

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: P258509

Luminaire Tested: **D3X-WO-55L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258509  
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-55L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4484.5 lumens  
Efficiency: N/A  
Efficacy: 105.0 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

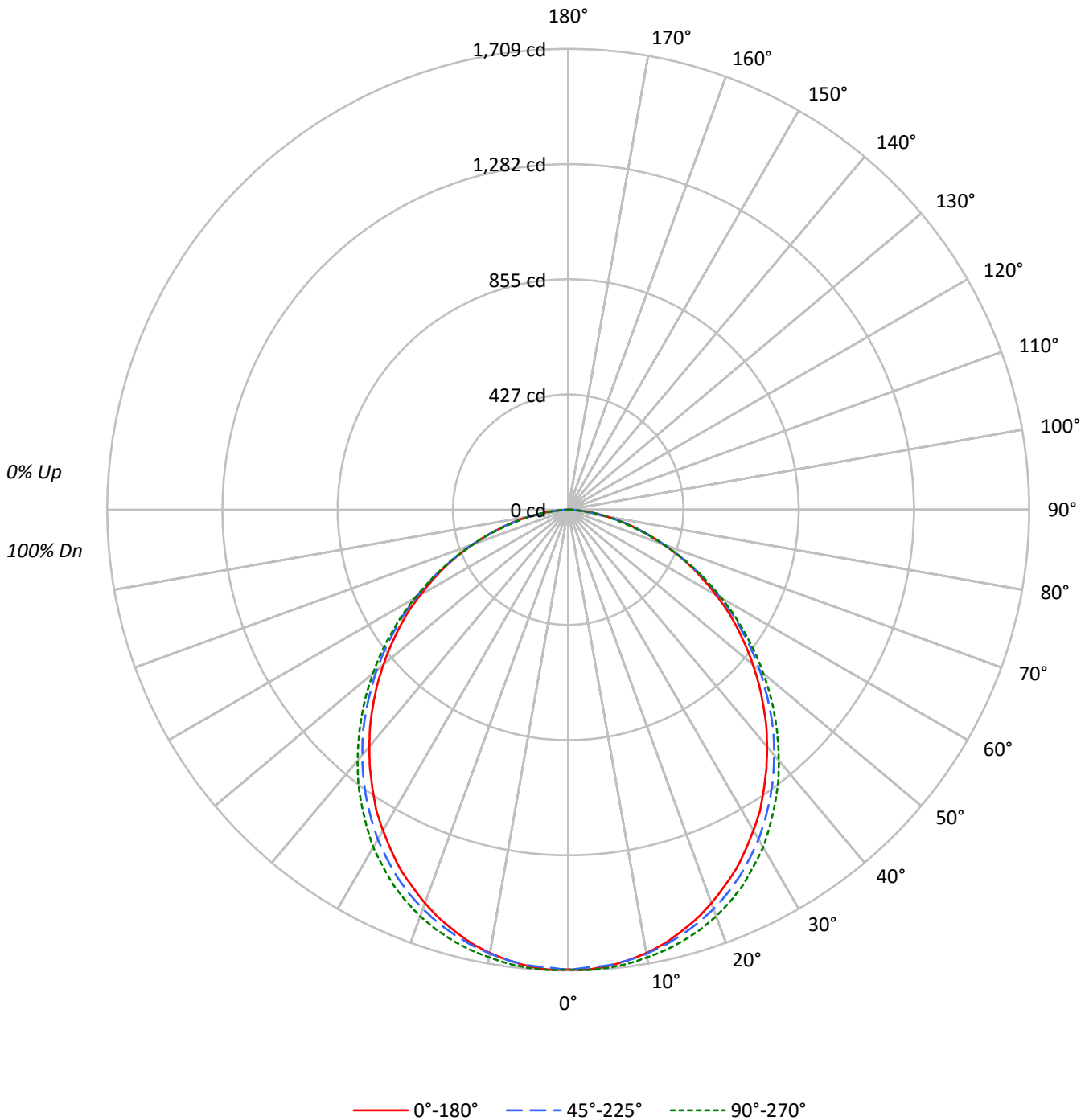
Input Watts (W): 42.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2295	2295	2295
5°	2295	2291	2303
10°	2281	2285	2303
15°	2256	2273	2304
20°	2224	2256	2297
25°	2184	2229	2279
30°	2133	2192	2246
35°	2077	2144	2193
40°	2014	2086	2133
45°	1946	2018	2061
50°	1872	1941	1976
55°	1793	1850	1878
60°	1703	1748	1768
65°	1606	1630	1640
70°	1474	1492	1474
75°	1327	1319	1280
80°	1124	1112	1077
85°	840	817	722



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.5	3.6
10°-20°	461.3	10.3
20°-30°	691.6	15.4
30°-40°	814.5	18.2
40°-50°	814.6	18.2
50°-60°	702.9	15.7
60°-70°	505.8	11.3
70°-80°	268.3	6.0
80°-90°	64.0	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°	1314.4	29.3
0°-40°	2128.9	47.5
0°-60°	3646.5	81.3
0°-90°	4484.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4484.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1700	1698	1696	1702	1706	161
15°	1619	1624	1632	1648	1654	457
25°	1471	1480	1502	1527	1535	677
35°	1264	1280	1305	1328	1335	791
45°	1023	1036	1060	1079	1083	789
55°	764	772	789	802	801	684
65°	505	506	512	515	515	499
75°	255	252	254	248	246	272
85°	54	54	53	48	47	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1705.5	1705.5	1705.5	1705.5	1705.5
2.5°	1707.0	1704.0	1699.5	1705.5	1708.6
5°	1699.5	1698.0	1696.5	1702.5	1705.5
7.5°	1685.9	1687.4	1685.9	1695.0	1698.0
10°	1669.3	1670.8	1672.3	1682.9	1685.9
12.5°	1648.1	1649.6	1654.2	1667.8	1672.3
15°	1619.4	1624.0	1631.5	1648.1	1654.2
17.5°	1589.2	1595.3	1605.8	1625.5	1631.5
20°	1553.0	1560.5	1575.6	1596.8	1604.3
22.5°	1512.2	1519.7	1540.9	1563.5	1571.1
25°	1471.4	1480.4	1501.6	1527.3	1534.8
27.5°	1423.0	1435.1	1457.8	1483.5	1489.5
30°	1373.2	1383.8	1411.0	1435.1	1445.7
32.5°	1323.3	1333.9	1359.6	1383.8	1391.3
35°	1264.4	1279.5	1305.2	1327.9	1335.4
37.5°	1207.0	1220.6	1247.8	1270.5	1278.0
40°	1146.6	1158.7	1187.4	1208.5	1214.6
42.5°	1086.2	1098.3	1127.0	1143.6	1149.6
45°	1022.7	1036.3	1060.5	1078.6	1083.1
47.5°	959.3	969.8	992.5	1009.1	1015.2
50°	894.3	904.9	927.5	941.1	944.2
52.5°	829.4	836.9	858.1	870.1	874.7
55°	764.4	771.9	788.6	802.2	800.7
57.5°	702.5	705.5	722.1	731.2	731.2
60°	633.0	636.0	649.6	655.6	657.1
62.5°	568.0	572.5	583.1	584.6	584.6
65°	504.6	506.1	512.1	515.1	515.1
67.5°	441.1	439.6	445.6	445.6	444.1
70°	374.6	377.7	379.2	376.2	374.6
72.5°	314.2	312.7	312.7	311.2	311.2
75°	255.3	252.3	253.8	247.7	246.2
77.5°	200.9	196.4	194.9	191.9	188.8
80°	145.0	145.0	143.5	140.5	139.0
82.5°	96.7	96.7	95.2	92.2	89.1
85°	54.4	54.4	52.9	48.3	46.8
87.5°	18.1	18.1	18.1	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)