

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: P995628

Luminaire Tested: 24D3X-LP-WD-55-L930.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995628
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-55-L930.ies
Description: 2x4 D3X-LP AT 5500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

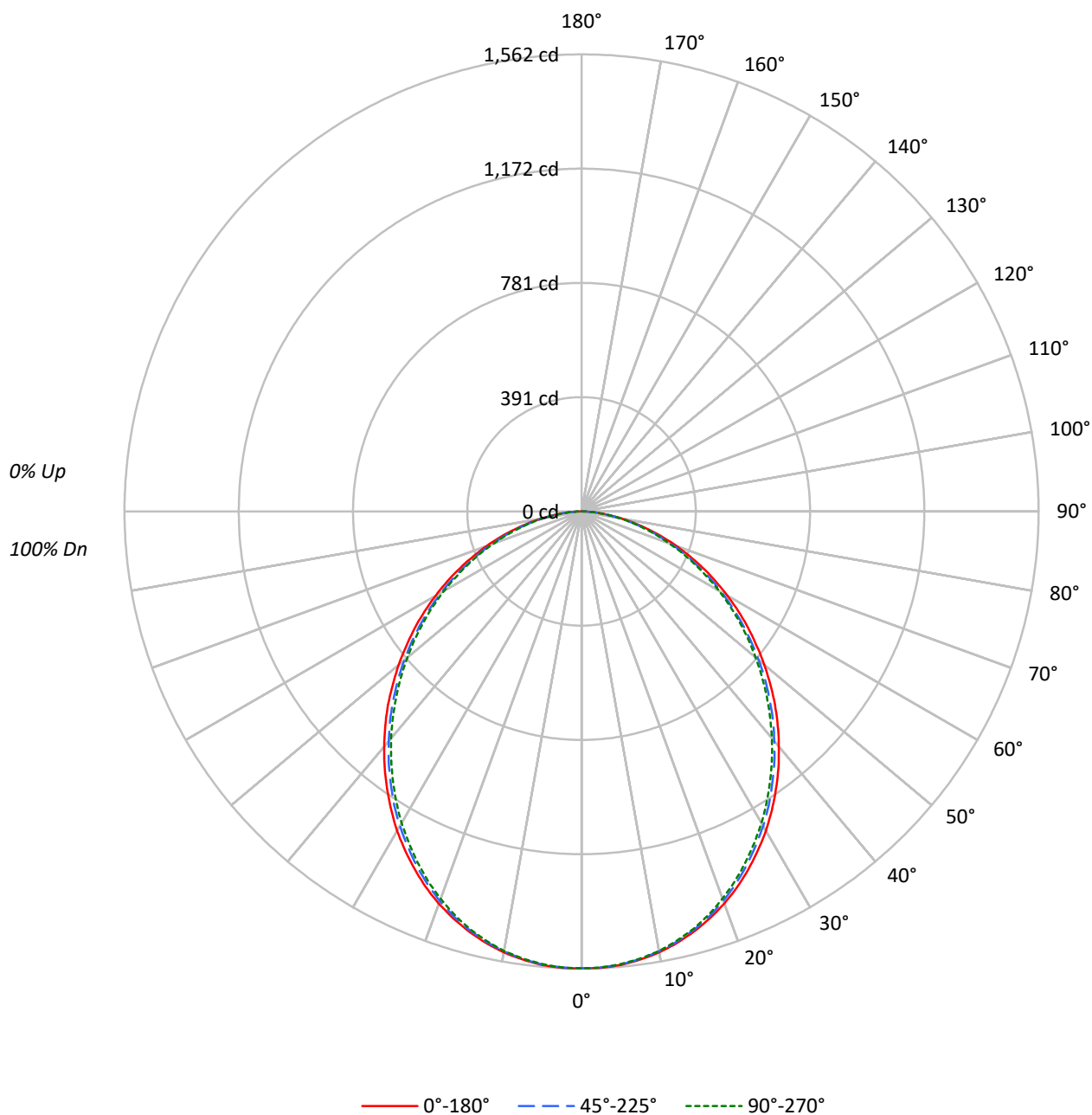
Lumens per Lamp: N/A
Luminaire Lumens: 3937.5 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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°	2101	2101	2101
5°	2101	2099	2097
10°	2091	2086	2084
15°	2070	2063	2058
20°	2042	2028	2017
25°	2003	1981	1966
30°	1959	1929	1910
35°	1903	1867	1846
40°	1843	1800	1778
45°	1780	1729	1704
50°	1707	1654	1625
55°	1632	1575	1545
60°	1548	1486	1459
65°	1457	1389	1361
70°	1356	1283	1251
75°	1230	1161	1142
80°	1065	1008	1014
85°	878	868	810

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1780 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.7
10°-20°	417.4	10.6
20°-30°	615.2	15.6
30°-40°	712.1	18.1
40°-50°	703.1	17.9
50°-60°	602.2	15.3
60°-70°	435.4	11.1
70°-80°	240.0	6.1
80°-90°	64.6	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°	1180.1	30.0
0°-40°	1892.2	48.1
0°-60°	3197.5	81.2
0°-90°	3937.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3937.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1562	1562	1562	1562	1562	
5°	1556	1555	1554	1553	1553	148
15°	1486	1485	1481	1479	1477	419
25°	1349	1346	1335	1328	1324	621
35°	1159	1151	1136	1127	1124	724
45°	935	923	909	900	895	721
55°	696	682	671	662	659	622
65°	458	447	436	430	427	454
75°	237	229	223	223	220	251
85°	57	57	56	52	52	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1561.6	1561.6	1561.6	1561.6	1561.6
2.5°	1561.6	1561.6	1560.1	1560.1	1560.1
5°	1555.7	1555.0	1554.2	1552.7	1552.7
7.5°	1544.6	1544.6	1542.4	1542.4	1540.9
10°	1530.6	1529.1	1526.9	1526.9	1525.4
12.5°	1510.6	1509.1	1506.2	1505.4	1503.2
15°	1486.2	1484.7	1481.0	1478.8	1477.3
17.5°	1458.1	1455.9	1451.4	1447.7	1444.8
20°	1426.3	1423.3	1416.7	1412.3	1408.6
22.5°	1390.1	1387.1	1377.5	1372.3	1368.6
25°	1349.4	1345.7	1334.6	1328.0	1324.3
27.5°	1305.8	1301.3	1288.8	1281.4	1277.7
30°	1260.7	1254.0	1241.5	1232.6	1229.6
32.5°	1210.4	1203.7	1191.2	1180.8	1177.9
35°	1158.6	1151.2	1136.5	1126.8	1123.9
37.5°	1105.4	1095.8	1082.5	1072.9	1068.4
40°	1049.2	1039.6	1024.8	1014.5	1012.2
42.5°	993.0	981.2	968.6	958.3	953.8
45°	935.3	922.8	908.7	899.9	895.4
47.5°	874.7	862.9	850.3	840.0	836.3
50°	815.6	803.0	790.4	780.8	776.4
52.5°	754.9	742.4	730.5	722.4	718.0
55°	695.8	682.5	671.4	661.8	658.8
57.5°	635.9	624.1	611.5	602.6	600.4
60°	575.3	564.9	552.3	544.2	542.0
62.5°	516.8	506.5	494.7	486.5	482.8
65°	457.7	447.3	436.2	429.6	427.4
67.5°	400.0	390.4	380.8	374.1	372.7
70°	344.6	334.9	326.1	320.2	317.9
72.5°	289.1	282.5	273.6	269.9	267.7
75°	236.6	229.2	223.3	222.6	219.6
77.5°	185.6	184.9	175.2	173.8	173.8
80°	137.5	135.3	130.1	128.7	130.9
82.5°	94.6	93.2	90.2	89.5	88.7
85°	56.9	56.9	56.2	52.5	52.5
87.5°	25.9	25.1	24.4	25.1	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)