

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: P258456

Luminaire Tested: **D3X-WG-60L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258456  
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-60L930-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: 4554.9 lumens  
Efficiency: N/A  
Efficacy: 95.5 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

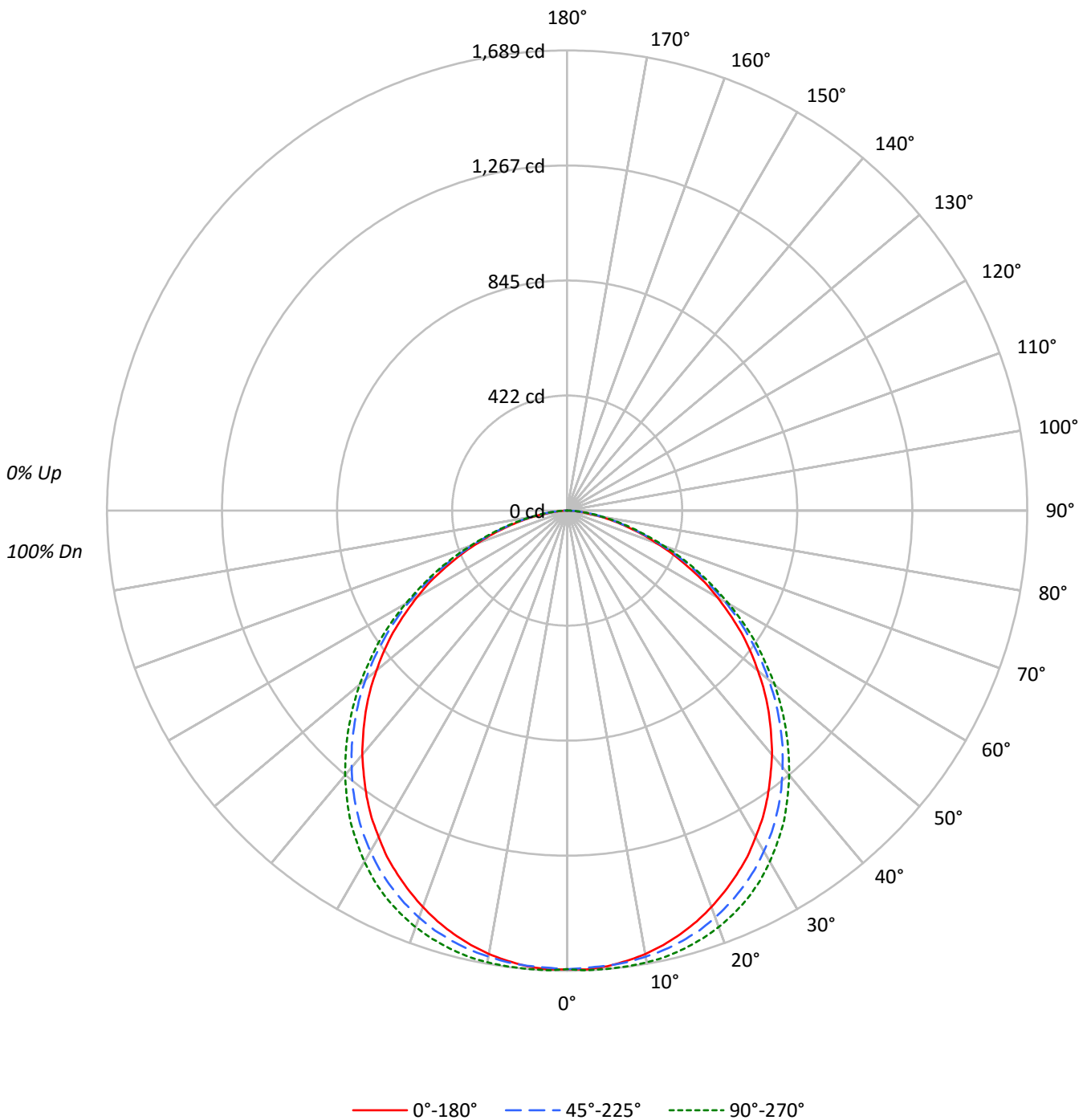
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2266	2266	2266
5°	2268	2265	2281
10°	2258	2272	2300
15°	2241	2277	2318
20°	2217	2275	2329
25°	2187	2265	2330
30°	2150	2243	2312
35°	2107	2211	2281
40°	2055	2161	2227
45°	1990	2099	2161
50°	1913	2022	2083
55°	1829	1921	1983
60°	1712	1800	1844
65°	1564	1647	1688
70°	1374	1444	1483
75°	1162	1222	1264
80°	923	1011	1037
85°	630	755	730



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.0	3.5
10°-20°	461.9	10.1
20°-30°	702.0	15.4
30°-40°	837.6	18.4
40°-50°	846.0	18.6
50°-60°	728.9	16.0
60°-70°	508.1	11.2
70°-80°	251.8	5.5
80°-90°	58.7	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°	1323.9	29.1
0°-40°	2161.5	47.5
0°-60°	3736.3	82.0
0°-90°	4554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4554.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1679	1677	1677	1686	1689	159
15°	1609	1617	1635	1656	1664	454
25°	1473	1493	1526	1557	1570	679
35°	1282	1304	1346	1377	1388	802
45°	1046	1069	1103	1129	1136	806
55°	780	796	819	839	845	695
65°	491	501	517	522	530	488
75°	224	227	235	240	243	241
85°	41	49	49	46	47	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1683.8	1683.8	1683.8	1683.8	1683.8
2.5°	1685.5	1682.2	1679.0	1685.5	1688.7
5°	1679.0	1677.3	1677.3	1685.5	1688.7
7.5°	1667.5	1667.5	1672.4	1683.8	1687.1
10°	1652.8	1656.1	1662.6	1679.0	1683.8
12.5°	1633.3	1639.8	1651.2	1670.8	1677.3
15°	1608.8	1617.0	1634.9	1656.1	1664.3
17.5°	1581.1	1592.5	1615.3	1639.8	1648.0
20°	1548.4	1563.1	1589.2	1617.0	1626.7
22.5°	1512.5	1530.5	1559.8	1589.2	1600.6
25°	1473.4	1492.9	1525.6	1556.6	1569.6
27.5°	1432.6	1452.2	1488.1	1519.1	1532.1
30°	1383.6	1406.5	1444.0	1476.6	1488.1
32.5°	1336.3	1359.2	1398.3	1427.7	1439.1
35°	1282.5	1303.7	1346.1	1377.1	1388.5
37.5°	1225.4	1249.8	1290.6	1318.4	1328.2
40°	1169.9	1191.1	1230.3	1258.0	1267.8
42.5°	1107.9	1130.7	1169.9	1194.4	1202.5
45°	1045.9	1068.7	1103.0	1129.1	1135.6
47.5°	982.2	1003.5	1037.7	1058.9	1065.5
50°	913.7	933.3	965.9	987.1	995.3
52.5°	848.5	866.4	894.1	912.1	917.0
55°	779.9	796.2	819.1	838.7	845.2
57.5°	706.5	724.4	745.7	762.0	766.9
60°	636.3	651.0	669.0	683.7	685.3
62.5°	567.8	574.3	590.7	603.7	605.3
65°	491.1	500.9	517.2	522.1	530.3
67.5°	421.0	427.5	440.5	447.1	453.6
70°	349.2	354.1	367.1	375.3	376.9
72.5°	287.2	288.8	298.6	305.1	306.7
75°	223.5	226.8	235.0	239.9	243.1
77.5°	169.7	173.0	179.5	182.7	182.7
80°	119.1	124.0	130.5	132.2	133.8
82.5°	76.7	83.2	88.1	89.7	86.5
85°	40.8	48.9	48.9	45.7	47.3
87.5°	14.7	17.9	19.6	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)