

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: P995594

Luminaire Tested: 24D3X-LP-WD-35-L940.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995594
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-35-L940.ies
Description: 2x4 D3X-LP AT 3500LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

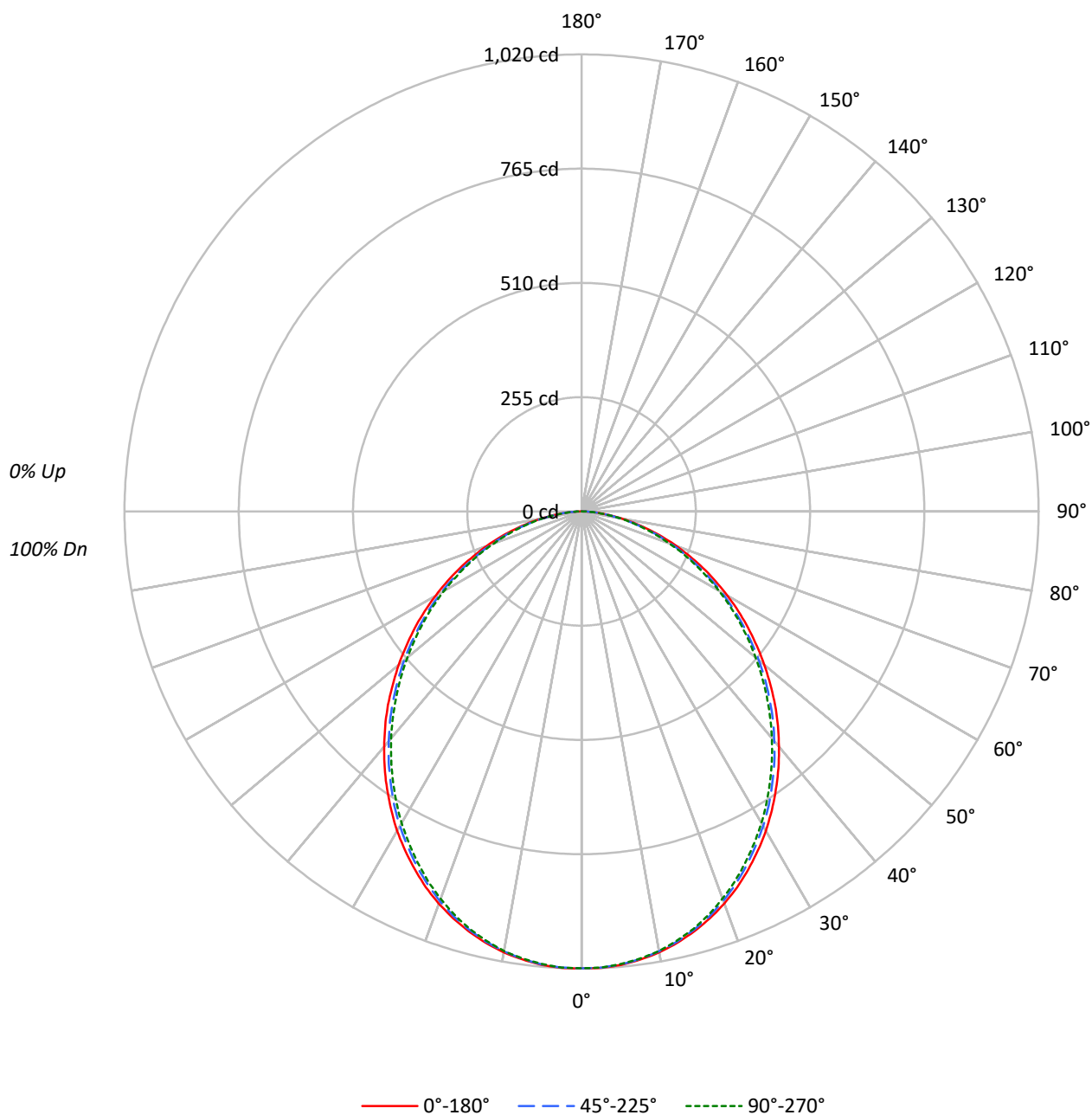
Lumens per Lamp: N/A
Luminaire Lumens: 2571.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	33	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1372	1372	1372
5°	1372	1371	1370
10°	1366	1362	1361
15°	1352	1347	1344
20°	1334	1325	1317
25°	1308	1294	1284
30°	1279	1260	1248
35°	1243	1219	1205
40°	1203	1175	1161
45°	1162	1129	1113
50°	1115	1081	1061
55°	1066	1028	1009
60°	1011	971	952
65°	952	907	889
70°	885	838	817
75°	803	758	745
80°	696	659	662
85°	574	567	530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	3.7
10°-20°	272.6	10.6
20°-30°	401.7	15.6
30°-40°	465.0	18.1
40°-50°	459.1	17.9
50°-60°	393.3	15.3
60°-70°	284.3	11.1
70°-80°	156.7	6.1
80°-90°	42.2	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°	770.6	30.0
0°-40°	1235.7	48.1
0°-60°	2088.0	81.2
0°-90°	2571.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2571.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1016	1015	1015	1014	1014	96
15°	970	970	967	966	965	274
25°	881	879	872	867	865	406
35°	757	752	742	736	734	473
45°	611	603	593	588	585	471
55°	454	446	438	432	430	406
65°	299	292	285	280	279	296
75°	154	150	146	145	143	164
85°	37	37	37	34	34	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1019.8	1019.8	1019.8	1019.8	1019.8
2.5°	1019.8	1019.8	1018.8	1018.8	1018.8
5°	1015.9	1015.4	1015.0	1014.0	1014.0
7.5°	1008.7	1008.7	1007.2	1007.2	1006.3
10°	999.5	998.5	997.1	997.1	996.1
12.5°	986.5	985.5	983.6	983.1	981.6
15°	970.5	969.6	967.1	965.7	964.7
17.5°	952.2	950.7	947.8	945.4	943.5
20°	931.4	929.5	925.1	922.2	919.8
22.5°	907.8	905.8	899.5	896.2	893.8
25°	881.2	878.8	871.5	867.2	864.8
27.5°	852.7	849.8	841.6	836.8	834.4
30°	823.3	818.9	810.7	804.9	803.0
32.5°	790.4	786.1	777.9	771.1	769.2
35°	756.6	751.8	742.1	735.9	733.9
37.5°	721.9	715.6	706.9	700.6	697.7
40°	685.2	678.9	669.2	662.5	661.0
42.5°	648.5	640.7	632.5	625.8	622.9
45°	610.8	602.6	593.4	587.6	584.7
47.5°	571.2	563.5	555.3	548.5	546.1
50°	532.6	524.4	516.2	509.9	507.0
52.5°	493.0	484.8	477.1	471.7	468.8
55°	454.4	445.7	438.4	432.2	430.2
57.5°	415.3	407.5	399.3	393.5	392.1
60°	375.7	368.9	360.7	355.4	353.9
62.5°	337.5	330.8	323.0	317.7	315.3
65°	298.9	292.1	284.9	280.5	279.1
67.5°	261.2	254.9	248.7	244.3	243.4
70°	225.0	218.7	212.9	209.1	207.6
72.5°	188.8	184.4	178.7	176.2	174.8
75°	154.5	149.7	145.8	145.3	143.4
77.5°	121.2	120.7	114.4	113.5	113.5
80°	89.8	88.4	85.0	84.0	85.5
82.5°	61.8	60.8	58.9	58.4	57.9
85°	37.2	37.2	36.7	34.3	34.3
87.5°	16.9	16.4	15.9	16.4	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)