

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: P258498

Luminaire Tested: **D3X-WO-45L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258498  
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-45L935-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: 3807.6 lumens  
Efficiency: N/A  
Efficacy: 112.0 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

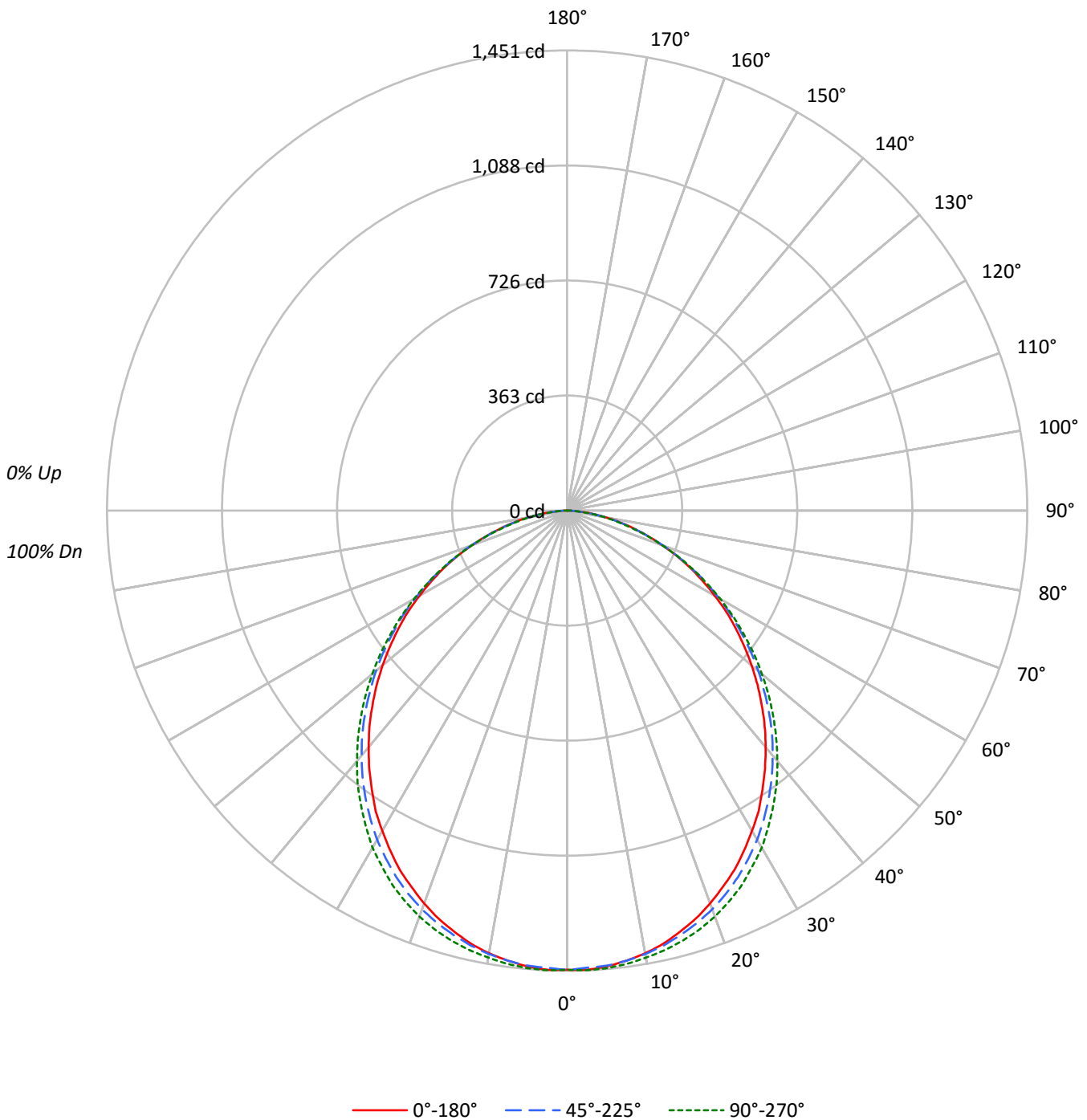
Input Watts (W): 34  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1948	1948	1948
5°	1949	1945	1956
10°	1936	1940	1956
15°	1915	1930	1956
20°	1888	1916	1950
25°	1855	1893	1935
30°	1811	1861	1907
35°	1763	1820	1862
40°	1710	1771	1811
45°	1652	1713	1750
50°	1589	1648	1678
55°	1522	1571	1595
60°	1446	1484	1501
65°	1364	1384	1393
70°	1251	1266	1251
75°	1127	1120	1087
80°	954	944	914
85°	713	693	614



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.1	3.6
10°-20°	391.7	10.3
20°-30°	587.2	15.4
30°-40°	691.6	18.2
40°-50°	691.7	18.2
50°-60°	596.8	15.7
60°-70°	429.4	11.3
70°-80°	227.8	6.0
80°-90°	54.3	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°	1116.0	29.3
0°-40°	1807.6	47.5
0°-60°	3096.0	81.3
0°-90°	3807.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3807.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1443	1442	1440	1446	1448	137
15°	1375	1379	1385	1399	1404	388
25°	1249	1257	1275	1297	1303	575
35°	1074	1086	1108	1127	1134	672
45°	868	880	900	916	920	670
55°	649	655	670	681	680	581
65°	428	430	435	437	437	424
75°	217	214	216	210	209	231
85°	46	46	45	41	40	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1448.1	1448.1	1448.1	1448.1	1448.1
2.5°	1449.4	1446.8	1443.0	1448.1	1450.7
5°	1443.0	1441.7	1440.4	1445.5	1448.1
7.5°	1431.4	1432.7	1431.4	1439.1	1441.7
10°	1417.3	1418.6	1419.9	1428.9	1431.4
12.5°	1399.4	1400.6	1404.5	1416.0	1419.9
15°	1375.0	1378.8	1385.2	1399.4	1404.5
17.5°	1349.3	1354.5	1363.4	1380.1	1385.2
20°	1318.5	1325.0	1337.8	1355.7	1362.2
22.5°	1283.9	1290.3	1308.3	1327.5	1333.9
25°	1249.3	1257.0	1274.9	1296.7	1303.2
27.5°	1208.2	1218.5	1237.7	1259.5	1264.7
30°	1165.9	1174.9	1198.0	1218.5	1227.5
32.5°	1123.6	1132.6	1154.4	1174.9	1181.3
35°	1073.6	1086.4	1108.2	1127.4	1133.8
37.5°	1024.8	1036.4	1059.5	1078.7	1085.1
40°	973.5	983.8	1008.1	1026.1	1031.2
42.5°	922.2	932.5	956.8	971.0	976.1
45°	868.3	879.9	900.4	915.8	919.6
47.5°	814.5	823.4	842.7	856.8	861.9
50°	759.3	768.3	787.5	799.1	801.6
52.5°	704.2	710.6	728.5	738.8	742.6
55°	649.0	655.4	669.5	681.1	679.8
57.5°	596.4	599.0	613.1	620.8	620.8
60°	537.4	540.0	551.5	556.7	557.9
62.5°	482.3	486.1	495.1	496.4	496.4
65°	428.4	429.7	434.8	437.4	437.4
67.5°	374.5	373.2	378.4	378.4	377.1
70°	318.1	320.7	321.9	319.4	318.1
72.5°	266.8	265.5	265.5	264.2	264.2
75°	216.8	214.2	215.5	210.4	209.1
77.5°	170.6	166.7	165.5	162.9	160.3
80°	123.1	123.1	121.8	119.3	118.0
82.5°	82.1	82.1	80.8	78.2	75.7
85°	46.2	46.2	44.9	41.0	39.8
87.5°	15.4	15.4	15.4	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)