

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: P995501

Luminaire Tested: 22D3X-LP-WD-30-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995501
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-30-L927.ies
Description: 2x2 D3X-LP AT 3000LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

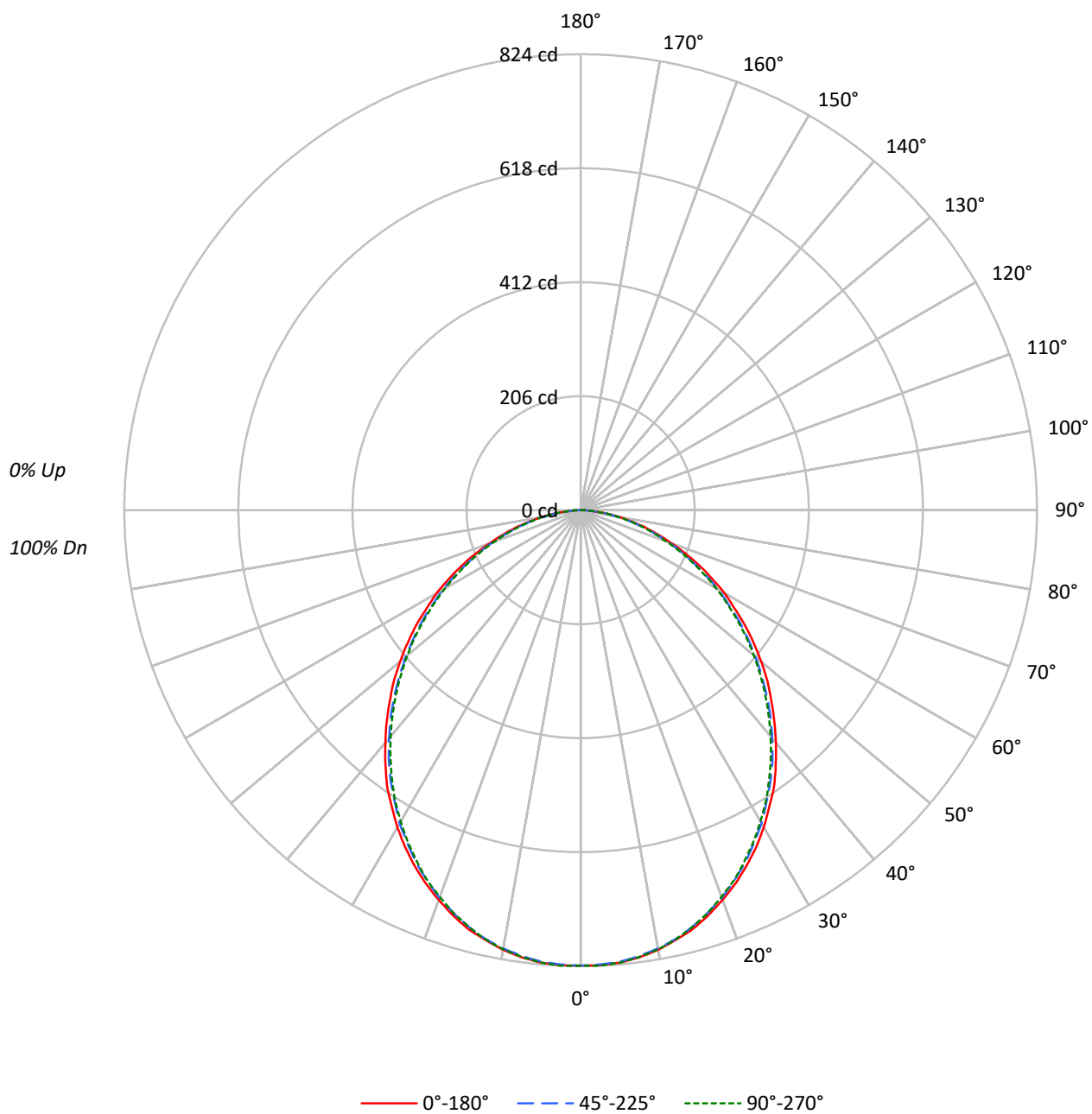
Lumens per Lamp: N/A
Luminaire Lumens: 2057.1 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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°	2215	2215	2215
5°	2217	2213	2217
10°	2205	2198	2202
15°	2184	2172	2172
20°	2146	2134	2130
25°	2106	2086	2079
30°	2056	2031	2018
35°	2001	1963	1950
40°	1927	1890	1875
45°	1853	1810	1794
50°	1781	1723	1709
55°	1700	1639	1616
60°	1615	1545	1523
65°	1503	1431	1415
70°	1374	1323	1290
75°	1253	1176	1185
80°	1080	1017	1029
85°	837	809	760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	3.8
10°-20°	219.9	10.7
20°-30°	323.8	15.7
30°-40°	374.6	18.2
40°-50°	368.3	17.9
50°-60°	313.9	15.3
60°-70°	224.9	10.9
70°-80°	122.1	5.9
80°-90°	31.9	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°	621.5	30.2
0°-40°	996.1	48.4
0°-60°	1678.2	81.6
0°-90°	2057.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	821	819	819	819	821	78
15°	784	781	780	779	780	221
25°	709	706	703	701	700	326
35°	609	604	598	594	594	380
45°	487	484	476	472	472	376
55°	362	356	349	345	344	324
65°	236	231	225	222	222	234
75°	120	116	113	112	114	127
85°	27	27	26	25	25	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.2	823.2	823.2	823.2	823.2
2.5°	823.2	822.4	821.6	822.4	824.0
5°	820.7	819.1	819.1	819.1	820.7
7.5°	815.0	813.4	812.5	813.4	814.2
10°	806.8	805.2	804.3	805.2	806.0
12.5°	795.3	794.5	793.7	793.7	794.5
15°	783.8	780.6	779.7	778.9	779.7
17.5°	767.4	766.6	763.3	763.3	763.3
20°	749.4	747.8	745.3	743.7	743.7
22.5°	730.5	728.9	724.8	723.2	724.0
25°	709.2	706.0	702.7	701.0	700.2
27.5°	686.3	683.0	678.1	675.6	675.6
30°	661.7	659.2	653.5	650.2	649.4
32.5°	634.6	633.0	624.8	623.1	623.1
35°	609.2	604.3	597.7	594.4	593.6
37.5°	578.9	575.6	569.0	564.9	564.1
40°	548.5	544.4	537.9	534.6	533.8
42.5°	518.2	514.1	507.5	503.4	502.6
45°	487.0	483.8	475.6	471.5	471.5
47.5°	457.5	451.0	443.6	440.3	439.5
50°	425.5	419.8	411.6	408.3	408.3
52.5°	393.6	389.5	380.4	378.8	377.2
55°	362.4	355.8	349.3	345.2	344.4
57.5°	328.8	323.0	316.5	313.2	313.2
60°	300.1	292.7	287.0	282.9	282.9
62.5°	267.3	260.7	255.0	252.5	251.7
65°	236.1	231.2	224.7	222.2	222.2
67.5°	205.0	200.9	195.1	192.7	193.5
70°	174.6	172.2	168.1	164.8	164.0
72.5°	146.8	143.5	139.4	138.6	138.6
75°	120.5	116.4	113.1	111.5	114.0
77.5°	93.5	91.0	89.4	88.6	89.4
80°	69.7	66.4	65.6	66.4	66.4
82.5°	48.4	46.7	45.9	45.9	45.9
85°	27.1	27.1	26.2	25.4	24.6
87.5°	10.7	10.7	11.5	11.5	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)