

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: P258462

Luminaire Tested: **D3X-WG-67L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-67L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5129.1 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

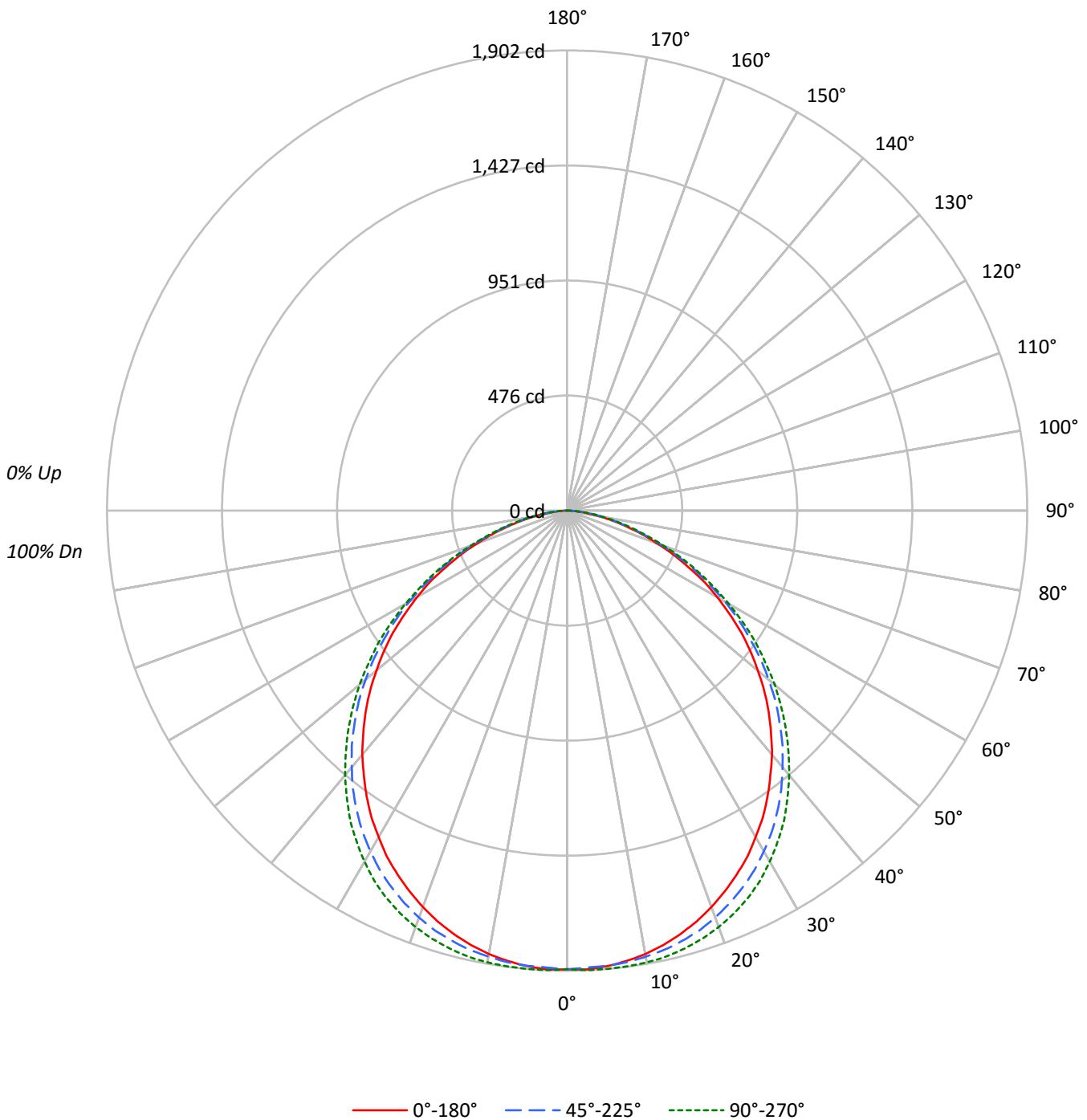
Input Watts (W): 53.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	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	47	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2551	2551	2551
5°	2553	2551	2568
10°	2543	2558	2591
15°	2523	2564	2611
20°	2497	2562	2623
25°	2463	2550	2624
30°	2421	2526	2603
35°	2372	2490	2568
40°	2314	2433	2507
45°	2241	2363	2433
50°	2154	2277	2346
55°	2060	2164	2232
60°	1928	2027	2077
65°	1761	1854	1901
70°	1547	1626	1670
75°	1308	1376	1423
80°	1039	1139	1168
85°	709	851	823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.2	3.5
10°-20°	520.1	10.1
20°-30°	790.5	15.4
30°-40°	943.2	18.4
40°-50°	952.6	18.6
50°-60°	820.7	16.0
60°-70°	572.1	11.2
70°-80°	283.5	5.5
80°-90°	66.1	1.3
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°	1490.8	29.1
0°-40°	2434.0	47.5
0°-60°	4207.3	82.0
0°-90°	5129.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5129.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1896	1896	1896	1896	1896	
5°	1891	1889	1889	1898	1902	180
15°	1812	1821	1841	1865	1874	511
25°	1659	1681	1718	1753	1768	764
35°	1444	1468	1516	1551	1564	903
45°	1178	1204	1242	1271	1279	908
55°	878	897	922	944	952	783
65°	553	564	582	588	597	549
75°	252	255	265	270	274	271
85°	46	55	55	51	53	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1896.1	1896.1	1896.1	1896.1	1896.1
2.5°	1898.0	1894.3	1890.6	1898.0	1901.6
5°	1890.6	1888.8	1888.8	1898.0	1901.6
7.5°	1877.8	1877.8	1883.3	1896.1	1899.8
10°	1861.2	1864.9	1872.2	1890.6	1896.1
12.5°	1839.2	1846.5	1859.4	1881.4	1888.8
15°	1811.6	1820.8	1841.0	1864.9	1874.1
17.5°	1780.4	1793.2	1819.0	1846.5	1855.7
20°	1743.6	1760.2	1789.6	1820.8	1831.8
22.5°	1703.2	1723.4	1756.5	1789.6	1802.4
25°	1659.1	1681.2	1717.9	1752.8	1767.5
27.5°	1613.2	1635.2	1675.6	1710.6	1725.3
30°	1558.1	1583.8	1626.0	1662.8	1675.6
32.5°	1504.8	1530.5	1574.6	1607.7	1620.5
35°	1444.1	1468.0	1515.8	1550.7	1563.6
37.5°	1379.8	1407.4	1453.3	1484.6	1495.6
40°	1317.4	1341.3	1385.3	1416.6	1427.6
42.5°	1247.5	1273.3	1317.4	1344.9	1354.1
45°	1177.7	1203.5	1242.0	1271.4	1278.8
47.5°	1106.1	1130.0	1168.5	1192.4	1199.8
50°	1028.9	1051.0	1087.7	1111.6	1120.8
52.5°	955.4	975.6	1006.9	1027.1	1032.6
55°	878.2	896.6	922.3	944.4	951.7
57.5°	795.6	815.8	839.7	858.0	863.5
60°	716.6	733.1	753.3	769.8	771.7
62.5°	639.4	646.7	665.1	679.8	681.7
65°	553.0	564.1	582.4	587.9	597.1
67.5°	474.0	481.4	496.1	503.4	510.8
70°	393.2	398.7	413.4	422.6	424.4
72.5°	323.4	325.2	336.2	343.6	345.4
75°	251.7	255.4	264.6	270.1	273.8
77.5°	191.1	194.8	202.1	205.8	205.8
80°	134.1	139.6	147.0	148.8	150.7
82.5°	86.4	93.7	99.2	101.1	97.4
85°	45.9	55.1	55.1	51.4	53.3
87.5°	16.5	20.2	22.0	23.9	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)