

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: P258492

Luminaire Tested: **D3X-WO-42L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258492  
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-42L935-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: 3524.1 lumens  
Efficiency: N/A  
Efficacy: 113.0 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

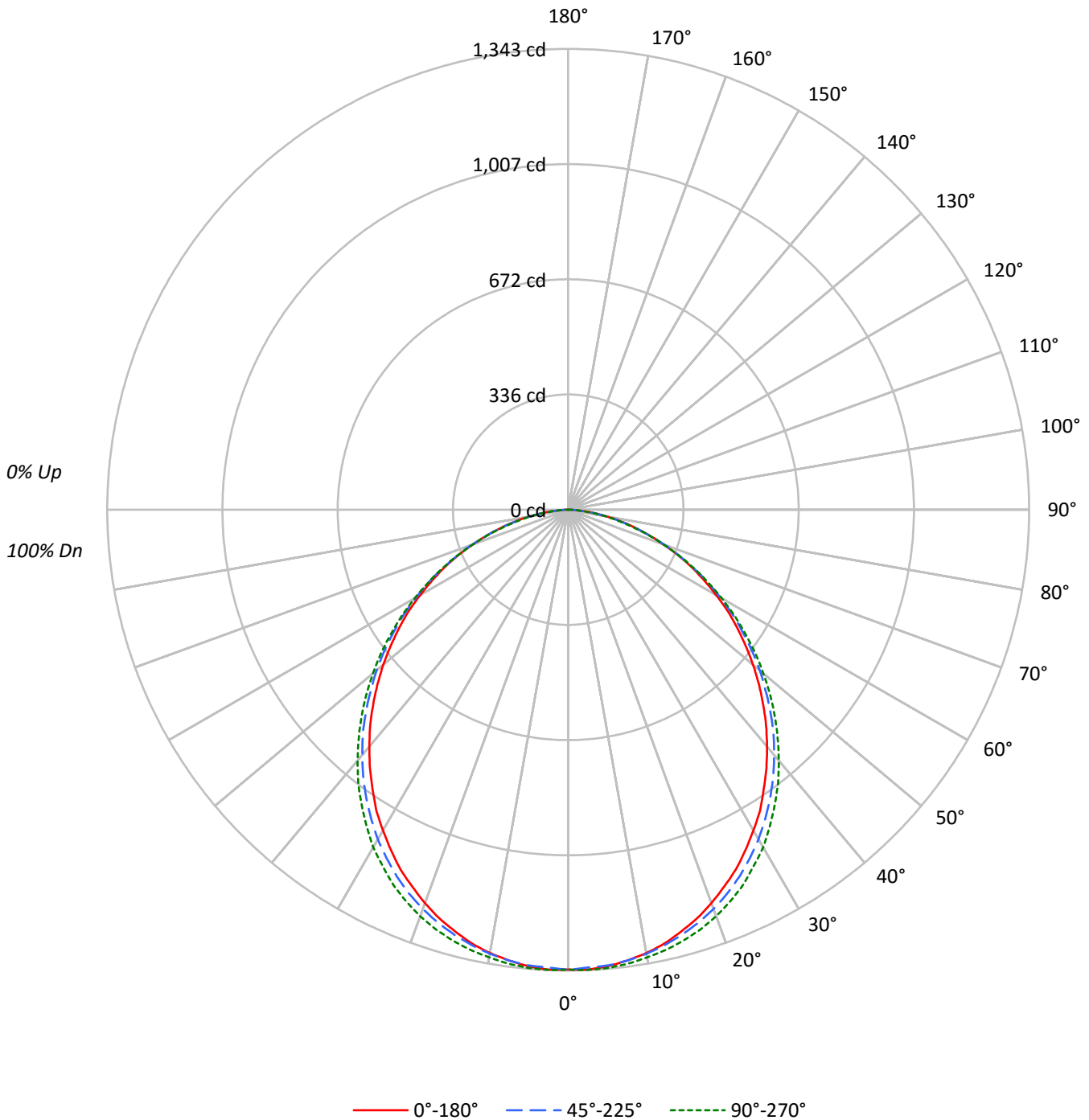
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1803	1803	1803
5°	1804	1801	1810
10°	1792	1796	1810
15°	1773	1786	1811
20°	1747	1773	1805
25°	1717	1752	1791
30°	1677	1723	1765
35°	1632	1685	1724
40°	1583	1639	1676
45°	1529	1586	1620
50°	1471	1526	1553
55°	1409	1454	1476
60°	1338	1374	1390
65°	1262	1281	1289
70°	1158	1172	1158
75°	1043	1037	1006
80°	883	874	846
85°	659	641	568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	3.6
10°-20°	362.5	10.3
20°-30°	543.5	15.4
30°-40°	640.1	18.2
40°-50°	640.2	18.2
50°-60°	552.4	15.7
60°-70°	397.5	11.3
70°-80°	210.8	6.0
80°-90°	50.3	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°	1032.9	29.3
0°-40°	1673.0	47.5
0°-60°	2865.5	81.3
0°-90°	3524.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3524.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1336	1334	1333	1338	1340	127
15°	1273	1276	1282	1295	1300	359
25°	1156	1163	1180	1200	1206	532
35°	994	1006	1026	1044	1049	622
45°	804	814	833	848	851	620
55°	601	607	620	630	629	538
65°	396	398	402	405	405	392
75°	201	198	199	195	194	213
85°	43	43	42	38	37	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1340.3	1340.3	1340.3	1340.3	1340.3
2.5°	1341.5	1339.1	1335.5	1340.3	1342.6
5°	1335.5	1334.3	1333.2	1337.9	1340.3
7.5°	1324.8	1326.0	1324.8	1332.0	1334.3
10°	1311.8	1313.0	1314.2	1322.5	1324.8
12.5°	1295.2	1296.4	1299.9	1310.6	1314.2
15°	1272.6	1276.2	1282.1	1295.2	1299.9
17.5°	1248.9	1253.6	1261.9	1277.4	1282.1
20°	1220.4	1226.3	1238.2	1254.8	1260.7
22.5°	1188.3	1194.3	1210.9	1228.7	1234.6
25°	1156.3	1163.4	1180.0	1200.2	1206.1
27.5°	1118.3	1127.8	1145.6	1165.8	1170.5
30°	1079.1	1087.4	1108.8	1127.8	1136.1
32.5°	1039.9	1048.2	1068.4	1087.4	1093.4
35°	993.6	1005.5	1025.7	1043.5	1049.4
37.5°	948.5	959.2	980.6	998.4	1004.3
40°	901.0	910.5	933.1	949.7	954.5
42.5°	853.5	863.0	885.6	898.7	903.4
45°	803.7	814.4	833.4	847.6	851.2
47.5°	753.8	762.1	779.9	793.0	797.8
50°	702.8	711.1	728.9	739.6	742.0
52.5°	651.7	657.7	674.3	683.8	687.4
55°	600.7	606.6	619.7	630.4	629.2
57.5°	552.0	554.4	567.5	574.6	574.6
60°	497.4	499.8	510.5	515.2	516.4
62.5°	446.4	449.9	458.2	459.4	459.4
65°	396.5	397.7	402.4	404.8	404.8
67.5°	346.6	345.5	350.2	350.2	349.0
70°	294.4	296.8	298.0	295.6	294.4
72.5°	246.9	245.7	245.7	244.5	244.5
75°	200.6	198.3	199.4	194.7	193.5
77.5°	157.9	154.3	153.1	150.8	148.4
80°	114.0	114.0	112.8	110.4	109.2
82.5°	76.0	76.0	74.8	72.4	70.0
85°	42.7	42.7	41.5	38.0	36.8
87.5°	14.2	14.2	14.2	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)