

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: P995522

Luminaire Tested: 22D3X-LP-WD-40-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995522
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-40-L940.ies
Description: 2x2 D3X-LP AT 4000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

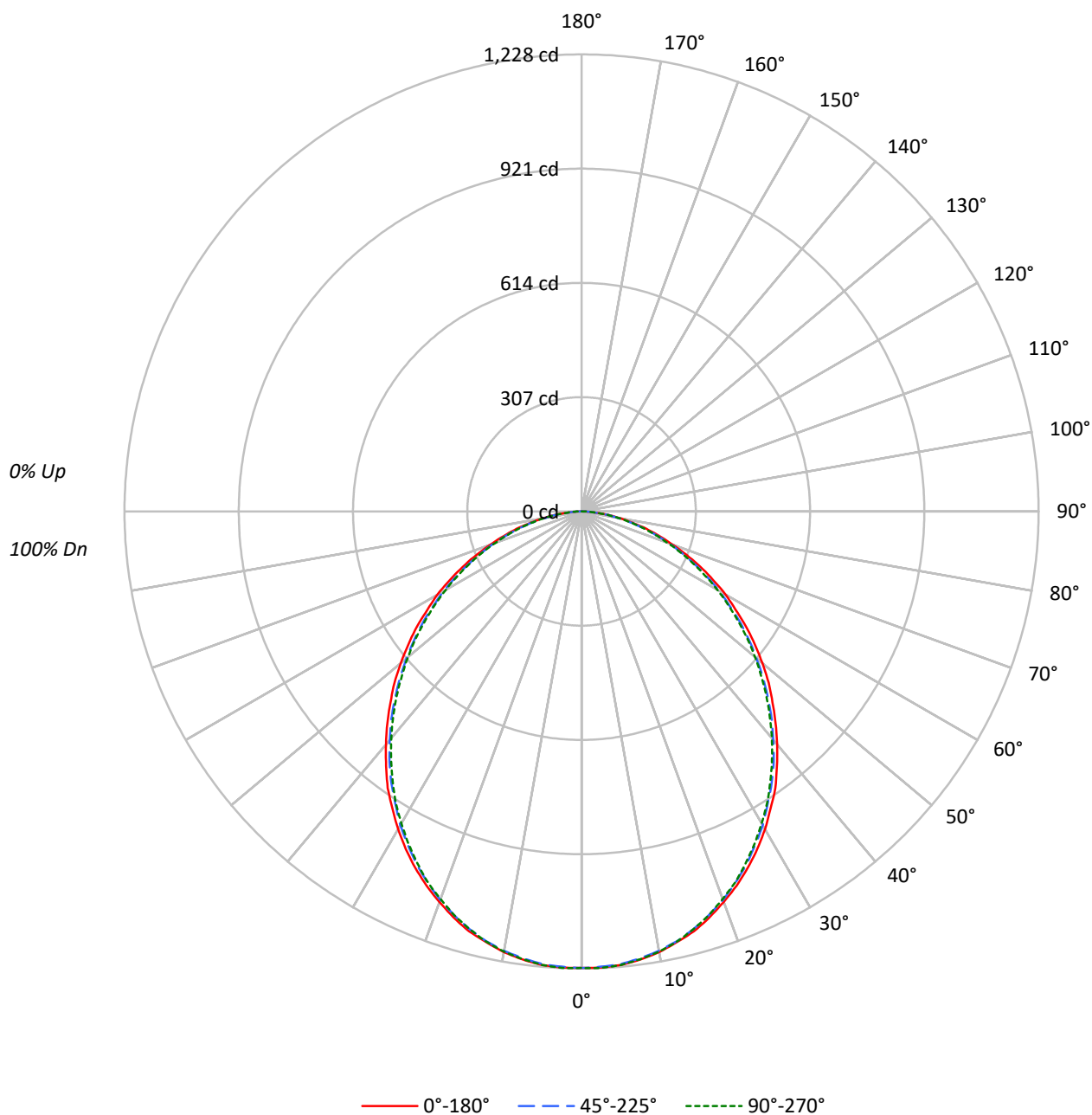
Lumens per Lamp: N/A
Luminaire Lumens: 3065.4 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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°	3301	3301	3301
5°	3304	3297	3304
10°	3285	3275	3282
15°	3254	3237	3237
20°	3198	3180	3174
25°	3138	3109	3098
30°	3064	3026	3007
35°	2982	2926	2906
40°	2871	2816	2794
45°	2762	2697	2673
50°	2655	2568	2547
55°	2533	2442	2408
60°	2407	2301	2268
65°	2241	2132	2108
70°	2047	1971	1923
75°	1867	1753	1765
80°	1610	1514	1534
85°	1244	1207	1133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.8
10°-20°	327.6	10.7
20°-30°	482.6	15.7
30°-40°	558.2	18.2
40°-50°	548.8	17.9
50°-60°	467.7	15.3
60°-70°	335.1	10.9
70°-80°	182.0	5.9
80°-90°	47.5	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°	926.1	30.2
0°-40°	1484.3	48.4
0°-60°	2500.8	81.6
0°-90°	3065.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3065.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1223	1221	1221	1221	1223	116
15°	1168	1163	1162	1161	1162	329
25°	1057	1052	1047	1045	1043	486
35°	908	900	891	886	885	566
45°	726	721	709	702	702	561
55°	540	530	520	514	513	482
65°	352	345	335	331	331	349
75°	180	174	169	166	170	190
85°	40	40	39	38	37	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.7	1226.7	1226.7	1226.7	1226.7
2.5°	1226.7	1225.5	1224.3	1225.5	1227.9
5°	1223.0	1220.6	1220.6	1220.6	1223.0
7.5°	1214.5	1212.0	1210.8	1212.0	1213.3
10°	1202.3	1199.8	1198.6	1199.8	1201.0
12.5°	1185.2	1183.9	1182.7	1182.7	1183.9
15°	1168.0	1163.2	1161.9	1160.7	1161.9
17.5°	1143.6	1142.4	1137.5	1137.5	1137.5
20°	1116.7	1114.3	1110.6	1108.2	1108.2
22.5°	1088.6	1086.2	1080.1	1077.6	1078.9
25°	1056.9	1052.0	1047.1	1044.6	1043.4
27.5°	1022.7	1017.8	1010.4	1006.8	1006.8
30°	986.0	982.3	973.8	968.9	967.7
32.5°	945.7	943.2	931.0	928.6	928.6
35°	907.8	900.5	890.7	885.8	884.6
37.5°	862.6	857.7	847.9	841.8	840.6
40°	817.4	811.3	801.5	796.6	795.4
42.5°	772.2	766.1	756.3	750.2	749.0
45°	725.8	720.9	708.6	702.5	702.5
47.5°	681.8	672.0	661.0	656.1	654.9
50°	634.1	625.6	613.3	608.5	608.5
52.5°	586.5	580.4	566.9	564.5	562.0
55°	540.0	530.3	520.5	514.4	513.2
57.5°	489.9	481.4	471.6	466.7	466.7
60°	447.2	436.2	427.6	421.5	421.5
62.5°	398.3	388.5	380.0	376.3	375.1
65°	351.9	344.6	334.8	331.1	331.1
67.5°	305.5	299.3	290.8	287.1	288.3
70°	260.2	256.6	250.5	245.6	244.4
72.5°	218.7	213.8	207.7	206.5	206.5
75°	179.6	173.5	168.6	166.2	169.8
77.5°	139.3	135.6	133.2	132.0	133.2
80°	103.9	99.0	97.7	99.0	99.0
82.5°	72.1	69.6	68.4	68.4	68.4
85°	40.3	40.3	39.1	37.9	36.7
87.5°	15.9	15.9	17.1	17.1	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)