

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: P995541

Luminaire Tested: 22D3X-LP-WD-50-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995541
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-50-L950.ies
Description: 2x2 D3X-LP AT 5000LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

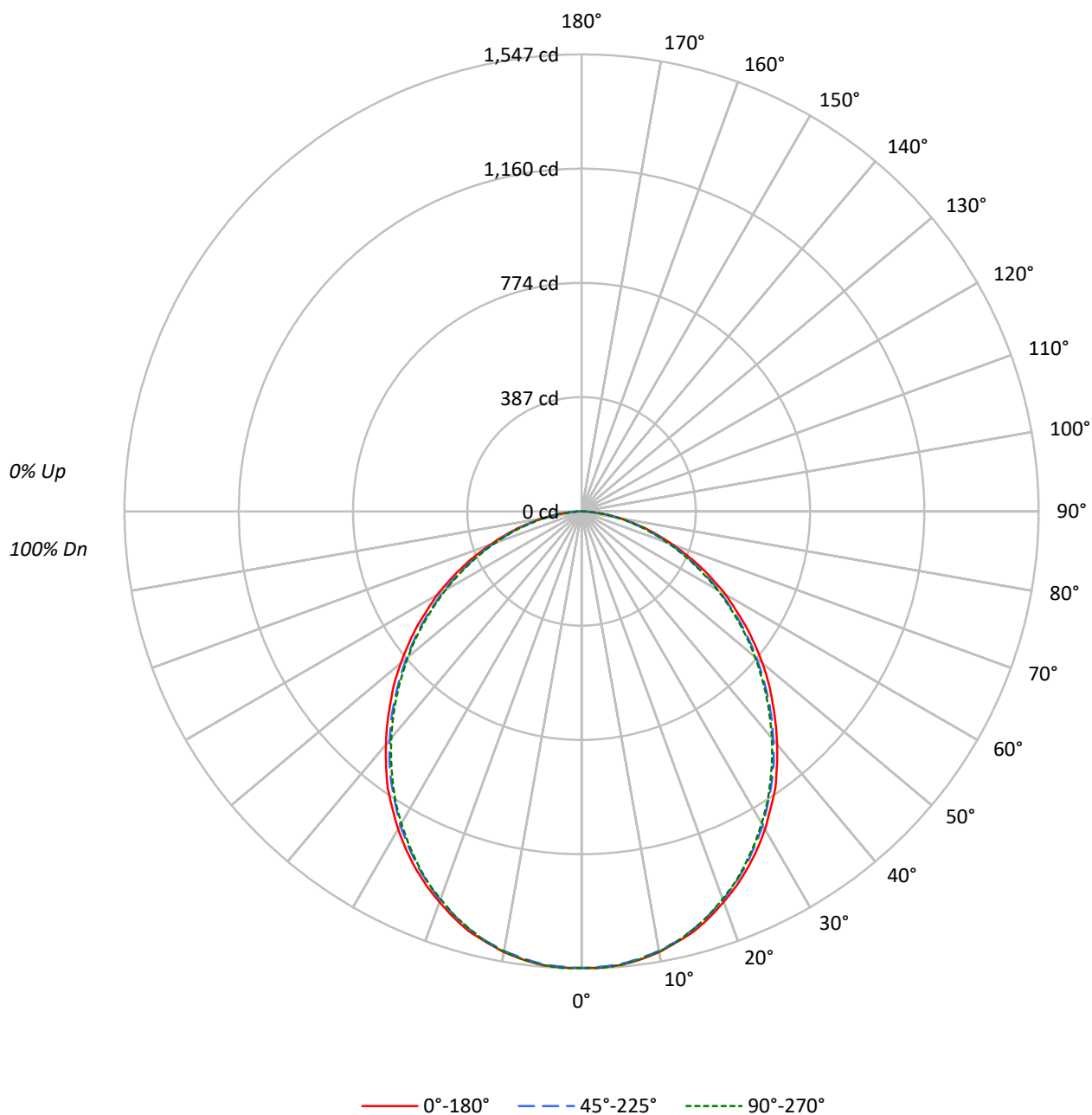
Lumens per Lamp: N/A
Luminaire Lumens: 3861.7 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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°	4159	4159	4159
5°	4162	4154	4162
10°	4139	4126	4134
15°	4099	4078	4078
20°	4029	4007	3998
25°	3953	3917	3903
30°	3860	3812	3788
35°	3757	3686	3661
40°	3617	3547	3520
45°	3479	3397	3368
50°	3344	3235	3209
55°	3192	3076	3033
60°	3032	2899	2858
65°	2823	2685	2656
70°	2580	2482	2422
75°	2353	2208	2225
80°	2027	1908	1932
85°	1568	1522	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3479 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	3.8
10°-20°	412.8	10.7
20°-30°	607.9	15.7
30°-40°	703.2	18.2
40°-50°	691.4	17.9
50°-60°	589.2	15.3
60°-70°	422.2	10.9
70°-80°	229.3	5.9
80°-90°	59.8	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°	1166.7	30.2
0°-40°	1869.9	48.4
0°-60°	3150.4	81.6
0°-90°	3861.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3861.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1541	1538	1538	1538	1541	146
15°	1472	1465	1464	1462	1464	414
25°	1331	1325	1319	1316	1314	613
35°	1144	1134	1122	1116	1114	713
45°	914	908	893	885	885	706
55°	680	668	656	648	646	607
65°	443	434	422	417	417	439
75°	226	219	212	209	214	239
85°	51	51	49	48	46	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1545.4	1545.4	1545.4	1545.4	1545.4
2.5°	1545.4	1543.8	1542.3	1543.8	1546.9
5°	1540.7	1537.7	1537.7	1537.7	1540.7
7.5°	1530.0	1526.9	1525.4	1526.9	1528.4
10°	1514.6	1511.5	1510.0	1511.5	1513.0
12.5°	1493.0	1491.5	1490.0	1490.0	1491.5
15°	1471.5	1465.3	1463.8	1462.2	1463.8
17.5°	1440.7	1439.2	1433.0	1433.0	1433.0
20°	1406.8	1403.8	1399.1	1396.1	1396.1
22.5°	1371.4	1368.4	1360.7	1357.6	1359.1
25°	1331.4	1325.3	1319.1	1316.0	1314.5
27.5°	1288.3	1282.2	1272.9	1268.3	1268.3
30°	1242.1	1237.5	1226.8	1220.6	1219.1
32.5°	1191.3	1188.3	1172.9	1169.8	1169.8
35°	1143.6	1134.4	1122.1	1115.9	1114.4
37.5°	1086.7	1080.5	1068.2	1060.5	1059.0
40°	1029.7	1022.0	1009.7	1003.6	1002.0
42.5°	972.8	965.1	952.8	945.1	943.5
45°	914.3	908.1	892.7	885.0	885.0
47.5°	858.9	846.6	832.7	826.6	825.0
50°	798.8	788.1	772.7	766.5	766.5
52.5°	738.8	731.1	714.2	711.1	708.0
55°	680.3	668.0	655.7	648.0	646.5
57.5°	617.2	606.4	594.1	588.0	588.0
60°	563.4	549.5	538.7	531.0	531.0
62.5°	501.8	489.5	478.7	474.1	472.5
65°	443.3	434.1	421.7	417.1	417.1
67.5°	384.8	377.1	366.3	361.7	363.3
70°	327.9	323.2	315.5	309.4	307.8
72.5°	275.5	269.4	261.7	260.1	260.1
75°	226.3	218.6	212.4	209.3	214.0
77.5°	175.5	170.9	167.8	166.2	167.8
80°	130.8	124.7	123.1	124.7	124.7
82.5°	90.8	87.7	86.2	86.2	86.2
85°	50.8	50.8	49.3	47.7	46.2
87.5°	20.0	20.0	21.5	21.5	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)