

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: P995591

Luminaire Tested: 24D3X-LP-WD-35-L927.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995591
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-L927.ies
Description: 2x4 D3X-LP AT 3500LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

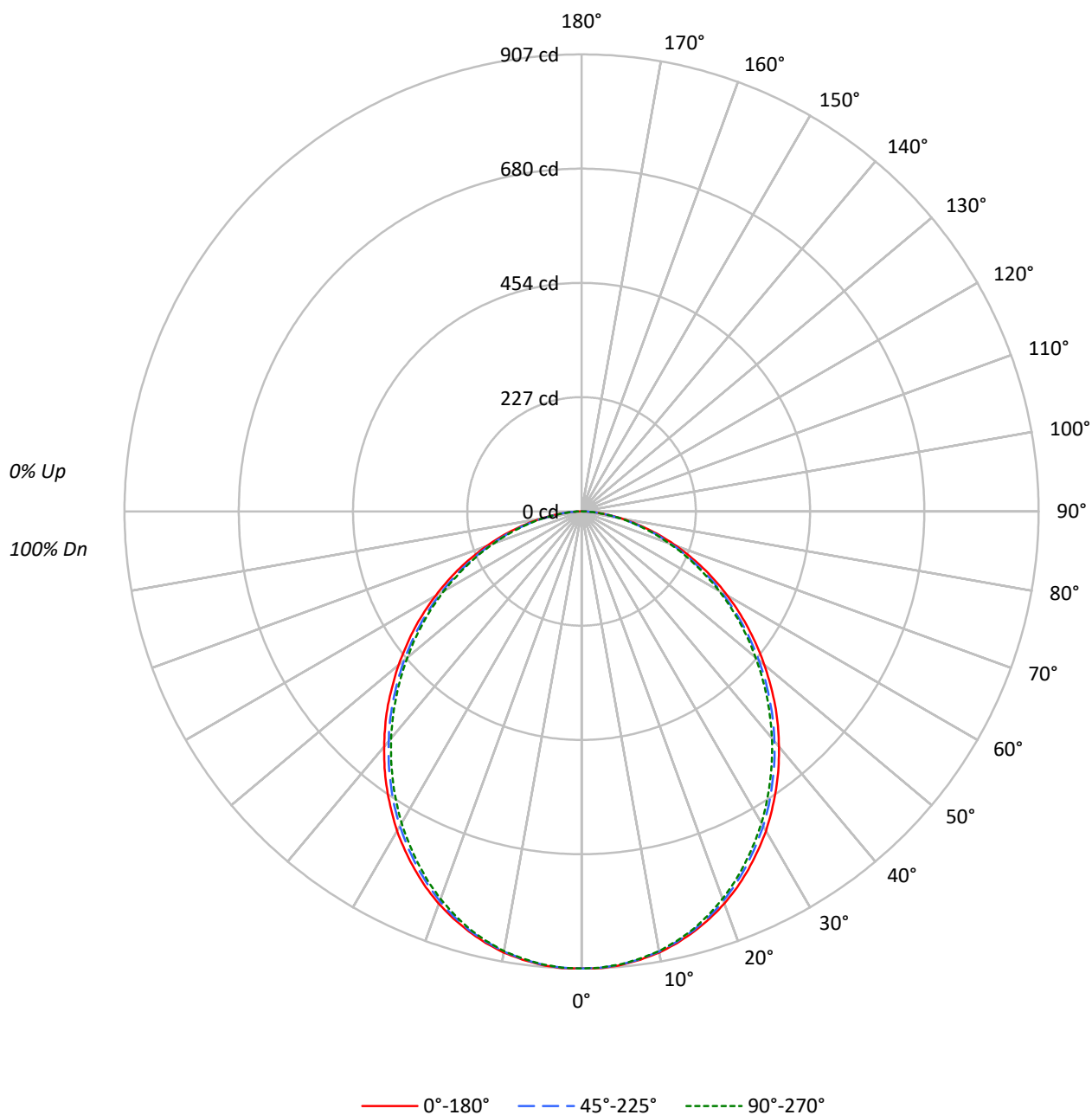
Lumens per Lamp: N/A
Luminaire Lumens: 2286.9 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P995591

CATALOG NUMBER: 24D3X-LP-WD-35-L927.ies

Luminous Intensity Polar Plot



TEST NUMBER: P995591

CATALOG NUMBER: 24D3X-LP-WD-35-L927.ies

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	105	100	97	106	102	99	95	98	95	92		94	92	89		85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		60
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		40
7	66	53	44	38	64	52	44	38	51	43	38		49	42	38		35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1220	1220	1220
5°	1220	1219	1218
10°	1214	1212	1210
15°	1202	1198	1195
20°	1186	1178	1171
25°	1163	1151	1142
30°	1138	1120	1109
35°	1105	1084	1072
40°	1070	1045	1033
45°	1034	1004	989
50°	992	961	944
55°	948	915	897
60°	899	863	847
65°	846	807	790
70°	787	745	727
75°	714	674	663
80°	619	586	589
85°	511	503	471

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1034 cd/sqm

TEST NUMBER: P995591

CATALOG NUMBER: 24D3X-LP-WD-35-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.7
10°-20°	242.4	10.6
20°-30°	357.3	15.6
30°-40°	413.6	18.1
40°-50°	408.3	17.9
50°-60°	349.8	15.3
60°-70°	252.9	11.1
70°-80°	139.4	6.1
80°-90°	37.5	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°	685.4	30.0
0°-40°	1099.0	48.1
0°-60°	1857.1	81.2
0°-90°	2286.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2286.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	904	903	903	902	902	86
15°	863	862	860	859	858	243
25°	784	782	775	771	769	361
35°	673	669	660	654	653	421
45°	543	536	528	523	520	419
55°	404	396	390	384	383	361
65°	266	260	253	250	248	264
75°	137	133	130	129	128	146
85°	33	33	33	30	30	39
90°	0	0	0	0	0	

TEST NUMBER: P995591

CATALOG NUMBER: 24D3X-LP-WD-35-L927.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	907.0	907.0	907.0	907.0	907.0
2.5°	907.0	907.0	906.1	906.1	906.1
5°	903.5	903.1	902.7	901.8	901.8
7.5°	897.1	897.1	895.8	895.8	894.9
10°	888.9	888.1	886.8	886.8	885.9
12.5°	877.3	876.5	874.8	874.3	873.0
15°	863.2	862.3	860.2	858.9	858.0
17.5°	846.8	845.6	843.0	840.8	839.1
20°	828.4	826.7	822.8	820.2	818.1
22.5°	807.3	805.6	800.0	797.0	794.9
25°	783.7	781.6	775.1	771.3	769.1
27.5°	758.4	755.8	748.5	744.2	742.1
30°	732.2	728.3	721.0	715.9	714.1
32.5°	703.0	699.1	691.8	685.8	684.1
35°	672.9	668.6	660.0	654.5	652.7
37.5°	642.0	636.4	628.7	623.1	620.5
40°	609.4	603.8	595.2	589.2	587.9
42.5°	576.7	569.9	562.6	556.5	554.0
45°	543.2	535.9	527.8	522.6	520.0
47.5°	508.0	501.1	493.8	487.8	485.7
50°	473.7	466.4	459.1	453.5	450.9
52.5°	438.5	431.2	424.3	419.6	417.0
55°	404.1	396.4	389.9	384.3	382.6
57.5°	369.3	362.4	355.1	350.0	348.7
60°	334.1	328.1	320.8	316.1	314.8
62.5°	300.2	294.2	287.3	282.6	280.4
65°	265.8	259.8	253.4	249.5	248.2
67.5°	232.3	226.7	221.2	217.3	216.4
70°	200.1	194.5	189.4	185.9	184.7
72.5°	167.9	164.0	158.9	156.7	155.5
75°	137.4	133.1	129.7	129.3	127.5
77.5°	107.8	107.4	101.8	100.9	100.9
80°	79.9	78.6	75.6	74.7	76.0
82.5°	55.0	54.1	52.4	52.0	51.5
85°	33.1	33.1	32.6	30.5	30.5
87.5°	15.0	14.6	14.2	14.6	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)