

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: P995510

Luminaire Tested: 22D3X-LP-WD-35-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995510
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-35-L927.ies
Description: 2x2 D3X-LP AT 3500LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

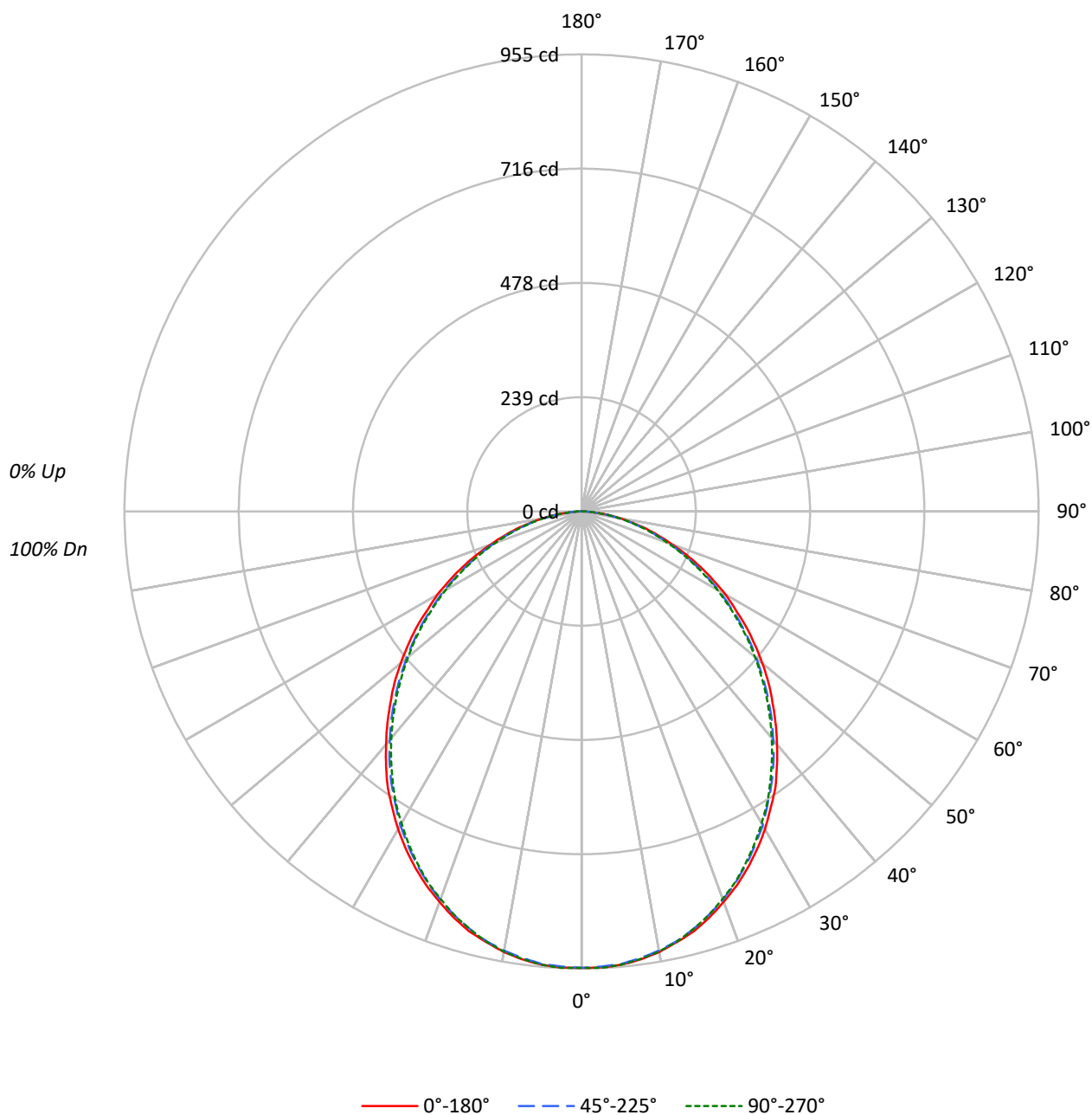
Lumens per Lamp: N/A
Luminaire Lumens: 2383.3 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	70	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°	2567	2567	2567
5°	2569	2563	2569
10°	2554	2546	2552
15°	2530	2517	2517
20°	2487	2473	2467
25°	2440	2417	2409
30°	2382	2353	2338
35°	2319	2275	2259
40°	2232	2189	2172
45°	2148	2097	2079
50°	2064	1997	1981
55°	1970	1899	1872
60°	1871	1790	1764
65°	1742	1657	1639
70°	1592	1532	1495
75°	1451	1363	1372
80°	1251	1178	1192
85°	966	939	880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2148 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.8
10°-20°	254.7	10.7
20°-30°	375.2	15.7
30°-40°	434.0	18.2
40°-50°	426.7	17.9
50°-60°	363.6	15.3
60°-70°	260.5	10.9
70°-80°	141.5	5.9
80°-90°	36.9	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°	720.0	30.2
0°-40°	1154.1	48.4
0°-60°	1944.4	81.6
0°-90°	2383.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2383.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	951	949	949	949	951	90
15°	908	904	903	902	903	256
25°	822	818	814	812	811	378
35°	706	700	692	689	688	440
45°	564	560	551	546	546	436
55°	420	412	405	400	399	375
65°	274	268	260	257	257	271
75°	140	135	131	129	132	147
85°	31	31	30	29	28	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.8	953.8	953.8	953.8	953.8
2.5°	953.8	952.8	951.9	952.8	954.7
5°	950.9	949.0	949.0	949.0	950.9
7.5°	944.3	942.4	941.4	942.4	943.3
10°	934.8	932.9	931.9	932.9	933.8
12.5°	921.5	920.5	919.6	919.6	920.5
15°	908.2	904.4	903.4	902.5	903.4
17.5°	889.2	888.2	884.4	884.4	884.4
20°	868.3	866.4	863.5	861.6	861.6
22.5°	846.4	844.5	839.8	837.9	838.8
25°	821.7	817.9	814.1	812.2	811.3
27.5°	795.1	791.3	785.6	782.8	782.8
30°	766.6	763.8	757.1	753.3	752.4
32.5°	735.3	733.4	723.9	722.0	722.0
35°	705.8	700.1	692.5	688.7	687.8
37.5°	670.7	666.9	659.3	654.5	653.6
40°	635.5	630.8	623.2	619.4	618.4
42.5°	600.4	595.6	588.0	583.3	582.3
45°	564.3	560.5	551.0	546.2	546.2
47.5°	530.1	522.5	513.9	510.1	509.2
50°	493.0	486.4	476.9	473.1	473.1
52.5°	456.0	451.2	440.8	438.9	437.0
55°	419.9	412.3	404.7	399.9	399.0
57.5°	380.9	374.3	366.7	362.9	362.9
60°	347.7	339.1	332.5	327.7	327.7
62.5°	309.7	302.1	295.4	292.6	291.6
65°	273.6	267.9	260.3	257.4	257.4
67.5°	237.5	232.7	226.1	223.2	224.2
70°	202.3	199.5	194.7	190.9	190.0
72.5°	170.0	166.2	161.5	160.5	160.5
75°	139.6	134.9	131.1	129.2	132.0
77.5°	108.3	105.4	103.5	102.6	103.5
80°	80.7	76.9	76.0	76.9	76.9
82.5°	56.0	54.1	53.2	53.2	53.2
85°	31.3	31.3	30.4	29.4	28.5
87.5°	12.3	12.3	13.3	13.3	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)