

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: P995557

Luminaire Tested: 22D3X-LP-WD-60-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-60-L935.ies
Description: 2x2 D3X-LP AT 6000LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

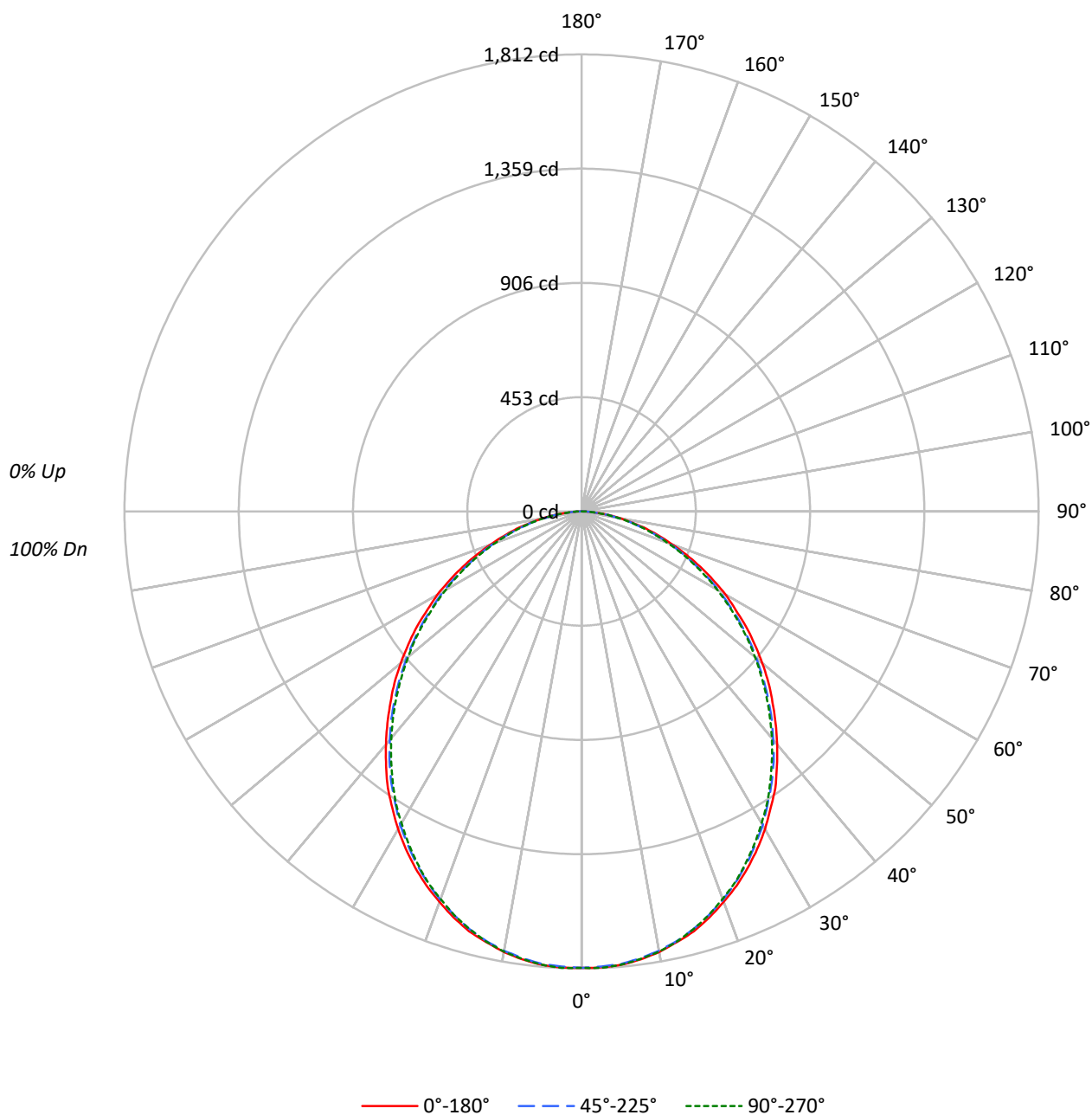
Lumens per Lamp: N/A
Luminaire Lumens: 4522.5 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	105	101	97	107	102	99	95	98	95	92		94	92	89		85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		61
4	84	72	64	57	81	71	63	57	68	61	56		66	60	55		52
5	77	65	56	49	75	64	55	49	61	54	49		59	53	48		45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		36
8	62	49	40	34	60	48	40	34	47	39	34		45	39	34		32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		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°	4870	4870	4870
5°	4874	4864	4874
10°	4847	4832	4842
15°	4801	4776	4776
20°	4718	4692	4682
25°	4630	4587	4571
30°	4520	4464	4436
35°	4400	4317	4287
40°	4236	4154	4122
45°	4075	3979	3945
50°	3916	3788	3758
55°	3738	3603	3552
60°	3550	3395	3347
65°	3305	3145	3110
70°	3020	2907	2836
75°	2755	2587	2606
80°	2374	2235	2263
85°	1837	1782	1670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4075 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	3.8
10°-20°	483.4	10.7
20°-30°	711.9	15.7
30°-40°	823.6	18.2
40°-50°	809.7	17.9
50°-60°	690.0	15.3
60°-70°	494.4	10.9
70°-80°	268.5	5.9
80°-90°	70.0	1.5
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°	1366.3	30.2
0°-40°	2189.8	48.4
0°-60°	3689.5	81.6
0°-90°	4522.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1804	1801	1801	1801	1804	171
15°	1723	1716	1714	1712	1714	485
25°	1559	1552	1545	1541	1539	718
35°	1339	1328	1314	1307	1305	835
45°	1071	1064	1046	1036	1036	827
55°	797	782	768	759	757	711
65°	519	508	494	488	488	514
75°	265	256	249	245	251	280
85°	60	60	58	56	54	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1809.8	1809.8	1809.8	1809.8	1809.8
2.5°	1809.8	1808.0	1806.2	1808.0	1811.6
5°	1804.4	1800.8	1800.8	1800.8	1804.4
7.5°	1791.8	1788.2	1786.4	1788.2	1790.0
10°	1773.7	1770.1	1768.3	1770.1	1771.9
12.5°	1748.5	1746.7	1744.9	1744.9	1746.7
15°	1723.3	1716.1	1714.3	1712.5	1714.3
17.5°	1687.2	1685.4	1678.2	1678.2	1678.2
20°	1647.6	1644.0	1638.5	1634.9	1634.9
22.5°	1606.1	1602.5	1593.5	1589.9	1591.7
25°	1559.2	1552.0	1544.8	1541.2	1539.4
27.5°	1508.8	1501.6	1490.7	1485.3	1485.3
30°	1454.7	1449.3	1436.7	1429.4	1427.6
32.5°	1395.2	1391.6	1373.6	1370.0	1370.0
35°	1339.3	1328.5	1314.1	1306.9	1305.1
37.5°	1272.6	1265.4	1251.0	1242.0	1240.2
40°	1205.9	1196.9	1182.5	1175.3	1173.5
42.5°	1139.2	1130.2	1115.8	1106.8	1105.0
45°	1070.7	1063.5	1045.5	1036.5	1036.5
47.5°	1005.8	991.4	975.2	968.0	966.2
50°	935.5	922.9	904.9	897.7	897.7
52.5°	865.2	856.2	836.4	832.8	829.2
55°	796.7	782.3	767.9	758.9	757.1
57.5°	722.8	710.2	695.8	688.6	688.6
60°	659.7	643.5	630.9	621.9	621.9
62.5°	587.6	573.2	560.6	555.2	553.4
65°	519.1	508.3	493.9	488.5	488.5
67.5°	450.6	441.6	429.0	423.6	425.4
70°	383.9	378.5	369.5	362.3	360.5
72.5°	322.7	315.5	306.4	304.6	304.6
75°	265.0	256.0	248.8	245.2	250.6
77.5°	205.5	200.1	196.5	194.7	196.5
80°	153.2	146.0	144.2	146.0	146.0
82.5°	106.4	102.7	100.9	100.9	100.9
85°	59.5	59.5	57.7	55.9	54.1
87.5°	23.4	23.4	25.2	25.2	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)