

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: P995595

Luminaire Tested: 24D3X-LP-WD-35-L950.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995595
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-L950.ies
Description: 2x4 D3X-LP AT 3500LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

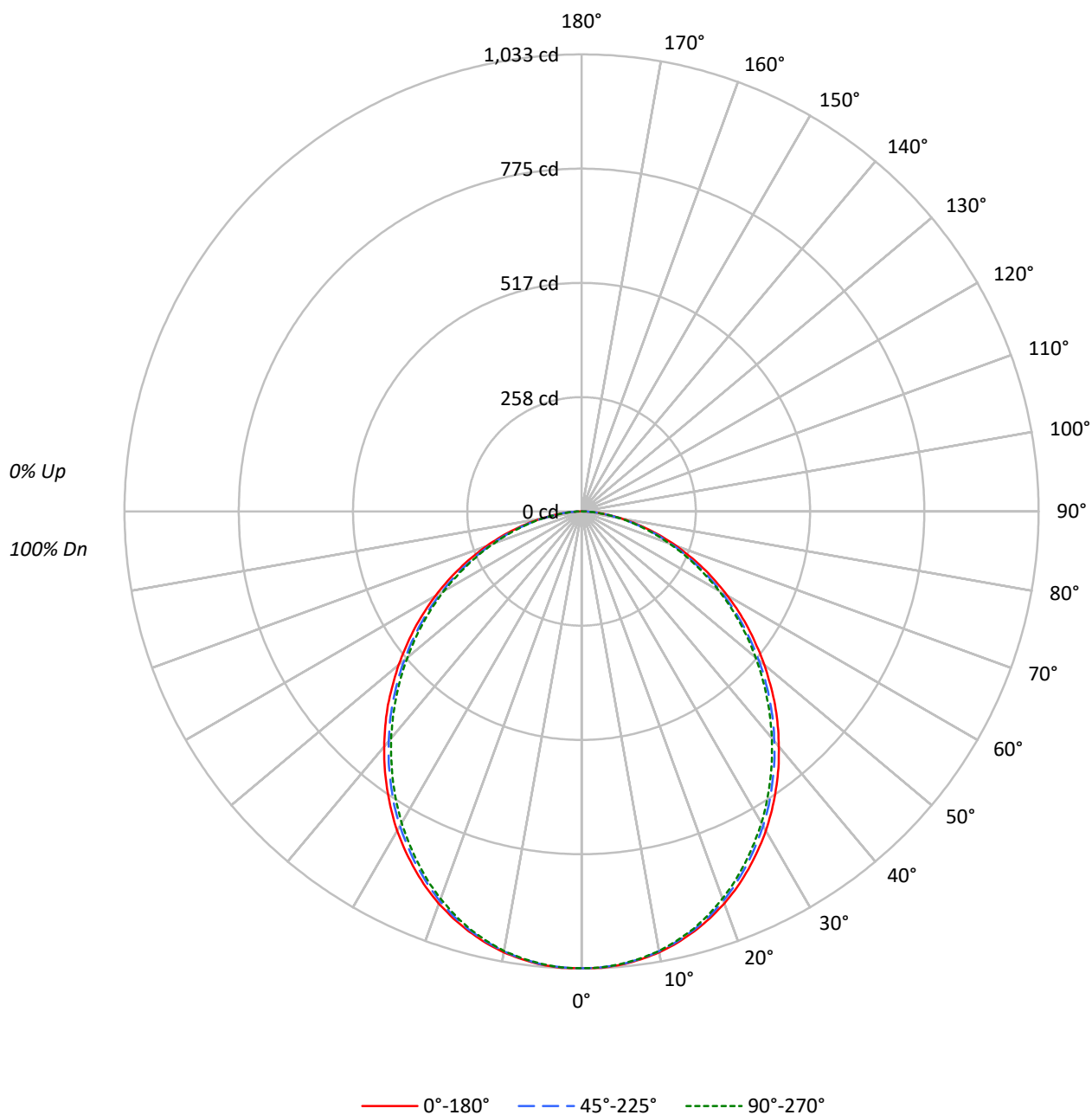
Lumens per Lamp: N/A
Luminaire Lumens: 2603.8 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1389	1389	1389
5°	1389	1388	1387
10°	1383	1379	1378
15°	1369	1364	1361
20°	1351	1341	1334
25°	1325	1310	1300
30°	1295	1275	1263
35°	1259	1234	1221
40°	1219	1190	1176
45°	1177	1143	1127
50°	1129	1094	1075
55°	1079	1042	1022
60°	1024	983	964
65°	964	918	900
70°	896	848	827
75°	814	768	755
80°	704	667	670
85°	580	574	536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	3.7
10°-20°	276.0	10.6
20°-30°	406.8	15.6
30°-40°	470.9	18.1
40°-50°	464.9	17.9
50°-60°	398.2	15.3
60°-70°	287.9	11.1
70°-80°	158.7	6.1
80°-90°	42.7	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°	780.3	30.0
0°-40°	1251.3	48.1
0°-60°	2114.4	81.2
0°-90°	2603.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2603.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1029	1028	1028	1027	1027	98
15°	983	982	979	978	977	277
25°	892	890	882	878	876	411
35°	766	761	752	745	743	479
45°	618	610	601	595	592	477
55°	460	451	444	438	436	411
65°	303	296	288	284	283	300
75°	156	152	148	147	145	166
85°	38	38	37	35	35	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1032.6	1032.6	1032.6	1032.6	1032.6
2.5°	1032.6	1032.6	1031.7	1031.7	1031.7
5°	1028.7	1028.2	1027.8	1026.8	1026.8
7.5°	1021.4	1021.4	1019.9	1019.9	1019.0
10°	1012.1	1011.1	1009.7	1009.7	1008.7
12.5°	998.9	997.9	996.0	995.5	994.0
15°	982.8	981.8	979.4	977.9	976.9
17.5°	964.2	962.7	959.8	957.4	955.4
20°	943.2	941.2	936.8	933.9	931.4
22.5°	919.2	917.3	910.9	907.5	905.0
25°	892.3	889.9	882.5	878.1	875.7
27.5°	863.5	860.5	852.2	847.3	844.9
30°	833.6	829.2	820.9	815.1	813.1
32.5°	800.4	796.0	787.7	780.8	778.9
35°	766.2	761.3	751.5	745.2	743.2
37.5°	731.0	724.6	715.8	709.5	706.5
40°	693.8	687.5	677.7	670.8	669.4
42.5°	656.7	648.8	640.5	633.7	630.7
45°	618.5	610.2	600.9	595.0	592.1
47.5°	578.4	570.6	562.3	555.4	553.0
50°	539.3	531.0	522.7	516.3	513.4
52.5°	499.2	490.9	483.1	477.7	474.8
55°	460.1	451.3	444.0	437.6	435.6
57.5°	420.5	412.7	404.4	398.5	397.0
60°	380.4	373.6	365.2	359.9	358.4
62.5°	341.8	334.9	327.1	321.7	319.3
65°	302.7	295.8	288.5	284.1	282.6
67.5°	264.5	258.2	251.8	247.4	246.4
70°	227.8	221.5	215.6	211.7	210.2
72.5°	191.2	186.8	180.9	178.5	177.0
75°	156.5	151.6	147.7	147.2	145.2
77.5°	122.7	122.2	115.9	114.9	114.9
80°	90.9	89.5	86.1	85.1	86.5
82.5°	62.6	61.6	59.7	59.2	58.7
85°	37.6	37.6	37.2	34.7	34.7
87.5°	17.1	16.6	16.1	16.6	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)