

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: P258485

Luminaire Tested: **D3X-WO-36L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-36L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2947.9 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

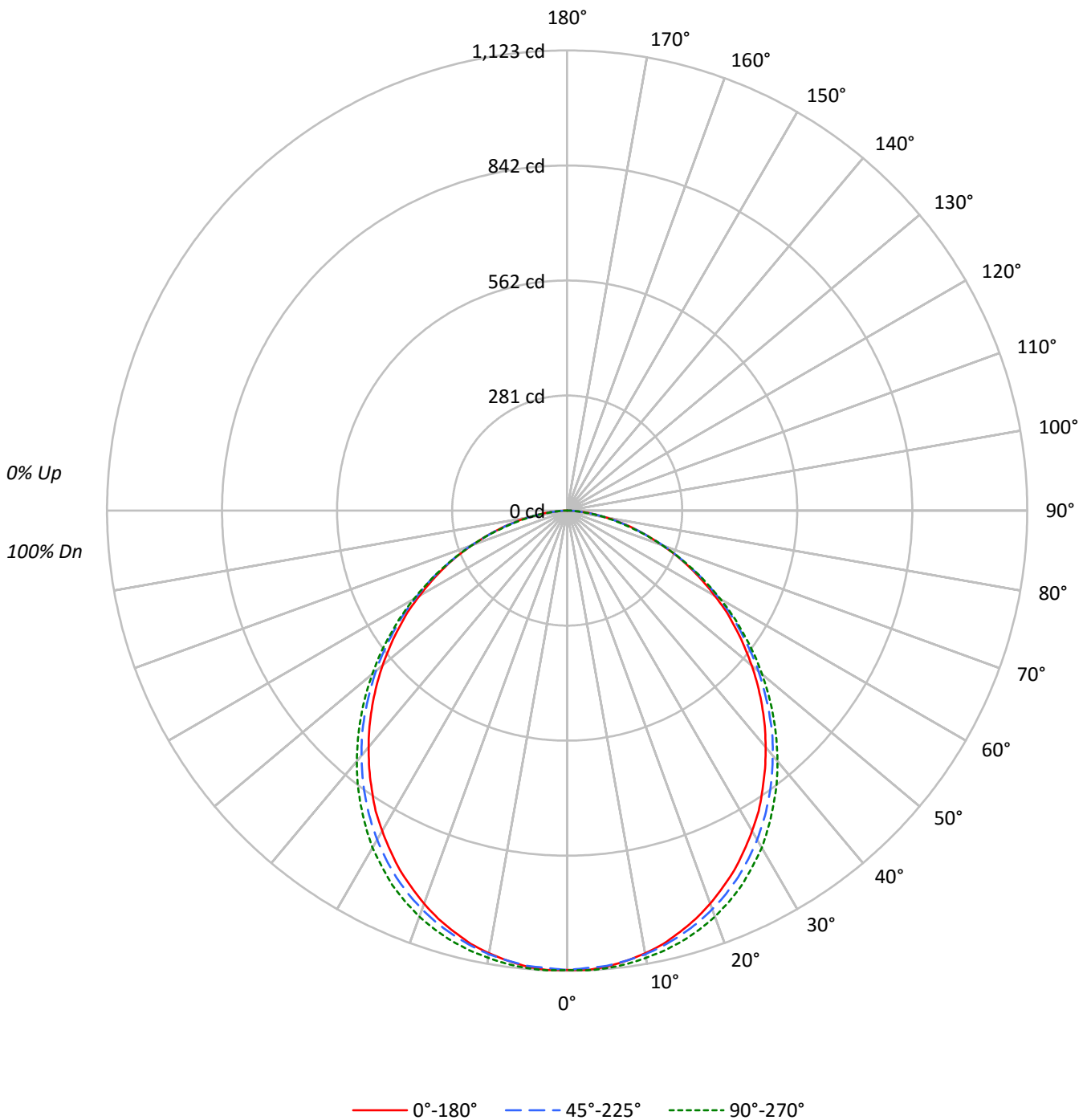
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	1508	1508	1508
5°	1509	1506	1514
10°	1499	1502	1514
15°	1483	1494	1515
20°	1462	1483	1510
25°	1436	1465	1498
30°	1402	1441	1476
35°	1365	1409	1442
40°	1324	1371	1402
45°	1279	1326	1355
50°	1231	1276	1299
55°	1179	1216	1235
60°	1120	1149	1163
65°	1056	1072	1078
70°	969	981	969
75°	872	867	842
80°	738	731	708
85°	551	537	475



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.1	3.6
10°-20°	303.2	10.3
20°-30°	454.6	15.4
30°-40°	535.4	18.2
40°-50°	535.5	18.2
50°-60°	462.0	15.7
60°-70°	332.5	11.3
70°-80°	176.4	6.0
80°-90°	42.1	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°	864.0	29.3
0°-40°	1399.4	47.5
0°-60°	2397.0	81.3
0°-90°	2947.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2947.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1117	1116	1115	1119	1121	106
15°	1064	1068	1072	1083	1087	300
25°	967	973	987	1004	1009	445
35°	831	841	858	873	878	520
45°	672	681	697	709	712	519
55°	502	507	518	527	526	450
65°	332	333	337	339	339	328
75°	168	166	167	163	162	179
85°	36	36	35	32	31	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1121.1	1121.1	1121.1	1121.1	1121.1
2.5°	1122.1	1120.1	1117.2	1121.1	1123.1
5°	1117.2	1116.2	1115.2	1119.1	1121.1
7.5°	1108.2	1109.2	1108.2	1114.2	1116.2
10°	1097.3	1098.3	1099.3	1106.2	1108.2
12.5°	1083.4	1084.4	1087.4	1096.3	1099.3
15°	1064.5	1067.5	1072.5	1083.4	1087.4
17.5°	1044.7	1048.6	1055.6	1068.5	1072.5
20°	1020.8	1025.8	1035.7	1049.6	1054.6
22.5°	994.0	999.0	1012.9	1027.8	1032.8
25°	967.2	973.2	987.1	1004.0	1008.9
27.5°	935.4	943.4	958.3	975.2	979.1
30°	902.7	909.6	927.5	943.4	950.3
32.5°	869.9	876.8	893.7	909.6	914.6
35°	831.2	841.1	858.0	872.9	877.8
37.5°	793.4	802.4	820.2	835.1	840.1
40°	753.7	761.7	780.5	794.4	798.4
42.5°	714.0	721.9	740.8	751.7	755.7
45°	672.3	681.2	697.1	709.0	712.0
47.5°	630.6	637.5	652.4	663.3	667.3
50°	587.9	594.8	609.7	618.7	620.6
52.5°	545.2	550.1	564.0	572.0	575.0
55°	502.5	507.4	518.4	527.3	526.3
57.5°	461.8	463.7	474.7	480.6	480.6
60°	416.1	418.1	427.0	431.0	432.0
62.5°	373.4	376.4	383.3	384.3	384.3
65°	331.7	332.7	336.6	338.6	338.6
67.5°	290.0	289.0	292.9	292.9	292.0
70°	246.3	248.3	249.3	247.3	246.3
72.5°	206.6	205.6	205.6	204.6	204.6
75°	167.8	165.8	166.8	162.9	161.9
77.5°	132.1	129.1	128.1	126.1	124.1
80°	95.3	95.3	94.3	92.4	91.4
82.5°	63.6	63.6	62.6	60.6	58.6
85°	35.7	35.7	34.8	31.8	30.8
87.5°	11.9	11.9	11.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)