

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: P995584

Luminaire Tested: 24D3X-LP-WD-30-L935.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-008-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24D3X-LP-WD-30-L935.ies
Description: 2x4 D3X-LP AT 3000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

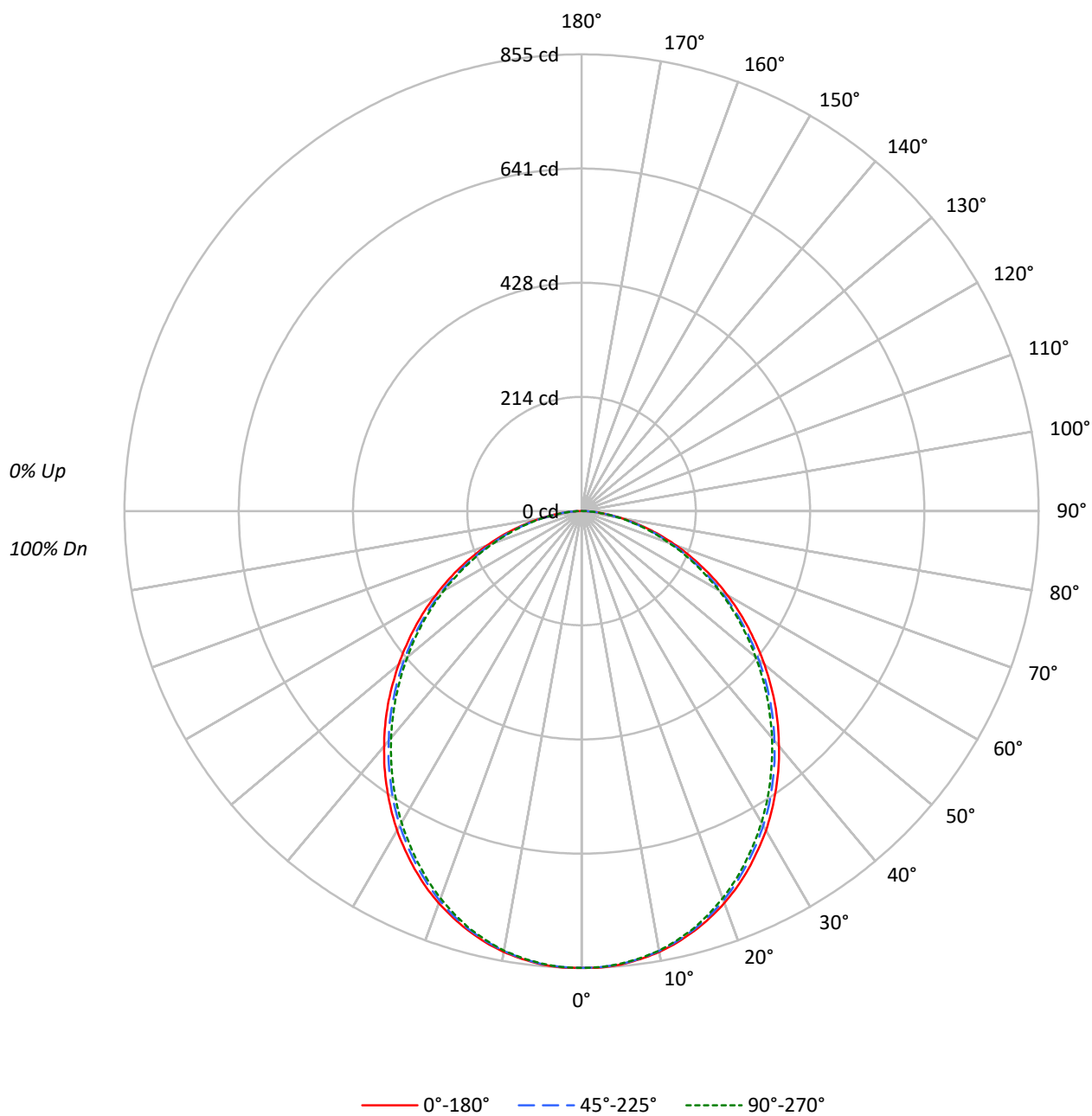
Lumens per Lamp: N/A
Luminaire Lumens: 2156.4 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32		32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	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°	1151	1151	1151
5°	1151	1150	1149
10°	1145	1142	1141
15°	1134	1130	1127
20°	1118	1111	1105
25°	1097	1085	1077
30°	1073	1056	1046
35°	1042	1022	1011
40°	1009	986	974
45°	975	947	933
50°	935	906	890
55°	894	863	846
60°	848	814	799
65°	798	761	745
70°	742	703	685
75°	674	636	625
80°	583	552	556
85°	482	475	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 975 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.7
10°-20°	228.6	10.6
20°-30°	336.9	15.6
30°-40°	390.0	18.1
40°-50°	385.0	17.9
50°-60°	329.8	15.3
60°-70°	238.4	11.1
70°-80°	131.4	6.1
80°-90°	35.4	1.6
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°	646.3	30.0
0°-40°	1036.3	48.1
0°-60°	1751.1	81.2
0°-90°	2156.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2156.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	852	852	851	850	850	81
15°	814	813	811	810	809	229
25°	739	737	731	727	725	340
35°	634	630	622	617	616	397
45°	512	505	498	493	490	395
55°	381	374	368	362	361	341
65°	251	245	239	235	234	249
75°	130	126	122	122	120	137
85°	31	31	31	29	29	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.2	855.2	855.2	855.2	855.2
2.5°	855.2	855.2	854.4	854.4	854.4
5°	852.0	851.6	851.2	850.4	850.4
7.5°	845.9	845.9	844.7	844.7	843.9
10°	838.2	837.4	836.2	836.2	835.4
12.5°	827.3	826.5	824.9	824.5	823.2
15°	813.9	813.1	811.1	809.9	809.1
17.5°	798.5	797.3	794.9	792.9	791.2
20°	781.1	779.5	775.9	773.4	771.4
22.5°	761.3	759.7	754.4	751.6	749.5
25°	739.0	737.0	730.9	727.3	725.2
27.5°	715.1	712.7	705.8	701.8	699.7
30°	690.4	686.8	679.9	675.0	673.4
32.5°	662.9	659.2	652.4	646.7	645.1
35°	634.5	630.5	622.4	617.1	615.5
37.5°	605.4	600.1	592.8	587.6	585.1
40°	574.6	569.3	561.2	555.6	554.4
42.5°	543.8	537.4	530.5	524.8	522.4
45°	512.2	505.4	497.7	492.8	490.4
47.5°	479.0	472.6	465.7	460.0	458.0
50°	446.6	439.8	432.9	427.6	425.2
52.5°	413.4	406.6	400.1	395.6	393.2
55°	381.0	373.8	367.7	362.4	360.8
57.5°	348.2	341.8	334.9	330.0	328.8
60°	315.0	309.4	302.5	298.0	296.8
62.5°	283.1	277.4	270.9	266.4	264.4
65°	250.7	245.0	238.9	235.3	234.1
67.5°	219.1	213.8	208.5	204.9	204.1
70°	188.7	183.4	178.6	175.3	174.1
72.5°	158.3	154.7	149.8	147.8	146.6
75°	129.6	125.5	122.3	121.9	120.3
77.5°	101.6	101.2	96.0	95.2	95.2
80°	75.3	74.1	71.3	70.5	71.7
82.5°	51.8	51.0	49.4	49.0	48.6
85°	31.2	31.2	30.8	28.8	28.8
87.5°	14.2	13.8	13.4	13.8	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)