

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: P257297

Luminaire Tested: **D3X-WD-40L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-40L930-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3118.8 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

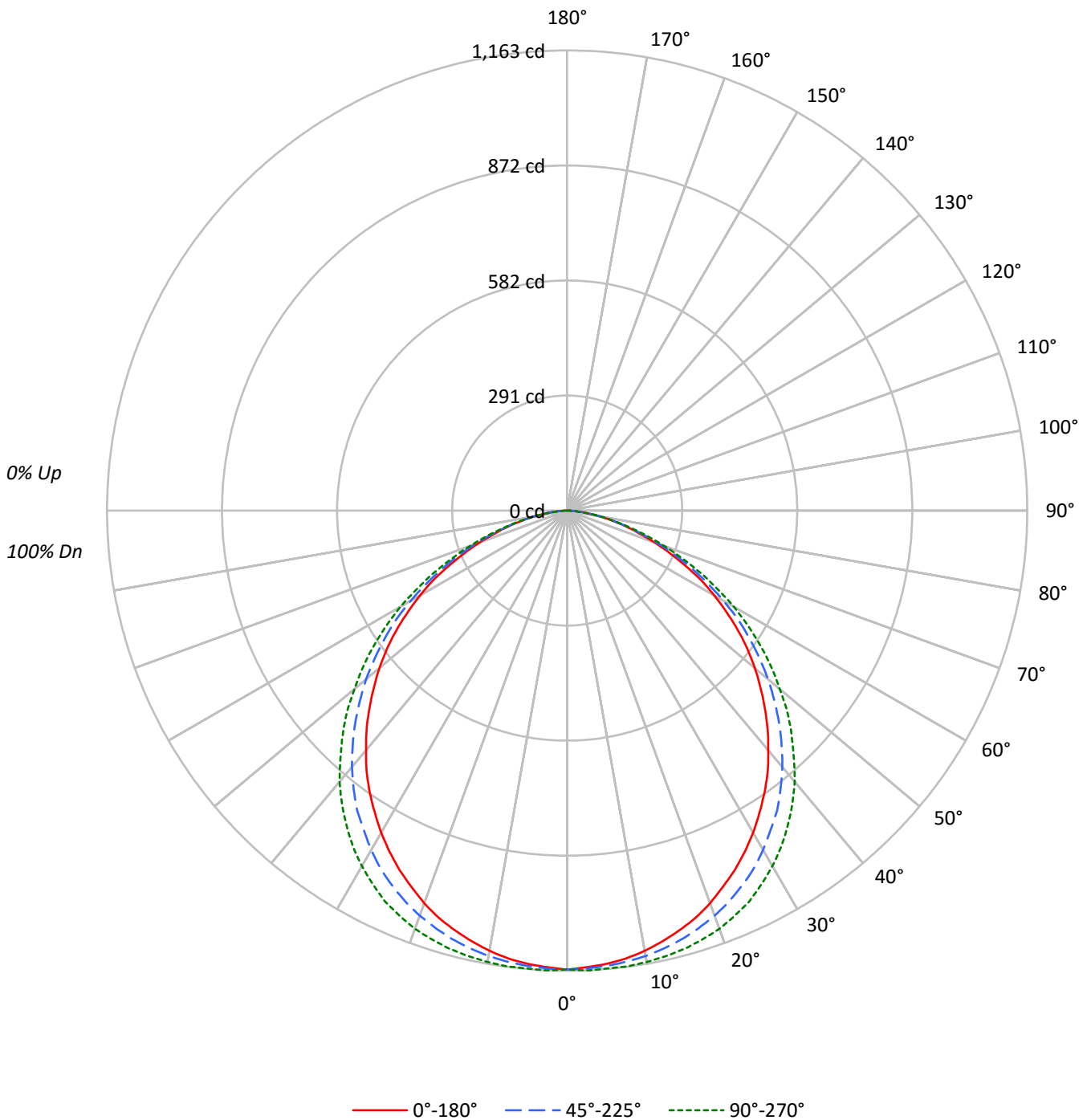
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	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°	3122	3122	3122
5°	3106	3120	3138
10°	3087	3124	3165
15°	3059	3124	3194
20°	3024	3120	3221
25°	2976	3105	3235
30°	2921	3078	3224
35°	2857	3039	3193
40°	2778	2972	3143
45°	2690	2881	3054
50°	2593	2776	2938
55°	2473	2639	2804
60°	2313	2457	2620
65°	2095	2223	2362
70°	1849	1942	2047
75°	1589	1623	1693
80°	1275	1300	1327
85°	932	831	831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.9	3.5
10°-20°	316.7	10.2
20°-30°	481.7	15.4
30°-40°	576.3	18.5
40°-50°	582.6	18.7
50°-60°	501.3	16.1
60°-70°	346.1	11.1
70°-80°	167.8	5.4
80°-90°	36.4	1.2
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°	908.3	29.1
0°-40°	1484.5	47.6
0°-60°	2568.5	82.4
0°-90°	3118.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1150	1152	1155	1160	1162	109
15°	1098	1105	1121	1138	1147	310
25°	1002	1014	1046	1078	1090	461
35°	870	885	925	959	972	544
45°	707	720	757	789	802	545
55°	527	536	562	588	598	470
65°	329	334	349	364	371	327
75°	153	149	156	161	163	162
85°	30	30	27	27	27	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1160.0	1160.0	1160.0	1160.0	<i>1160.0</i>
2.5°	<i>1155.0</i>	<i>1155.0</i>	<i>1158.4</i>	<i>1161.7</i>	<i>1163.4</i>
5°	1150.0	1151.6	1155.0	1160.0	<i>1161.7</i>
7.5°	1141.6	1143.2	1150.0	1158.4	<i>1161.7</i>
10°	1129.8	1133.2	1143.2	1153.3	<i>1158.4</i>
12.5°	1114.7	1121.4	1133.2	1146.6	<i>1153.3</i>
15°	1097.9	1104.6	1121.4	1138.2	<i>1146.6</i>
17.5°	1079.4	1086.2	1106.3	1128.1	<i>1136.5</i>
20°	1055.9	1066.0	1089.5	1114.7	<i>1124.8</i>
22.5°	1029.1	1042.5	1069.4	1096.2	<i>1108.0</i>
25°	1002.2	1014.0	1045.9	1077.8	<i>1089.5</i>
27.5°	972.0	985.4	1020.7	1052.6	<i>1064.3</i>
30°	940.1	953.5	990.5	1025.7	<i>1037.5</i>
32.5°	904.9	921.6	956.9	993.8	<i>1007.3</i>
35°	869.6	884.7	925.0	958.6	<i>972.0</i>
37.5°	832.7	846.1	886.4	921.6	<i>935.1</i>
40°	790.7	805.8	846.1	881.4	<i>894.8</i>
42.5°	750.4	765.5	802.5	836.0	<i>847.8</i>
45°	706.8	720.2	757.1	789.0	<i>802.5</i>
47.5°	663.1	678.2	710.1	742.0	<i>755.4</i>
50°	619.5	631.2	663.1	693.3	<i>701.7</i>
52.5°	574.1	584.2	612.8	639.6	<i>651.4</i>
55°	527.1	535.5	562.4	587.6	<i>597.6</i>
57.5°	476.8	486.8	512.0	530.5	<i>542.2</i>
60°	429.8	434.8	456.6	475.1	<i>486.8</i>
62.5°	382.8	384.4	401.2	419.7	<i>426.4</i>
65°	329.0	334.1	349.2	364.3	<i>371.0</i>
67.5°	280.4	285.4	297.1	308.9	<i>313.9</i>
70°	235.0	235.0	246.8	255.2	<i>260.2</i>
72.5°	189.7	191.4	199.8	204.8	<i>209.8</i>
75°	152.8	149.4	156.1	161.2	<i>162.8</i>
77.5°	114.2	112.5	117.5	119.2	<i>122.6</i>
80°	82.3	82.3	83.9	85.6	<i>85.6</i>
82.5°	53.7	53.7	55.4	52.0	<i>50.4</i>
85°	30.2	30.2	26.9	26.9	<i>26.9</i>
87.5°	10.1	10.1	10.1	11.8	<i>10.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)