

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257551

Luminaire Tested: **D3X-WO-44L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257551  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-44L940-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3917.2 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

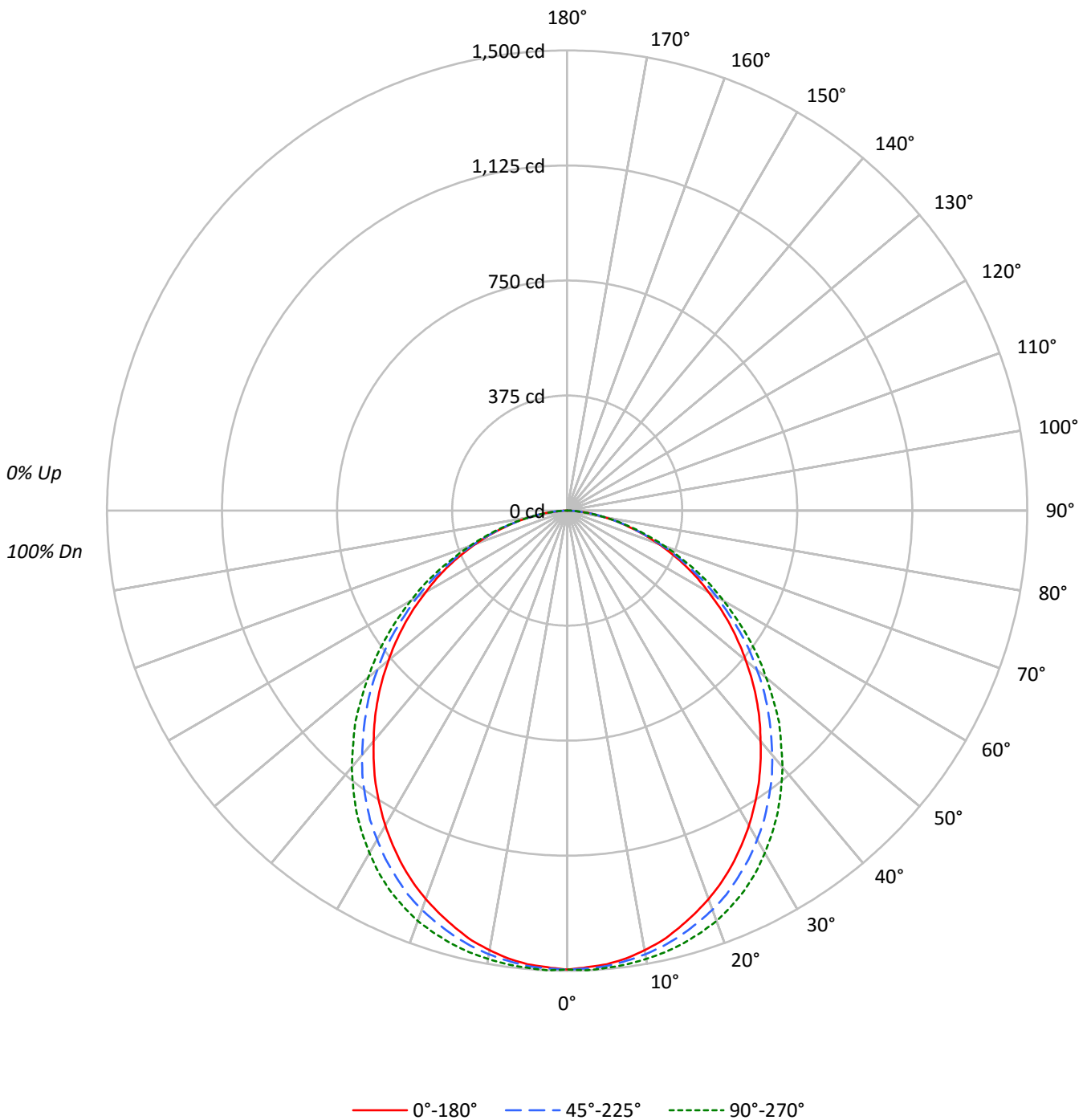
Input Watts (W): 39.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	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	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4026	4026	4026
5°	4009	4025	4041
10°	3976	4013	4056
15°	3923	3994	4070
20°	3859	3966	4077
25°	3782	3915	4059
30°	3685	3848	4006
35°	3575	3761	3934
40°	3446	3652	3837
45°	3325	3526	3719
50°	3185	3381	3544
55°	3038	3221	3377
60°	2866	3034	3170
65°	2707	2807	2943
70°	2486	2563	2655
75°	2210	2271	2332
80°	1905	1874	1874
85°	1445	1325	1204



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.5	3.6
10°-20°	404.5	10.3
20°-30°	607.3	15.5
30°-40°	714.7	18.2
40°-50°	712.9	18.2
50°-60°	611.8	15.6
60°-70°	438.2	11.2
70°-80°	232.0	5.9
80°-90°	54.3	1.4
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°	1153.3	29.4
0°-40°	1868.1	47.7
0°-60°	3192.8	81.5
0°-90°	3917.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3917.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1484	1484	1490	1494	1496	141
15°	1408	1414	1434	1453	1461	397
25°	1274	1285	1318	1352	1367	586
35°	1088	1102	1145	1184	1198	680
45°	874	887	926	960	977	673
55°	648	657	686	710	720	579
65°	425	427	441	458	462	420
75°	213	213	218	222	224	228
85°	47	45	43	39	39	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1496.0	1496.0	1496.0	1496.0	1496.0
2.5°	1490.1	1490.1	1494.0	1497.9	1499.9
5°	1484.3	1484.3	1490.1	1494.0	1496.0
7.5°	1472.6	1472.6	1480.4	1488.2	1492.1
10°	1455.0	1458.9	1468.7	1480.4	1484.3
12.5°	1435.5	1439.4	1453.0	1468.7	1474.5
15°	1408.2	1414.0	1433.5	1453.0	1460.9
17.5°	1378.9	1386.7	1410.1	1433.5	1443.3
20°	1347.7	1355.5	1384.8	1412.1	1423.8
22.5°	1312.6	1322.4	1355.5	1384.8	1396.5
25°	1273.6	1285.3	1318.5	1351.6	1367.2
27.5°	1230.7	1244.4	1281.4	1316.5	1330.2
30°	1185.8	1201.4	1238.5	1275.6	1289.2
32.5°	1137.1	1150.7	1195.6	1230.7	1244.4
35°	1088.3	1102.0	1144.9	1183.9	1197.5
37.5°	1035.7	1053.2	1096.1	1131.2	1144.9
40°	981.1	998.6	1039.6	1080.5	1092.2
42.5°	928.4	944.0	983.0	1020.1	1031.8
45°	873.8	887.4	926.4	959.6	977.2
47.5°	817.2	830.9	869.9	901.1	910.8
50°	760.7	774.3	807.5	834.8	846.5
52.5°	704.1	717.7	749.0	774.3	786.0
55°	647.5	657.3	686.5	709.9	719.7
57.5°	591.0	598.8	622.2	647.5	653.4
60°	532.5	542.2	563.7	581.2	589.0
62.5°	479.8	483.7	503.2	518.8	528.6
65°	425.2	427.1	440.8	458.3	462.2
67.5°	368.6	370.6	384.2	394.0	397.9
70°	316.0	316.0	325.7	333.5	337.4
72.5°	265.3	263.3	269.2	277.0	280.9
75°	212.6	212.6	218.4	222.3	224.3
77.5°	167.7	163.8	167.7	171.6	171.6
80°	122.9	120.9	120.9	122.9	120.9
82.5°	83.9	81.9	83.9	80.0	78.0
85°	46.8	44.9	42.9	39.0	39.0
87.5°	15.6	13.7	13.7	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)