

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: P258482

Luminaire Tested: **D3X-WO-36L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258482  
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-36L830-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3409.2 lumens  
Efficiency: N/A  
Efficacy: 128.6 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

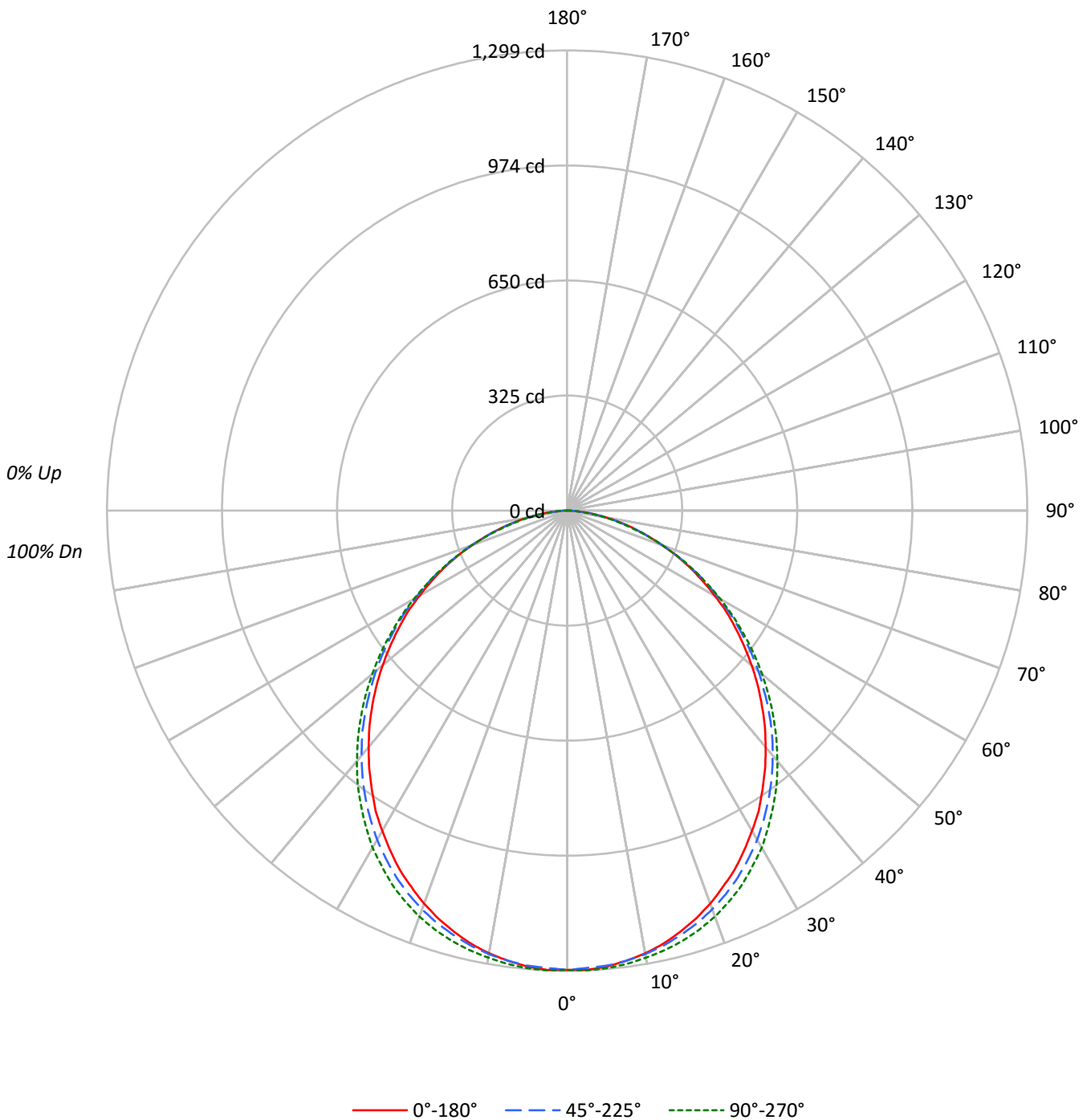
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1745	1745	1745
5°	1745	1742	1751
10°	1734	1737	1751
15°	1715	1728	1752
20°	1690	1715	1746
25°	1661	1695	1732
30°	1622	1666	1708
35°	1579	1630	1668
40°	1531	1586	1622
45°	1479	1534	1567
50°	1423	1476	1503
55°	1363	1406	1428
60°	1295	1329	1344
65°	1221	1239	1247
70°	1120	1134	1120
75°	1009	1003	973
80°	854	845	819
85°	638	621	550



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.8	3.6
10°-20°	350.7	10.3
20°-30°	525.8	15.4
30°-40°	619.2	18.2
40°-50°	619.3	18.2
50°-60°	534.4	15.7
60°-70°	384.5	11.3
70°-80°	203.9	6.0
80°-90°	48.6	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°	999.2	29.3
0°-40°	1618.4	47.5
0°-60°	2772.1	81.3
0°-90°	3409.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1292	1291	1290	1294	1297	123
15°	1231	1235	1240	1253	1258	347
25°	1119	1126	1142	1161	1167	515
35°	961	973	992	1010	1015	601
45°	778	788	806	820	823	600
55°	581	587	600	610	609	520
65°	384	385	389	392	392	379
75°	194	192	193	188	187	206
85°	41	41	40	37	36	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1297.7	1295.4	1292.0	1296.6	1298.9
5°	1292.0	1290.8	1289.7	1294.3	1296.6
7.5°	1281.7	1282.8	1281.7	1288.5	1290.8
10°	1269.0	1270.2	1271.3	1279.4	1281.7
12.5°	1252.9	1254.1	1257.5	1267.9	1271.3
15°	1231.1	1234.6	1240.3	1252.9	1257.5
17.5°	1208.2	1212.7	1220.8	1235.7	1240.3
20°	1180.6	1186.3	1197.8	1213.9	1219.6
22.5°	1149.6	1155.3	1171.4	1188.6	1194.4
25°	1118.6	1125.5	1141.5	1161.1	1166.8
27.5°	1081.8	1091.0	1108.2	1127.8	1132.4
30°	1043.9	1052.0	1072.6	1091.0	1099.1
32.5°	1006.0	1014.1	1033.6	1052.0	1057.7
35°	961.2	972.7	992.2	1009.5	1015.2
37.5°	917.6	927.9	948.6	965.8	971.6
40°	871.7	880.9	902.7	918.7	923.3
42.5°	825.7	834.9	856.7	869.4	874.0
45°	777.5	787.8	806.2	820.0	823.4
47.5°	729.3	737.3	754.5	767.2	771.7
50°	679.9	687.9	705.1	715.5	717.8
52.5°	630.5	636.2	652.3	661.5	664.9
55°	581.1	586.9	599.5	609.8	608.7
57.5°	534.0	536.3	549.0	555.8	555.8
60°	481.2	483.5	493.8	498.4	499.6
62.5°	431.8	435.3	443.3	444.4	444.4
65°	383.6	384.7	389.3	391.6	391.6
67.5°	335.3	334.2	338.8	338.8	337.6
70°	284.8	287.1	288.3	286.0	284.8
72.5°	238.9	237.7	237.7	236.6	236.6
75°	194.1	191.8	192.9	188.3	187.2
77.5°	152.7	149.3	148.1	145.9	143.6
80°	110.2	110.2	109.1	106.8	105.7
82.5°	73.5	73.5	72.4	70.1	67.8
85°	41.3	41.3	40.2	36.7	35.6
87.5°	13.8	13.8	13.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)