

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: P258535

Luminaire Tested: **D3X-WO-80L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258535  
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-80L940-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6922.2 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

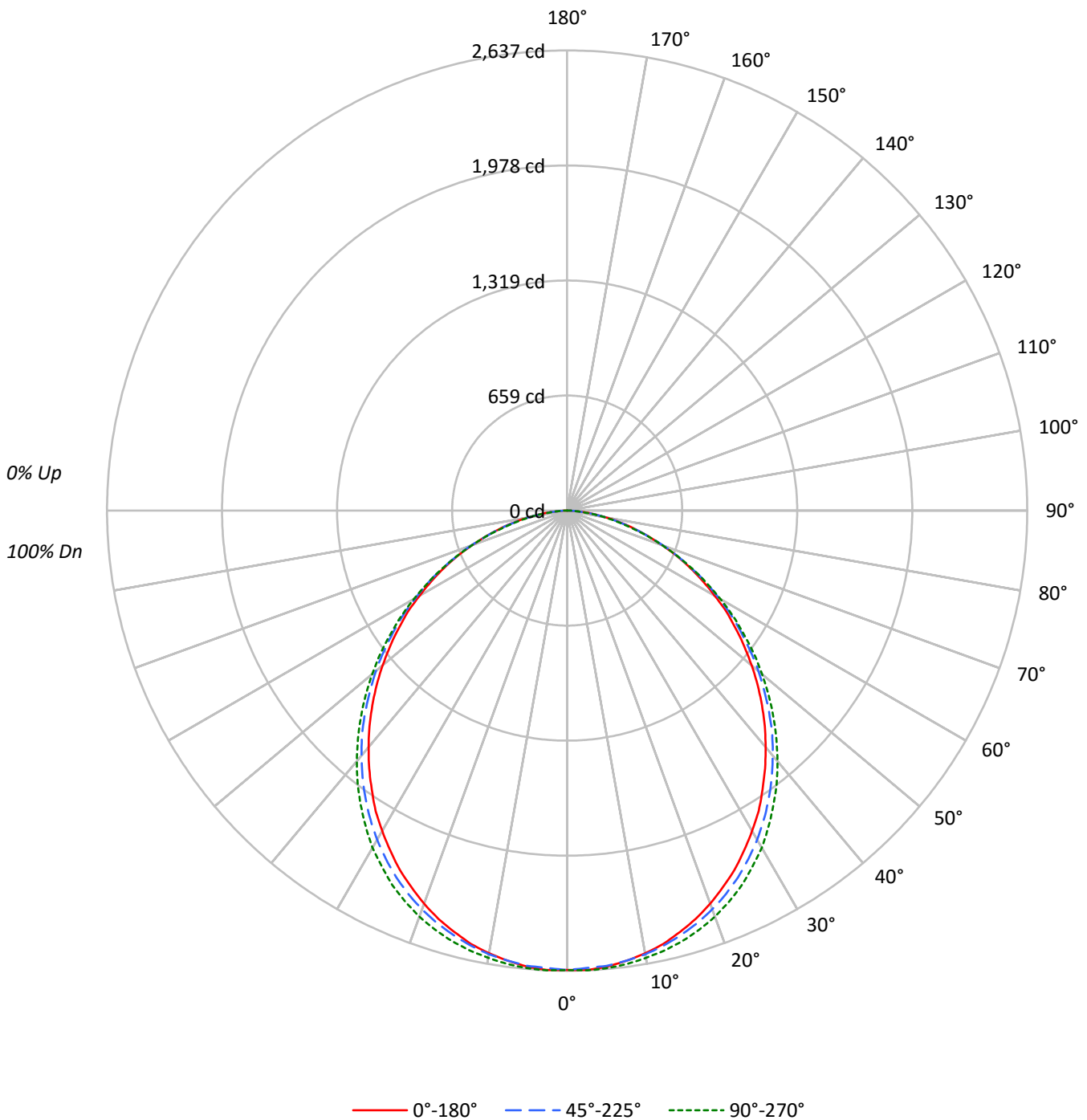
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3542	3542	3542
5°	3543	3537	3556
10°	3520	3527	3555
15°	3482	3508	3557
20°	3432	3482	3546
25°	3372	3441	3517
30°	3293	3384	3467
35°	3206	3309	3386
40°	3109	3219	3293
45°	3004	3115	3181
50°	2889	2997	3051
55°	2768	2855	2899
60°	2629	2698	2729
65°	2479	2517	2532
70°	2275	2303	2275
75°	2049	2036	1976
80°	1735	1716	1662
85°	1295	1260	1116



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.3	3.6
10°-20°	712.0	10.3
20°-30°	1067.6	15.4
30°-40°	1257.3	18.2
40°-50°	1257.5	18.2
50°-60°	1085.0	15.7
60°-70°	780.7	11.3
70°-80°	414.1	6.0
80°-90°	98.8	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°	2028.9	29.3
0°-40°	3286.2	47.5
0°-60°	5628.6	81.3
0°-90°	6922.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6922.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2633	2633	2633	2633	2633	
5°	2623	2621	2619	2628	2633	249
15°	2500	2507	2518	2544	2553	705
25°	2271	2285	2318	2358	2369	1045
35°	1952	1975	2015	2050	2061	1221
45°	1579	1600	1637	1665	1672	1218
55°	1180	1192	1217	1238	1236	1056
65°	779	781	790	795	795	770
75°	394	389	392	382	380	419
85°	84	84	82	75	72	101
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2632.6	2632.6	2632.6	2632.6	2632.6
2.5°	2635.0	2630.3	2623.3	2632.6	2637.3
5°	2623.3	2621.0	2618.7	2628.0	2632.6
7.5°	2602.3	2604.7	2602.3	2616.3	2621.0
10°	2576.7	2579.0	2581.3	2597.7	2602.3
12.5°	2544.0	2546.4	2553.4	2574.3	2581.3
15°	2499.7	2506.7	2518.4	2544.0	2553.4
17.5°	2453.1	2462.4	2478.7	2509.1	2518.4
20°	2397.1	2408.8	2432.1	2464.8	2476.4
22.5°	2334.2	2345.8	2378.5	2413.5	2425.1
25°	2271.2	2285.2	2317.8	2357.5	2369.1
27.5°	2196.6	2215.2	2250.2	2289.9	2299.2
30°	2119.6	2136.0	2177.9	2215.2	2231.6
32.5°	2042.7	2059.0	2098.7	2136.0	2147.6
35°	1951.7	1975.1	2014.7	2049.7	2061.3
37.5°	1863.1	1884.1	1926.1	1961.1	1972.7
40°	1769.9	1788.5	1832.8	1865.5	1874.8
42.5°	1676.6	1695.2	1739.5	1765.2	1774.5
45°	1578.7	1599.6	1636.9	1664.9	1671.9
47.5°	1480.7	1497.0	1532.0	1557.7	1567.0
50°	1380.4	1396.8	1431.7	1452.7	1457.4
52.5°	1280.2	1291.8	1324.5	1343.1	1350.1
55°	1179.9	1191.6	1217.2	1238.2	1235.9
57.5°	1084.3	1089.0	1114.6	1128.6	1128.6
60°	977.0	981.7	1002.7	1012.0	1014.3
62.5°	876.8	883.8	900.1	902.4	902.4
65°	778.8	781.2	790.5	795.2	795.2
67.5°	680.9	678.6	687.9	687.9	685.6
70°	578.3	583.0	585.3	580.6	578.3
72.5°	485.0	482.7	482.7	480.4	480.4
75°	394.1	389.4	391.7	382.4	380.1
77.5°	310.1	303.1	300.8	296.1	291.5
80°	223.9	223.9	221.5	216.9	214.5
82.5°	149.2	149.2	146.9	142.2	137.6
85°	83.9	83.9	81.6	74.6	72.3
87.5°	28.0	28.0	28.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)