

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: P995546

Luminaire Tested: 22D3X-LP-WD-55-L927.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995546
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-55-L927.ies
Description: 2x2 D3X-LP AT 5500LM 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

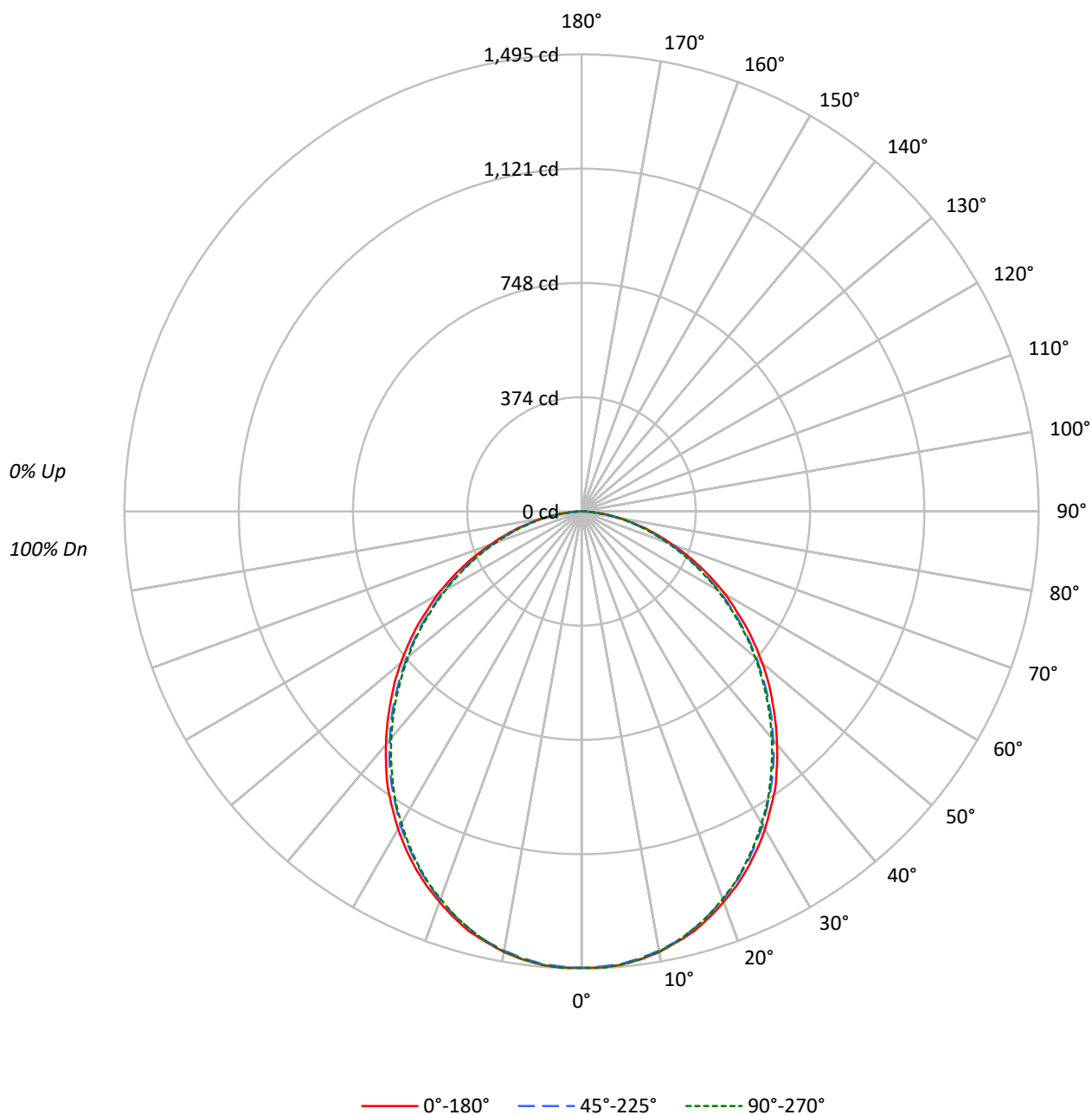
Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	4018	4018	4018
5°	4021	4013	4021
10°	3998	3986	3994
15°	3961	3940	3940
20°	3892	3871	3863
25°	3820	3784	3771
30°	3729	3683	3660
35°	3630	3561	3537
40°	3495	3427	3401
45°	3362	3282	3254
50°	3231	3125	3100
55°	3084	2972	2930
60°	2929	2801	2761
65°	2727	2595	2566
70°	2493	2399	2340
75°	2273	2133	2149
80°	1959	1844	1867
85°	1516	1470	1377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.8
10°-20°	398.8	10.7
20°-30°	587.3	15.7
30°-40°	679.4	18.2
40°-50°	668.0	17.9
50°-60°	569.3	15.3
60°-70°	407.9	10.9
70°-80°	221.5	5.9
80°-90°	57.8	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°	1127.2	30.2
0°-40°	1806.6	48.4
0°-60°	3043.8	81.6
0°-90°	3731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1493	1493	1493	1493	1493	
5°	1489	1486	1486	1486	1489	141
15°	1422	1416	1414	1413	1414	400
25°	1286	1280	1274	1272	1270	592
35°	1105	1096	1084	1078	1077	689
45°	883	877	862	855	855	682
55°	657	645	634	626	625	587
65°	428	419	408	403	403	424
75°	219	211	205	202	207	231
85°	49	49	48	46	45	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.1	1493.1	1493.1	1493.1	1493.1
2.5°	1493.1	1491.6	1490.1	1491.6	1494.6
5°	1488.6	1485.6	1485.6	1485.6	1488.6
7.5°	1478.2	1475.2	1473.7	1475.2	1476.7
10°	1463.3	1460.3	1458.9	1460.3	1461.8
12.5°	1442.5	1441.0	1439.5	1439.5	1441.0
15°	1421.7	1415.7	1414.2	1412.8	1414.2
17.5°	1391.9	1390.5	1384.5	1384.5	1384.5
20°	1359.2	1356.3	1351.8	1348.8	1348.8
22.5°	1325.0	1322.0	1314.6	1311.6	1313.1
25°	1286.4	1280.4	1274.5	1271.5	1270.0
27.5°	1244.7	1238.8	1229.8	1225.4	1225.4
30°	1200.1	1195.6	1185.2	1179.3	1177.8
32.5°	1151.0	1148.1	1133.2	1130.2	1130.2
35°	1104.9	1096.0	1084.1	1078.2	1076.7
37.5°	1049.9	1044.0	1032.1	1024.6	1023.1
40°	994.9	987.4	975.5	969.6	968.1
42.5°	939.9	932.4	920.5	913.1	911.6
45°	883.3	877.4	862.5	855.1	855.1
47.5°	829.8	817.9	804.5	798.6	797.1
50°	771.8	761.4	746.5	740.6	740.6
52.5°	713.8	706.4	690.0	687.0	684.1
55°	657.3	645.4	633.5	626.1	624.6
57.5°	596.3	585.9	574.0	568.1	568.1
60°	544.3	530.9	520.5	513.1	513.1
62.5°	484.8	472.9	462.5	458.0	456.5
65°	428.3	419.4	407.5	403.0	403.0
67.5°	371.8	364.3	353.9	349.5	351.0
70°	316.8	312.3	304.9	298.9	297.4
72.5°	266.2	260.2	252.8	251.3	251.3
75°	218.6	211.2	205.2	202.2	206.7
77.5°	169.5	165.1	162.1	160.6	162.1
80°	126.4	120.5	119.0	120.5	120.5
82.5°	87.7	84.8	83.3	83.3	83.3
85°	49.1	49.1	47.6	46.1	44.6
87.5°	19.3	19.3	20.8	20.8	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)