

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: P258391

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-55L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4210.3 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

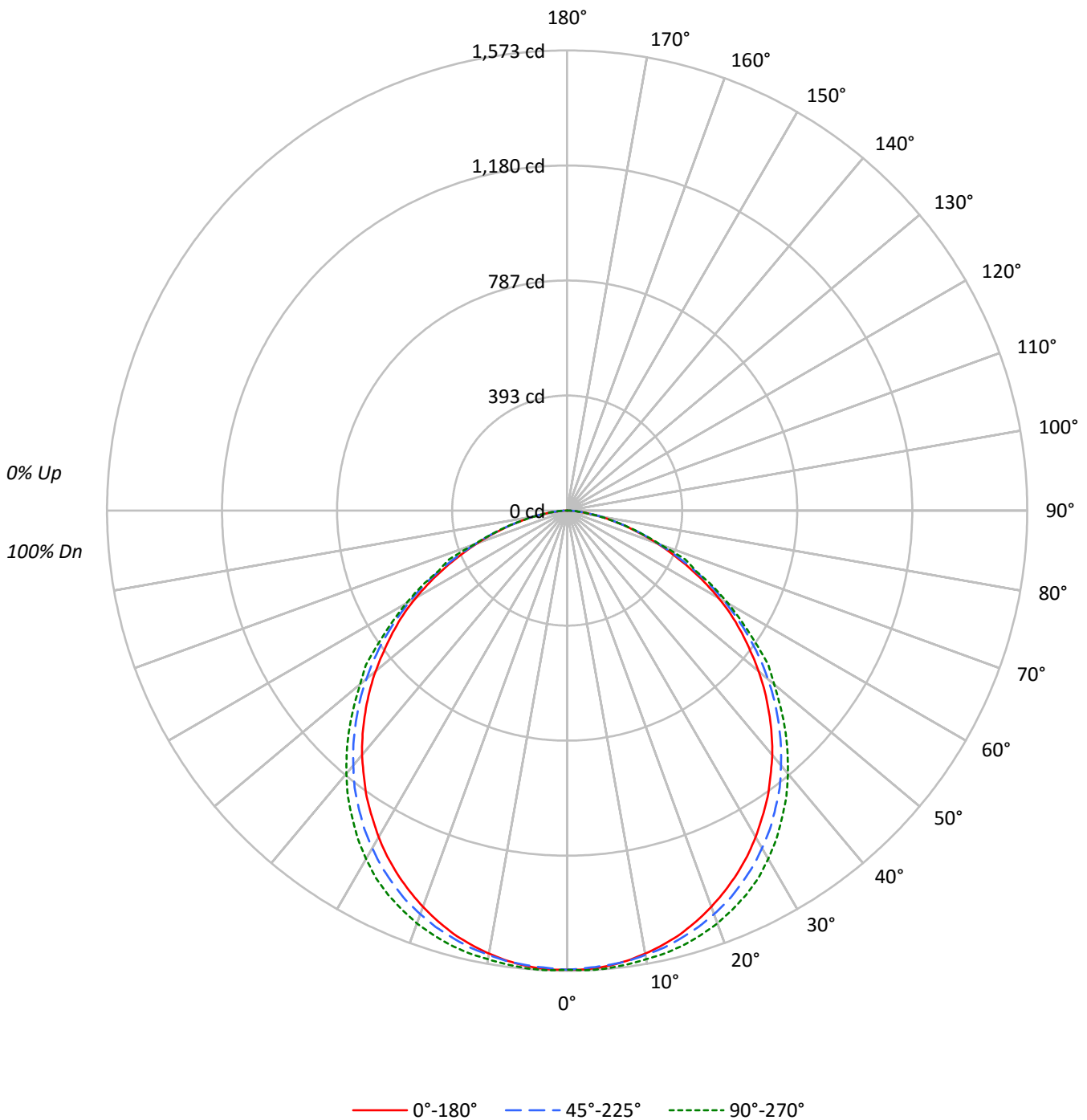
Input Watts (W): 42.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2112	2112	2112
5°	2112	2108	2122
10°	2101	2107	2128
15°	2087	2106	2142
20°	2064	2103	2150
25°	2036	2090	2151
30°	2002	2070	2136
35°	1963	2040	2104
40°	1916	1998	2062
45°	1857	1943	2003
50°	1790	1875	1932
55°	1708	1786	1839
60°	1610	1671	1711
65°	1462	1510	1539
70°	1284	1314	1331
75°	1084	1099	1107
80°	866	878	855
85°	584	607	584



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.8	3.5
10°-20°	427.8	10.2
20°-30°	649.0	15.4
30°-40°	774.9	18.4
40°-50°	784.5	18.6
50°-60°	678.1	16.1
60°-70°	470.0	11.2
70°-80°	227.4	5.4
80°-90°	50.0	1.2
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°	1225.5	29.1
0°-40°	2000.4	47.5
0°-60°	3463.0	82.2
0°-90°	4210.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4210.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1564	1562	1560	1568	1571	148
15°	1499	1502	1512	1530	1538	422
25°	1372	1381	1408	1437	1449	632
35°	1195	1206	1242	1274	1281	746
45°	976	990	1021	1047	1053	753
55°	728	736	761	793	784	651
65°	459	464	474	482	483	454
75°	208	210	212	210	213	224
85°	38	41	39	38	38	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1569.6	1569.6	1569.6	1569.6	1569.6
2.5°	1569.6	1568.1	1565.0	1569.6	1572.6
5°	1563.5	1562.0	1560.5	1568.1	1571.1
7.5°	1553.0	1553.0	1554.5	1562.0	1565.0
10°	1537.9	1539.4	1542.4	1554.5	1557.5
12.5°	1519.7	1522.7	1530.3	1543.9	1549.9
15°	1498.6	1501.6	1512.2	1530.3	1537.9
17.5°	1471.4	1477.4	1492.5	1513.7	1521.2
20°	1441.2	1448.7	1468.4	1492.5	1501.6
22.5°	1407.9	1415.5	1441.2	1466.9	1475.9
25°	1371.7	1380.7	1407.9	1436.6	1448.7
27.5°	1332.4	1343.0	1373.2	1403.4	1415.5
30°	1288.6	1300.7	1332.4	1364.1	1374.7
32.5°	1241.8	1253.9	1290.1	1320.3	1330.9
35°	1194.9	1205.5	1241.8	1273.5	1281.0
37.5°	1142.1	1154.1	1193.4	1220.6	1231.2
40°	1090.7	1102.8	1137.5	1164.7	1173.8
42.5°	1034.8	1046.9	1081.6	1107.3	1114.9
45°	975.9	989.5	1021.2	1046.9	1052.9
47.5°	917.0	927.5	960.8	983.4	988.0
50°	855.0	865.6	895.8	918.5	923.0
52.5°	790.1	806.7	830.9	847.5	867.1
55°	728.1	735.7	761.4	793.1	784.0
57.5°	666.2	670.7	691.9	705.5	708.5
60°	598.2	604.3	620.9	628.4	636.0
62.5°	527.2	531.8	551.4	558.9	562.0
65°	459.2	463.8	474.3	481.9	483.4
67.5°	389.8	394.3	403.3	409.4	436.6
70°	326.3	329.3	333.9	345.9	338.4
72.5°	265.9	267.4	271.9	271.9	273.4
75°	208.5	210.0	211.5	210.0	213.0
77.5°	155.6	158.6	160.1	158.6	157.1
80°	111.8	114.8	113.3	110.3	110.3
82.5°	72.5	74.0	72.5	71.0	71.0
85°	37.8	40.8	39.3	37.8	37.8
87.5°	13.6	15.1	16.6	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)