

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: P601255

Luminaire Tested: 14D3X-LP-55-L930

Issue Date: 10/6/2023

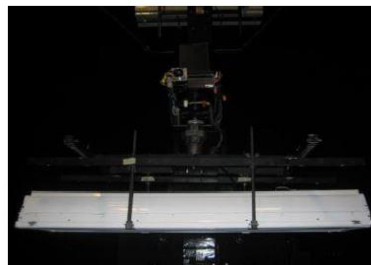
**Test Information**

Test Method: LM-79-2019  
Report Number: P601255  
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-55-L930  
Description: 1x4 D3X-LP AT 5500lm 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

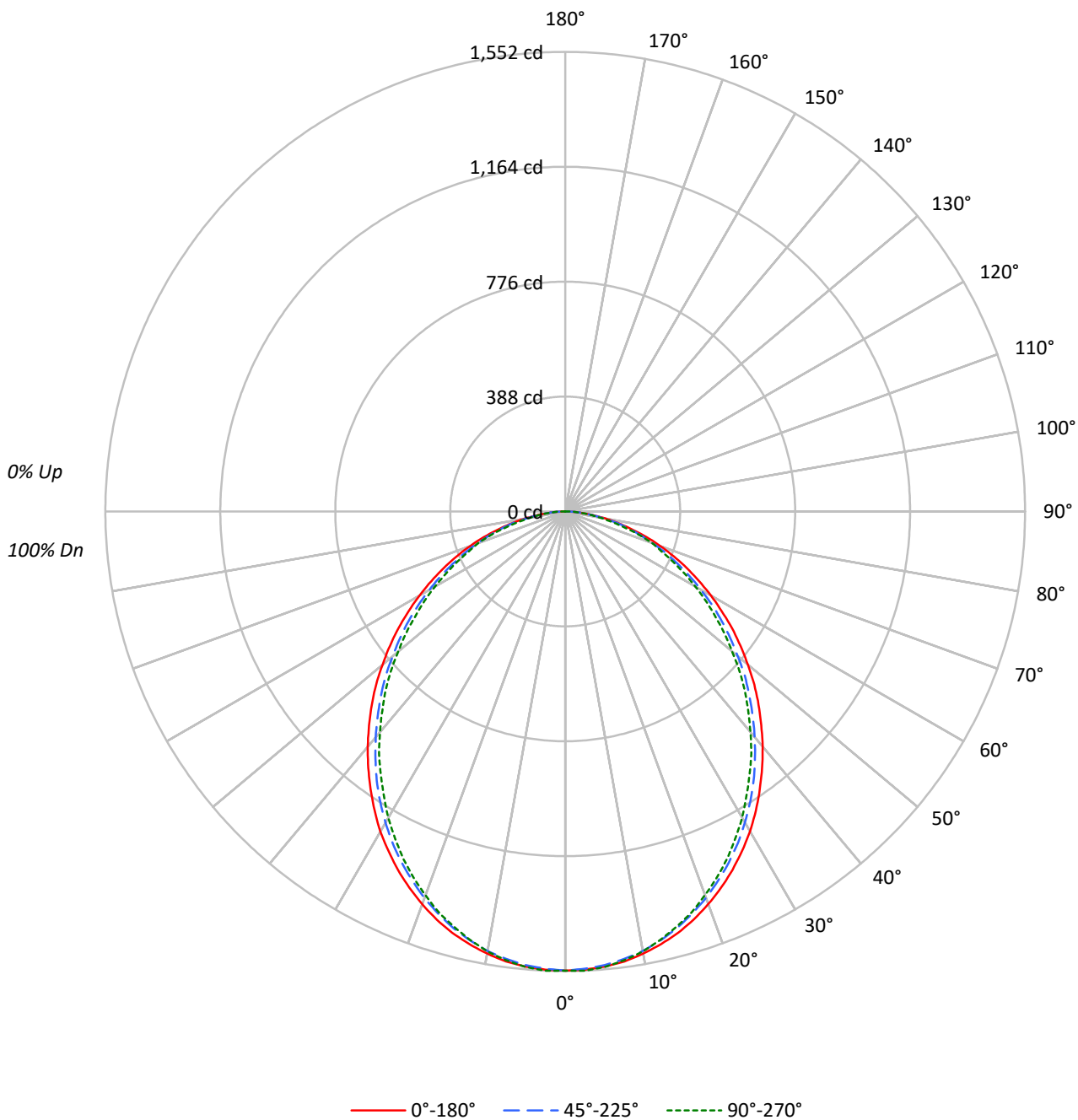
Lumens per Lamp: N/A  
Luminaire Lumens: 3836.0 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 54.1  
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°	4172	4172	4172
5°	4167	4153	4169
10°	4143	4118	4124
15°	4103	4058	4044
20°	4042	3978	3949
25°	3966	3882	3840
30°	3878	3768	3711
35°	3761	3642	3563
40°	3643	3494	3416
45°	3513	3344	3263
50°	3370	3180	3079
55°	3223	3029	2901
60°	3057	2845	2731
65°	2884	2666	2550
70°	2683	2485	2452
75°	2412	2297	2129
80°	2126	1985	1829
85°	1714	1714	1683

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3513 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.1	3.8
10°-20°	411.3	10.7
20°-30°	603.2	15.7
30°-40°	694.7	18.1
40°-50°	681.7	17.8
50°-60°	580.0	15.1
60°-70°	419.4	10.9
70°-80°	234.3	6.1
80°-90°	65.3	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°	1160.6	30.3
0°-40°	1855.3	48.4
0°-60°	3117.1	81.3
0°-90°	3836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1550	1550	1550	1550	1550	
5°	1542	1542	1537	1542	1544	146
15°	1473	1468	1457	1455	1452	415
25°	1336	1325	1307	1297	1293	615
35°	1145	1130	1109	1092	1084	716
45°	923	905	879	862	858	712
55°	687	669	646	628	618	614
65°	453	441	419	402	400	449
75°	232	229	221	208	205	249
85°	56	58	56	54	54	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1548.5	1548.5	1545.5	1551.5	1552.5
5°	1542.5	1542.5	1537.4	1542.5	1543.5
7.5°	1532.4	1530.4	1524.3	1528.3	1528.3
10°	1516.2	1514.2	1507.2	1508.2	1509.2
12.5°	1496.1	1493.0	1483.9	1482.9	1481.9
15°	1472.9	1467.8	1456.7	1454.7	1451.7
17.5°	1444.6	1437.5	1424.4	1421.4	1419.4
20°	1411.3	1402.2	1389.1	1382.1	1379.0
22.5°	1375.0	1364.9	1348.8	1341.7	1337.7
25°	1335.7	1324.6	1307.4	1297.3	1293.3
27.5°	1292.3	1280.2	1262.0	1248.9	1243.9
30°	1247.9	1232.8	1212.6	1199.5	1194.4
32.5°	1197.4	1181.3	1162.1	1146.0	1138.9
35°	1145.0	1129.9	1108.7	1091.5	1084.5
37.5°	1091.5	1077.4	1052.2	1037.0	1032.0
40°	1037.0	1020.9	994.7	976.5	972.5
42.5°	979.5	965.4	936.2	921.0	914.0
45°	923.1	904.9	878.7	861.5	857.5
47.5°	865.6	845.4	822.2	803.0	798.0
50°	805.0	786.9	759.6	742.5	735.4
52.5°	745.5	729.4	702.1	683.0	677.9
55°	687.0	668.8	645.6	627.5	618.4
57.5°	625.5	611.3	587.1	570.0	562.9
60°	568.0	551.8	528.6	514.5	507.4
62.5°	509.4	493.3	474.1	459.0	453.0
65°	453.0	440.8	418.7	402.5	400.5
67.5°	396.5	386.4	367.2	351.1	352.1
70°	341.0	331.9	315.8	305.7	311.7
72.5°	288.5	283.5	265.3	258.3	261.3
75°	232.0	229.0	220.9	207.8	204.8
77.5°	184.6	186.6	177.5	161.4	157.4
80°	137.2	142.2	128.1	123.1	118.0
82.5°	94.8	101.9	89.8	85.7	83.7
85°	55.5	58.5	55.5	54.5	54.5
87.5°	23.2	27.2	27.2	28.2	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)