

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: P601214

Luminaire Tested: 14D3X-LP-20-L935

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/6/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-20-L935
Description: 1x4 D3X-LP AT 2000lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

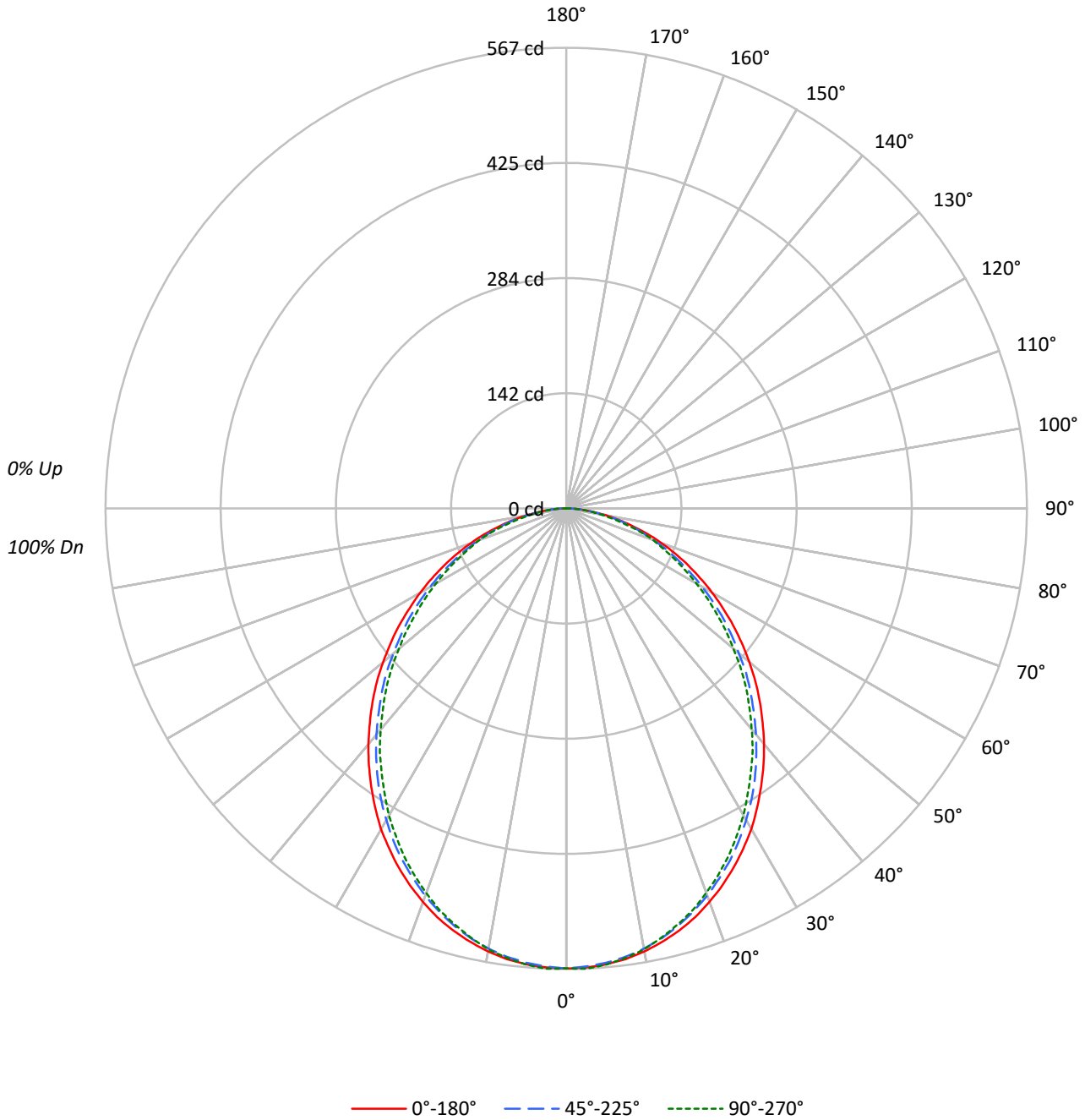
Lumens per Lamp: N/A
Luminaire Lumens: 1401.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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				10	0
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1524	1524	1524
5°	1522	1517	1523
10°	1513	1504	1506
15°	1499	1482	1477
20°	1476	1453	1442
25°	1448	1418	1402
30°	1416	1376	1355
35°	1374	1330	1301
40°	1331	1276	1248
45°	1283	1221	1192
50°	1231	1161	1124
55°	1177	1106	1060
60°	1116	1039	997
65°	1053	974	932
70°	980	907	895
75°	881	839	778
80°	776	725	668
85°	627	627	614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1283 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	3.8
10°-20°	150.2	10.7
20°-30°	220.3	15.7
30°-40°	253.7	18.1
40°-50°	249.0	17.8
50°-60°	211.8	15.1
60°-70°	153.2	10.9
70°-80°	85.6	6.1
80°-90°	23.8	1.7
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°	423.9	30.3
0°-40°	677.6	48.4
0°-60°	1138.4	81.3
0°-90°	1401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	563	563	562	563	564	53
15°	538	536	532	531	530	152
25°	488	484	478	474	472	225
35°	418	413	405	399	396	262
45°	337	330	321	315	313	260
55°	251	244	236	229	226	224
65°	165	161	153	147	146	164
75°	85	84	81	76	75	91
85°	20	21	20	20	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	566.3	566.3	566.3	566.3	566.3
2.5°	565.6	565.6	564.4	566.7	567.0
5°	563.3	563.3	561.5	563.3	563.7
7.5°	559.7	558.9	556.7	558.2	558.2
10°	553.8	553.0	550.4	550.8	551.2
12.5°	546.4	545.3	542.0	541.6	541.2
15°	537.9	536.1	532.0	531.3	530.2
17.5°	527.6	525.0	520.2	519.1	518.4
20°	515.4	512.1	507.3	504.8	503.7
22.5°	502.2	498.5	492.6	490.0	488.6
25°	487.8	483.8	477.5	473.8	472.3
27.5°	472.0	467.5	460.9	456.1	454.3
30°	455.8	450.2	442.9	438.1	436.2
32.5°	437.3	431.4	424.4	418.5	416.0
35°	418.2	412.7	404.9	398.7	396.1
37.5°	398.7	393.5	384.3	378.8	376.9
40°	378.8	372.9	363.3	356.6	355.2
42.5°	357.8	352.6	341.9	336.4	333.8
45°	337.1	330.5	320.9	314.6	313.2
47.5°	316.1	308.8	300.3	293.3	291.4
50°	294.0	287.4	277.4	271.2	268.6
52.5°	272.3	266.4	256.4	249.4	247.6
55°	250.9	244.3	235.8	229.2	225.9
57.5°	228.4	223.3	214.4	208.2	205.6
60°	207.4	201.5	193.1	187.9	185.3
62.5°	186.1	180.2	173.2	167.6	165.4
65°	165.4	161.0	152.9	147.0	146.3
67.5°	144.8	141.1	134.1	128.2	128.6
70°	124.5	121.2	115.3	111.6	113.8
72.5°	105.4	103.5	96.9	94.3	95.4
75°	84.7	83.6	80.7	75.9	74.8
77.5°	67.4	68.2	64.8	59.0	57.5
80°	50.1	51.9	46.8	44.9	43.1
82.5°	34.6	37.2	32.8	31.3	30.6
85°	20.3	21.4	20.3	19.9	19.9
87.5°	8.5	9.9	9.9	10.3	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)