

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: P258486

Luminaire Tested: **D3X-WO-36L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258486  
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-36L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3057.4 lumens  
Efficiency: N/A  
Efficacy: 115.4 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

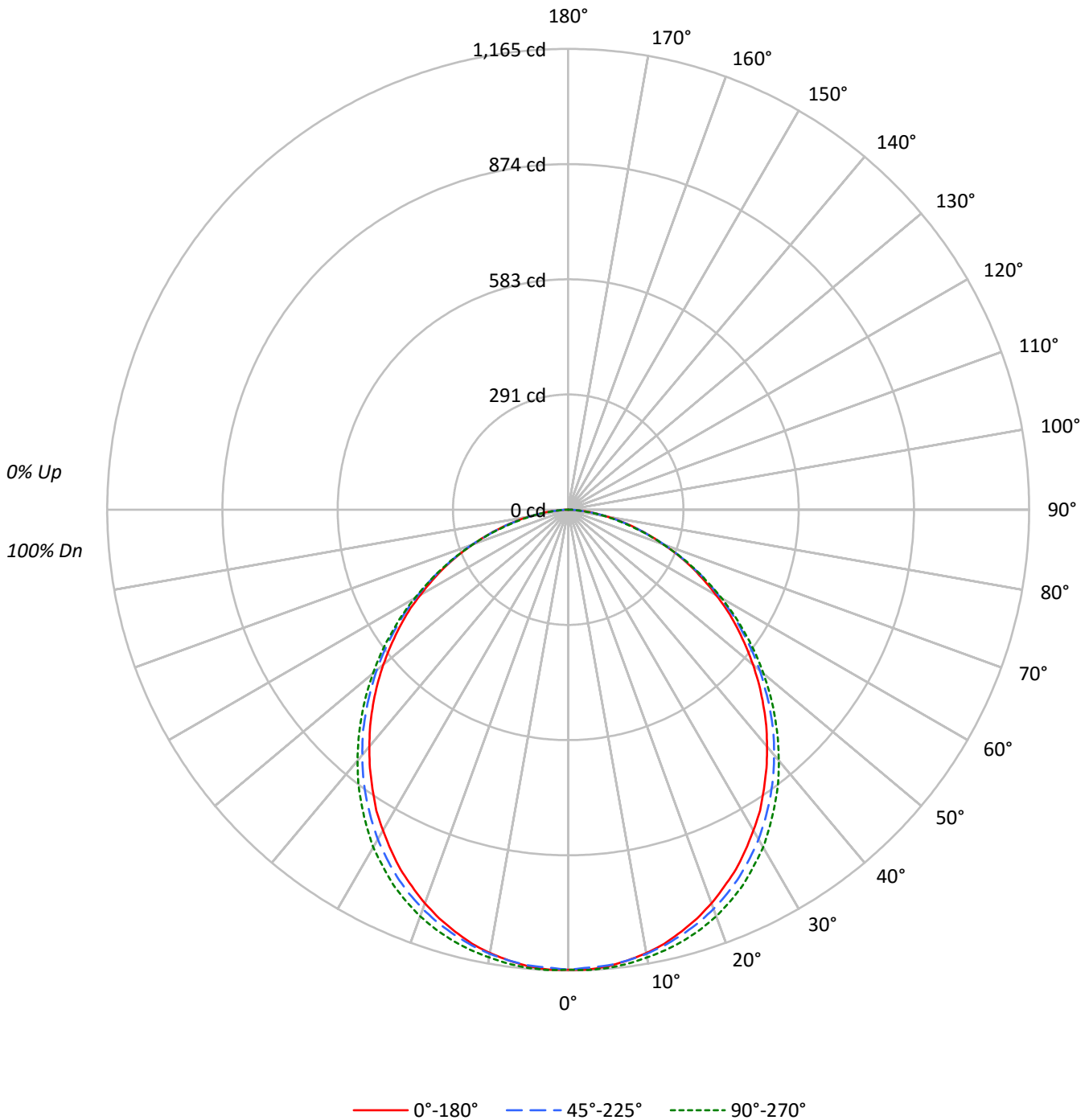
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1565	1565	1565
5°	1565	1562	1571
10°	1555	1558	1570
15°	1538	1549	1571
20°	1516	1538	1566
25°	1489	1520	1553
30°	1455	1495	1531
35°	1416	1462	1496
40°	1373	1422	1454
45°	1327	1376	1405
50°	1276	1324	1347
55°	1222	1261	1281
60°	1161	1192	1206
65°	1095	1111	1118
70°	1005	1017	1005
75°	905	899	873
80°	766	758	735
85°	573	556	492



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	3.6
10°-20°	314.5	10.3
20°-30°	471.5	15.4
30°-40°	555.3	18.2
40°-50°	555.4	18.2
50°-60°	479.2	15.7
60°-70°	344.8	11.3
70°-80°	182.9	6.0
80°-90°	43.6	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°	896.1	29.3
0°-40°	1451.4	47.5
0°-60°	2486.0	81.3
0°-90°	3057.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1159	1158	1157	1161	1163	110
15°	1104	1107	1112	1124	1128	311
25°	1003	1009	1024	1041	1046	461
35°	862	872	890	905	910	539
45°	697	706	723	735	738	538
55°	521	526	538	547	546	466
65°	344	345	349	351	351	340
75°	174	172	173	169	168	185
85°	37	37	36	33	32	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1162.8	1162.8	1162.8	1162.8	<i>1162.8</i>
2.5°	<i>1163.8</i>	<i>1161.8</i>	<i>1158.7</i>	<i>1162.8</i>	<i>1164.8</i>
5°	1158.7	1157.6	1156.6	1160.7	<i>1162.8</i>
7.5°	1149.4	1150.4	1149.4	1155.6	<i>1157.6</i>
10°	1138.1	1139.1	1140.1	1147.3	<i>1149.4</i>
12.5°	1123.7	1124.7	1127.8	1137.0	<i>1140.1</i>
15°	1104.1	1107.2	1112.3	1123.7	<i>1127.8</i>
17.5°	1083.5	1087.6	1094.8	1108.2	<i>1112.3</i>
20°	1058.8	1063.9	1074.2	1088.6	<i>1093.8</i>
22.5°	1031.0	1036.1	1050.5	1066.0	<i>1071.1</i>
25°	1003.1	1009.3	1023.7	1041.3	<i>1046.4</i>
27.5°	970.2	978.4	993.9	1011.4	<i>1015.5</i>
30°	936.2	943.4	962.0	978.4	<i>985.6</i>
32.5°	902.2	909.4	926.9	943.4	<i>948.6</i>
35°	862.0	872.3	889.9	905.3	<i>910.5</i>
37.5°	822.9	832.2	850.7	866.2	<i>871.3</i>
40°	781.7	790.0	809.5	823.9	<i>828.1</i>
42.5°	740.5	748.8	768.3	779.7	<i>783.8</i>
45°	697.3	706.5	723.0	735.4	<i>738.5</i>
47.5°	654.0	661.2	676.7	688.0	<i>692.1</i>
50°	609.7	616.9	632.4	641.6	<i>643.7</i>
52.5°	565.4	570.6	585.0	593.2	<i>596.3</i>
55°	521.1	526.3	537.6	546.9	<i>545.9</i>
57.5°	478.9	481.0	492.3	498.5	<i>498.5</i>
60°	431.5	433.6	442.9	447.0	<i>448.0</i>
62.5°	387.3	390.3	397.6	398.6	<i>398.6</i>
65°	344.0	345.0	349.1	351.2	<i>351.2</i>
67.5°	300.7	299.7	303.8	303.8	<i>302.8</i>
70°	255.4	257.5	258.5	256.5	<i>255.4</i>
72.5°	214.2	213.2	213.2	212.2	<i>212.2</i>
75°	174.1	172.0	173.0	168.9	<i>167.9</i>
77.5°	137.0	133.9	132.9	130.8	<i>128.7</i>
80°	98.9	98.9	97.8	95.8	<i>94.8</i>
82.5°	65.9	65.9	64.9	62.8	<i>60.8</i>
85°	37.1	37.1	36.0	33.0	<i>31.9</i>
87.5°	12.4	12.4	12.4	12.4	<i>12.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)