

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: P995593

Luminaire Tested: 24D3X-LP-WD-35-L935.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995593
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-L935.ies
Description: 2x4 D3X-LP AT 3500LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

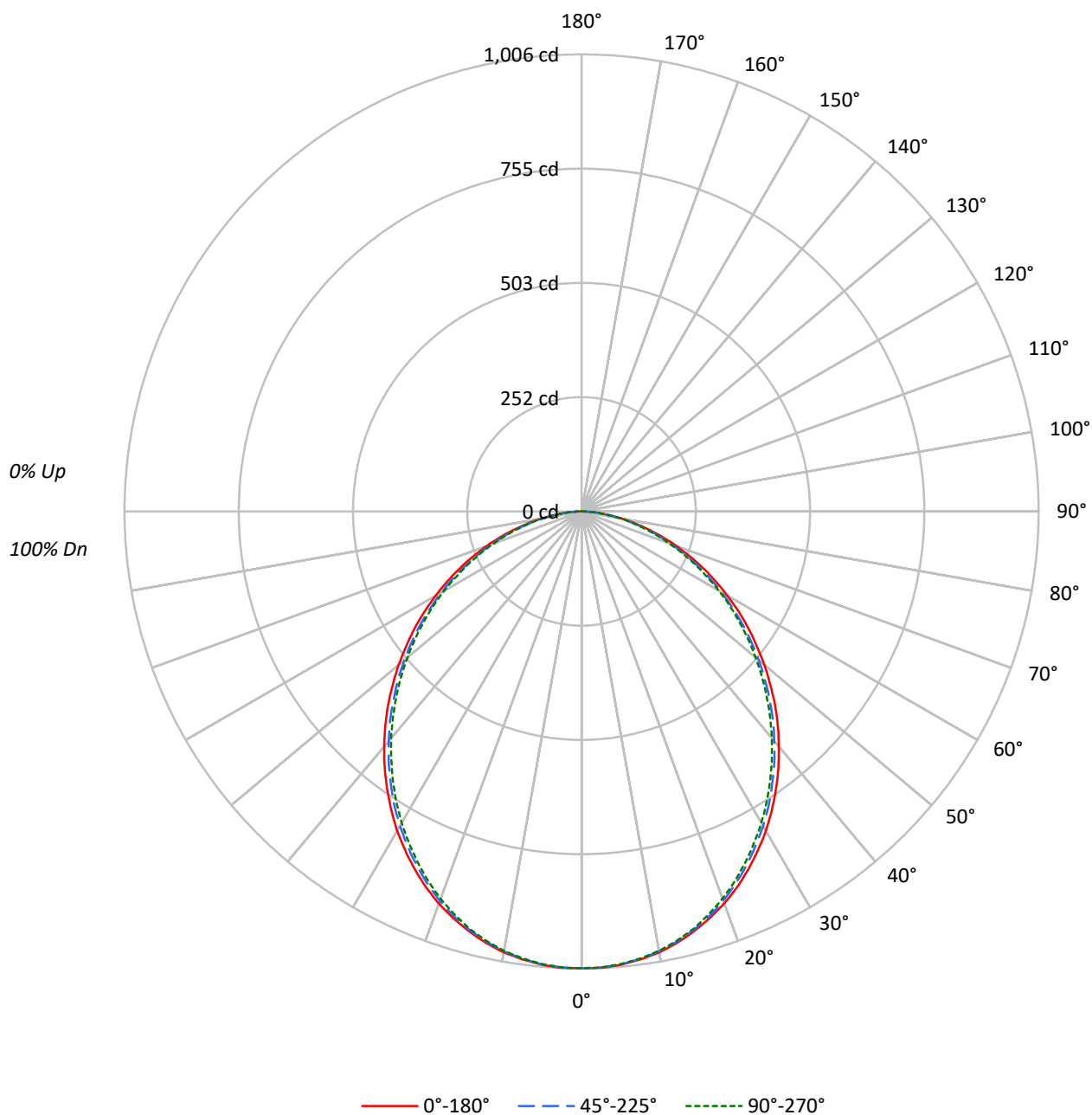
Lumens per Lamp: N/A
Luminaire Lumens: 2535.3 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1353	1353	1353
5°	1353	1352	1350
10°	1346	1343	1342
15°	1333	1328	1325
20°	1315	1306	1299
25°	1290	1276	1266
30°	1261	1242	1230
35°	1225	1202	1189
40°	1187	1159	1145
45°	1146	1113	1097
50°	1099	1065	1046
55°	1051	1014	995
60°	997	957	939
65°	938	894	876
70°	873	826	805
75°	792	748	735
80°	687	649	653
85°	567	559	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	3.7
10°-20°	268.8	10.6
20°-30°	396.1	15.6
30°-40°	458.5	18.1
40°-50°	452.7	17.9
50°-60°	387.7	15.3
60°-70°	280.3	11.1
70°-80°	154.5	6.1
80°-90°	41.6	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°	759.8	30.0
0°-40°	1218.4	48.1
0°-60°	2058.8	81.2
0°-90°	2535.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2535.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	1002	1001	1001	1000	1000	95
15°	957	956	954	952	951	270
25°	869	866	859	855	853	400
35°	746	741	732	726	724	466
45°	602	594	585	579	576	464
55°	448	439	432	426	424	400
65°	295	288	281	277	275	292
75°	152	148	144	143	141	162
85°	37	37	36	34	34	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	1005.5	1005.5	1004.5	1004.5	1004.5
5°	1001.7	1001.2	1000.7	999.8	999.8
7.5°	994.6	994.6	993.1	993.1	992.2
10°	985.5	984.6	983.1	983.1	982.2
12.5°	972.7	971.7	969.8	969.3	967.9
15°	956.9	956.0	953.6	952.2	951.2
17.5°	938.8	937.4	934.6	932.2	930.3
20°	918.4	916.5	912.2	909.3	907.0
22.5°	895.0	893.1	887.0	883.6	881.2
25°	868.9	866.5	859.3	855.1	852.7
27.5°	840.8	837.9	829.8	825.1	822.7
30°	811.7	807.4	799.4	793.6	791.7
32.5°	779.4	775.1	767.0	760.3	758.4
35°	746.0	741.3	731.7	725.6	723.7
37.5°	711.8	705.6	697.0	690.8	687.9
40°	675.6	669.4	659.9	653.2	651.8
42.5°	639.4	631.8	623.7	617.0	614.2
45°	602.3	594.2	585.1	579.4	576.5
47.5°	563.2	555.6	547.5	540.8	538.5
50°	525.1	517.0	508.9	502.8	499.9
52.5°	486.1	478.0	470.4	465.1	462.3
55°	448.0	439.4	432.3	426.1	424.2
57.5°	409.4	401.8	393.7	388.0	386.6
60°	370.4	363.7	355.6	350.4	349.0
62.5°	332.8	326.1	318.5	313.3	310.9
65°	294.7	288.0	280.9	276.6	275.2
67.5°	257.6	251.4	245.2	240.9	239.9
70°	221.9	215.7	210.0	206.1	204.7
72.5°	186.2	181.9	176.2	173.8	172.3
75°	152.3	147.6	143.8	143.3	141.4
77.5°	119.5	119.0	112.8	111.9	111.9
80°	88.6	87.1	83.8	82.8	84.3
82.5°	60.9	60.0	58.1	57.6	57.1
85°	36.7	36.7	36.2	33.8	33.8
87.5°	16.7	16.2	15.7	16.2	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)