.5°	247.1	241.6	234.7	233.3	233.3
75°	202.9	196.0	190.5	187.7	191.9
77.5°	157.4	153.2	150.5	149.1	150.5
80°	117.3	111.8	110.4	111.8	111.8
82.5°	81.4	78.7	77.3	77.3	77.3
85°	45.6	45.6	44.2	42.8	41.4
87.5°	17.9	17.9	19.3	19.3	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)