

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: P995479

Luminaire Tested: 22D3X-LP-WD-20-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995479
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-20-L830.ies
Description: 2x2 D3X-LP AT 2000LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

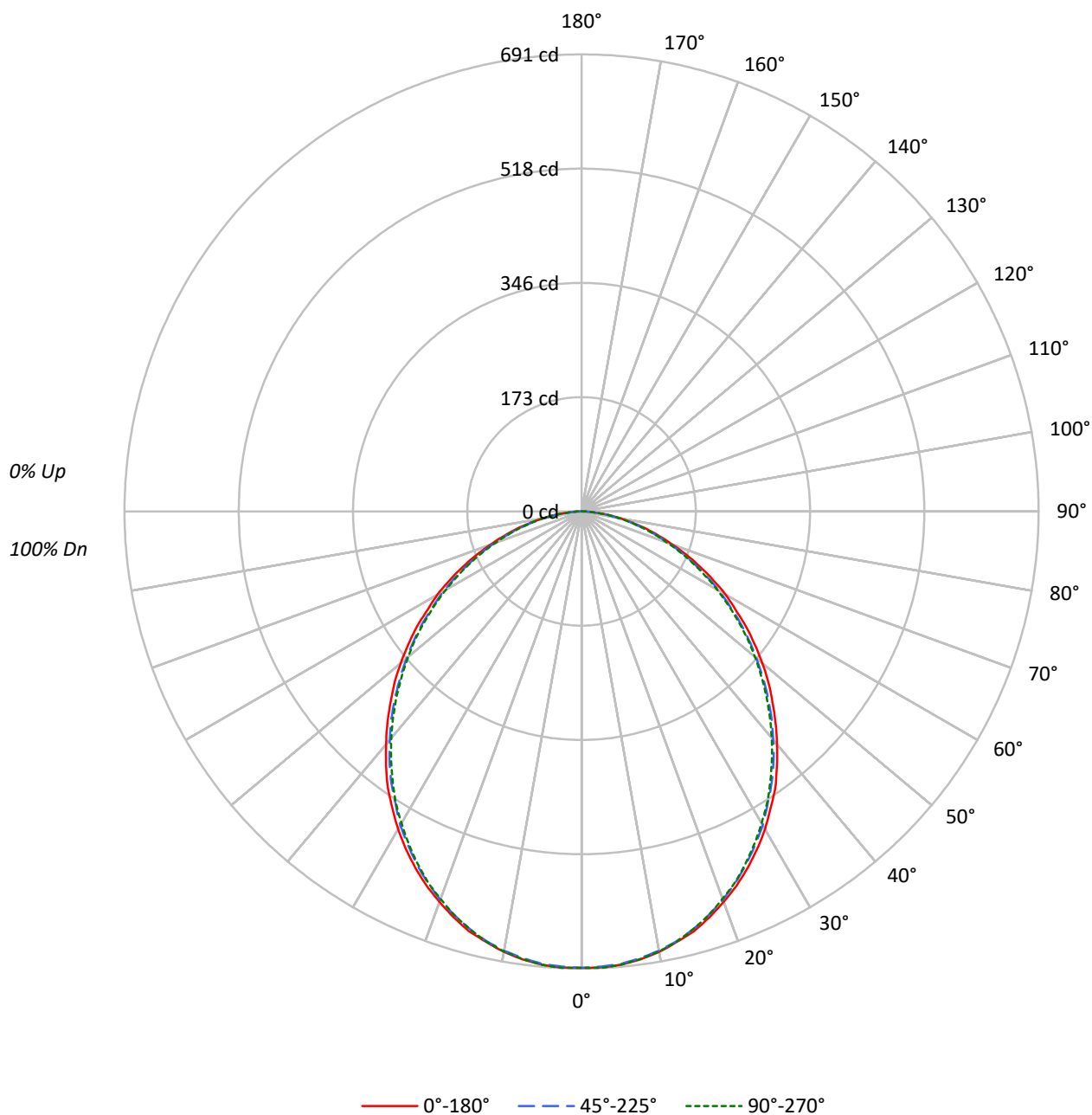
Lumens per Lamp: N/A
Luminaire Lumens: 1724.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	1857	1857	1857
5°	1858	1855	1858
10°	1848	1843	1846
15°	1831	1821	1821
20°	1799	1789	1785
25°	1765	1749	1743
30°	1724	1702	1692
35°	1678	1646	1635
40°	1615	1584	1572
45°	1554	1517	1504
50°	1493	1444	1433
55°	1425	1374	1354
60°	1354	1295	1276
65°	1260	1199	1186
70°	1152	1109	1082
75°	1050	986	993
80°	905	852	863
85°	701	679	636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	3.8
10°-20°	184.3	10.7
20°-30°	271.5	15.7
30°-40°	314.0	18.2
40°-50°	308.7	17.9
50°-60°	263.1	15.3
60°-70°	188.5	10.9
70°-80°	102.4	5.9
80°-90°	26.7	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°	520.9	30.2
0°-40°	835.0	48.4
0°-60°	1406.8	81.6
0°-90°	1724.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1724.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	688	687	687	687	688	65
15°	657	654	654	653	654	185
25°	594	592	589	588	587	274
35°	511	506	501	498	498	318
45°	408	406	399	395	395	315
55°	304	298	293	289	289	271
65°	198	194	188	186	186	196
75°	101	98	95	94	96	107
85°	23	23	22	21	21	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.1	690.1	690.1	690.1	690.1
2.5°	690.1	689.4	688.7	689.4	690.7
5°	688.0	686.6	686.6	686.6	688.0
7.5°	683.2	681.8	681.1	681.8	682.5
10°	676.3	674.9	674.3	674.9	675.6
12.5°	666.7	666.0	665.3	665.3	666.0
15°	657.1	654.3	653.6	652.9	653.6
17.5°	643.3	642.6	639.9	639.9	639.9
20°	628.2	626.8	624.8	623.4	623.4
22.5°	612.4	611.0	607.6	606.2	606.9
25°	594.5	591.8	589.0	587.7	587.0
27.5°	575.3	572.5	568.4	566.3	566.3
30°	554.7	552.6	547.8	545.0	544.4
32.5°	532.0	530.6	523.7	522.4	522.4
35°	510.7	506.5	501.1	498.3	497.6
37.5°	485.2	482.5	477.0	473.6	472.9
40°	459.8	456.4	450.9	448.1	447.4
42.5°	434.4	430.9	425.4	422.0	421.3
45°	408.3	405.5	398.6	395.2	395.2
47.5°	383.5	378.0	371.8	369.1	368.4
50°	356.7	351.9	345.0	342.3	342.3
52.5°	329.9	326.5	318.9	317.5	316.2
55°	303.8	298.3	292.8	289.4	288.7
57.5°	275.6	270.8	265.3	262.6	262.6
60°	251.6	245.4	240.6	237.1	237.1
62.5°	224.1	218.6	213.8	211.7	211.0
65°	197.9	193.8	188.3	186.3	186.3
67.5°	171.8	168.4	163.6	161.5	162.2
70°	146.4	144.3	140.9	138.1	137.5
72.5°	123.0	120.3	116.8	116.2	116.2
75°	101.0	97.6	94.8	93.5	95.5
77.5°	78.4	76.3	74.9	74.2	74.9
80°	58.4	55.7	55.0	55.7	55.7
82.5°	40.6	39.2	38.5	38.5	38.5
85°	22.7	22.7	22.0	21.3	20.6
87.5°	8.9	8.9	9.6	9.6	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)