

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: P995480

Luminaire Tested: 22D3X-LP-WD-20-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995480
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-L835.ies
Description: 2x2 D3X-LP AT 2000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

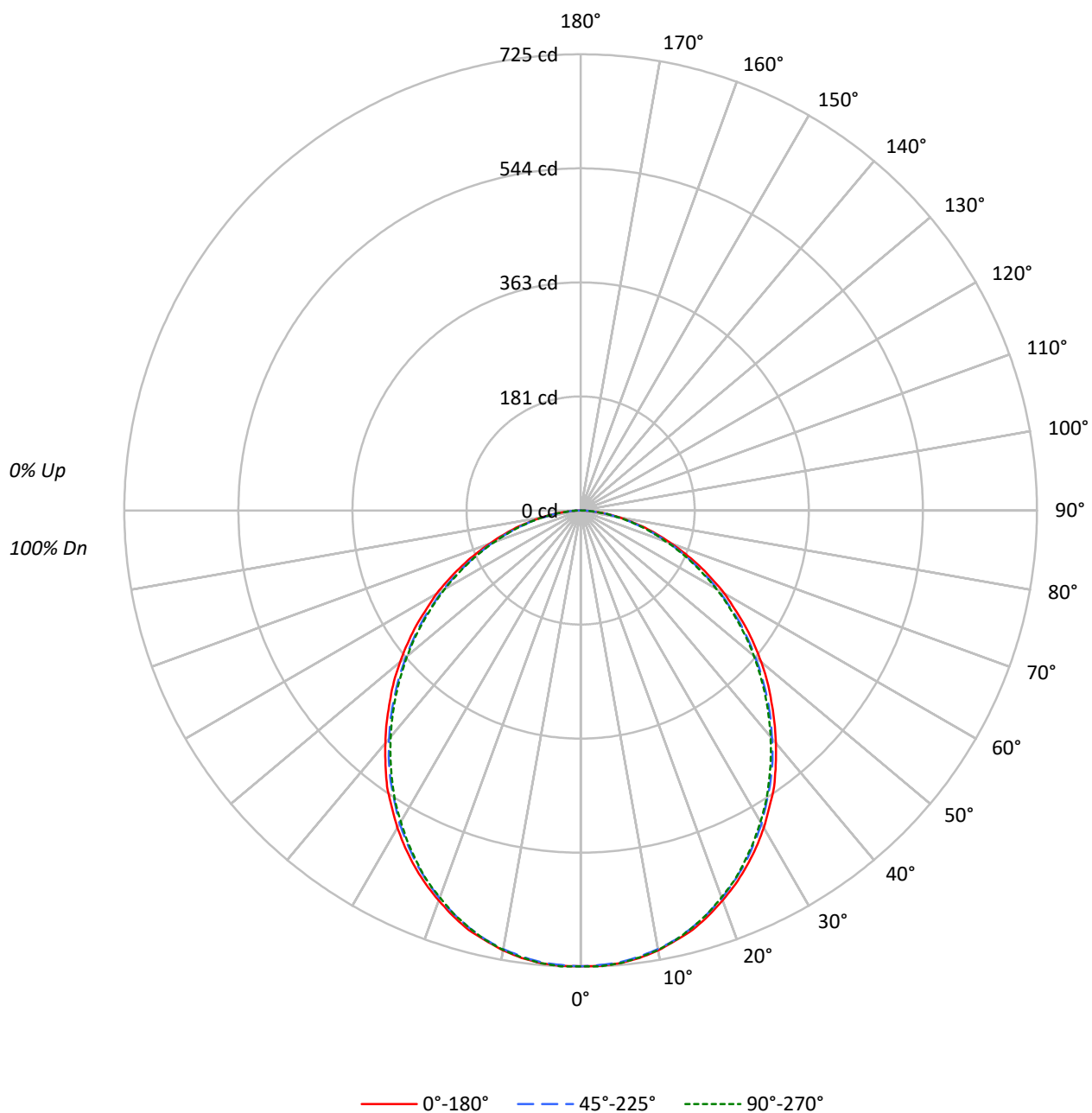
Lumens per Lamp: N/A
Luminaire Lumens: 1809.9 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P995480

CATALOG NUMBER: 22D3X-LP-WD-20-L835.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995480

CATALOG NUMBER: 22D3X-LP-WD-20-L835.ies

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°	1949	1949	1949
5°	1951	1947	1951
10°	1940	1934	1938
15°	1921	1911	1911
20°	1888	1878	1874
25°	1853	1836	1829
30°	1809	1786	1775
35°	1761	1728	1716
40°	1695	1662	1650
45°	1631	1592	1579
50°	1567	1516	1504
55°	1496	1442	1422
60°	1421	1359	1340
65°	1323	1259	1245
70°	1209	1164	1135
75°	1102	1036	1043
80°	950	894	905
85°	735	713	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1631 cd/sqm

TEST NUMBER: P995480

CATALOG NUMBER: 22D3X-LP-WD-20-L835.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.8
10°-20°	193.4	10.7
20°-30°	284.9	15.7
30°-40°	329.6	18.2
40°-50°	324.0	17.9
50°-60°	276.2	15.3
60°-70°	197.9	10.9
70°-80°	107.4	5.9
80°-90°	28.0	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°	546.8	30.2
0°-40°	876.4	48.4
0°-60°	1476.5	81.6
0°-90°	1809.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1809.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	722	721	721	721	722	69
15°	690	687	686	685	686	194
25°	624	621	618	617	616	287
35°	536	532	526	523	522	334
45°	428	426	418	415	415	331
55°	319	313	307	304	303	285
65°	208	203	198	196	196	206
75°	106	102	100	98	100	112
85°	24	24	23	22	22	29
90°	0	0	0	0	0	

TEST NUMBER: P995480

CATALOG NUMBER: 22D3X-LP-WD-20-L835.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	724.3	724.3	724.3	724.3	724.3
2.5°	724.3	723.6	722.8	723.6	725.0
5°	722.1	720.7	720.7	720.7	722.1
7.5°	717.1	715.6	714.9	715.6	716.3
10°	709.8	708.4	707.7	708.4	709.1
12.5°	699.7	699.0	698.3	698.3	699.0
15°	689.7	686.8	686.0	685.3	686.0
17.5°	675.2	674.5	671.6	671.6	671.6
20°	659.4	657.9	655.7	654.3	654.3
22.5°	642.8	641.3	637.7	636.3	637.0
25°	624.0	621.1	618.2	616.8	616.1
27.5°	603.8	600.9	596.6	594.4	594.4
30°	582.2	580.0	574.9	572.1	571.3
32.5°	558.4	556.9	549.7	548.3	548.3
35°	536.0	531.7	525.9	523.0	522.3
37.5°	509.3	506.4	500.6	497.0	496.3
40°	482.6	479.0	473.2	470.3	469.6
42.5°	455.9	452.3	446.5	442.9	442.2
45°	428.5	425.6	418.4	414.8	414.8
47.5°	402.5	396.8	390.3	387.4	386.7
50°	374.4	369.4	362.1	359.3	359.3
52.5°	346.3	342.7	334.7	333.3	331.8
55°	318.9	313.1	307.3	303.7	303.0
57.5°	289.3	284.2	278.5	275.6	275.6
60°	264.0	257.5	252.5	248.9	248.9
62.5°	235.2	229.4	224.4	222.2	221.5
65°	207.8	203.4	197.7	195.5	195.5
67.5°	180.3	176.7	171.7	169.5	170.2
70°	153.7	151.5	147.9	145.0	144.3
72.5°	129.1	126.2	122.6	121.9	121.9
75°	106.0	102.4	99.6	98.1	100.3
77.5°	82.2	80.1	78.6	77.9	78.6
80°	61.3	58.4	57.7	58.4	58.4
82.5°	42.6	41.1	40.4	40.4	40.4
85°	23.8	23.8	23.1	22.4	21.6
87.5°	9.4	9.4	10.1	10.1	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)