

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: P257550

Luminaire Tested: **D3X-WO-44L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257550  
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-44L935-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3818.2 lumens  
Efficiency: N/A  
Efficacy: 96.4 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

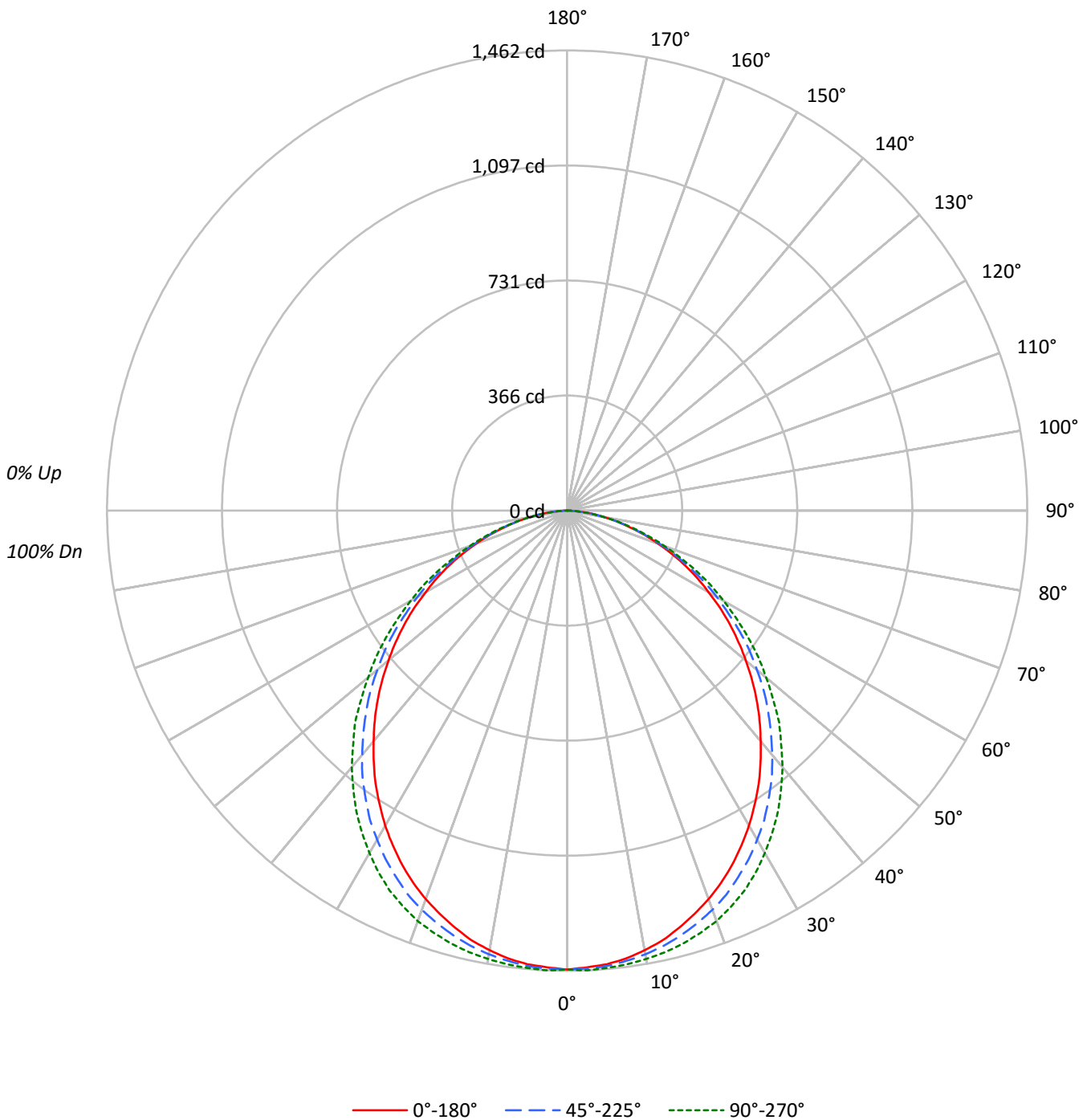
Input Watts (W): 39.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3924	3924	3924
5°	3908	3923	3939
10°	3875	3912	3953
15°	3824	3893	3967
20°	3762	3865	3974
25°	3686	3816	3957
30°	3592	3751	3905
35°	3485	3666	3835
40°	3359	3560	3740
45°	3241	3436	3625
50°	3104	3295	3454
55°	2961	3140	3291
60°	2793	2957	3090
65°	2639	2736	2869
70°	2423	2498	2588
75°	2154	2214	2273
80°	1857	1827	1827
85°	1408	1291	1173



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.0	3.6
10°-20°	394.3	10.3
20°-30°	592.0	15.5
30°-40°	696.7	18.2
40°-50°	694.9	18.2
50°-60°	596.3	15.6
60°-70°	427.1	11.2
70°-80°	226.2	5.9
80°-90°	52.9	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°	1124.2	29.4
0°-40°	1820.9	47.7
0°-60°	3112.1	81.5
0°-90°	3818.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3818.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1447	1447	1452	1456	1458	137
15°	1373	1378	1397	1416	1424	387
25°	1241	1253	1285	1318	1333	571
35°	1061	1074	1116	1154	1167	663
45°	852	865	903	935	952	656
55°	631	641	669	692	702	564
65°	414	416	430	447	451	409
75°	207	207	213	217	219	222
85°	46	44	42	38	38	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1458.2	1458.2	1458.2	1458.2	1458.2
2.5°	1452.4	1452.4	1456.3	1460.1	1462.0
5°	1446.7	1446.7	1452.4	1456.3	1458.2
7.5°	1435.3	1435.3	1442.9	1450.5	1454.4
10°	1418.2	1422.0	1431.5	1442.9	1446.7
12.5°	1399.2	1403.0	1416.3	1431.5	1437.2
15°	1372.6	1378.3	1397.3	1416.3	1423.9
17.5°	1344.1	1351.7	1374.5	1397.3	1406.8
20°	1313.7	1321.3	1349.8	1376.4	1387.8
22.5°	1279.4	1289.0	1321.3	1349.8	1361.2
25°	1241.4	1252.8	1285.2	1317.5	1332.7
27.5°	1199.6	1212.9	1249.0	1283.3	1296.6
30°	1155.9	1171.1	1207.2	1243.3	1256.6
32.5°	1108.3	1121.7	1165.4	1199.6	1212.9
35°	1060.8	1074.1	1116.0	1154.0	1167.3
37.5°	1009.5	1026.6	1068.4	1102.6	1116.0
40°	956.3	973.4	1013.3	1053.2	1064.6
42.5°	904.9	920.1	958.2	994.3	1005.7
45°	851.7	865.0	903.0	935.3	952.5
47.5°	796.6	809.9	847.9	878.3	887.8
50°	741.4	754.7	787.1	813.7	825.1
52.5°	686.3	699.6	730.0	754.7	766.1
55°	631.2	640.7	669.2	692.0	701.5
57.5°	576.0	583.6	606.5	631.2	636.9
60°	519.0	528.5	549.4	566.5	574.1
62.5°	467.7	471.5	490.5	505.7	515.2
65°	414.4	416.3	429.7	446.8	450.6
67.5°	359.3	361.2	374.5	384.0	387.8
70°	308.0	308.0	317.5	325.1	328.9
72.5°	258.6	256.7	262.4	270.0	273.8
75°	207.2	207.2	212.9	216.7	218.6
77.5°	163.5	159.7	163.5	167.3	167.3
80°	119.8	117.9	117.9	119.8	117.9
82.5°	81.7	79.8	81.7	77.9	76.0
85°	45.6	43.7	41.8	38.0	38.0
87.5°	15.2	13.3	13.3	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)