

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: P258432

Luminaire Tested: **D3X-WG-42L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258432  
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-42L930-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: 3195.3 lumens  
Efficiency: N/A  
Efficacy: 102.4 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

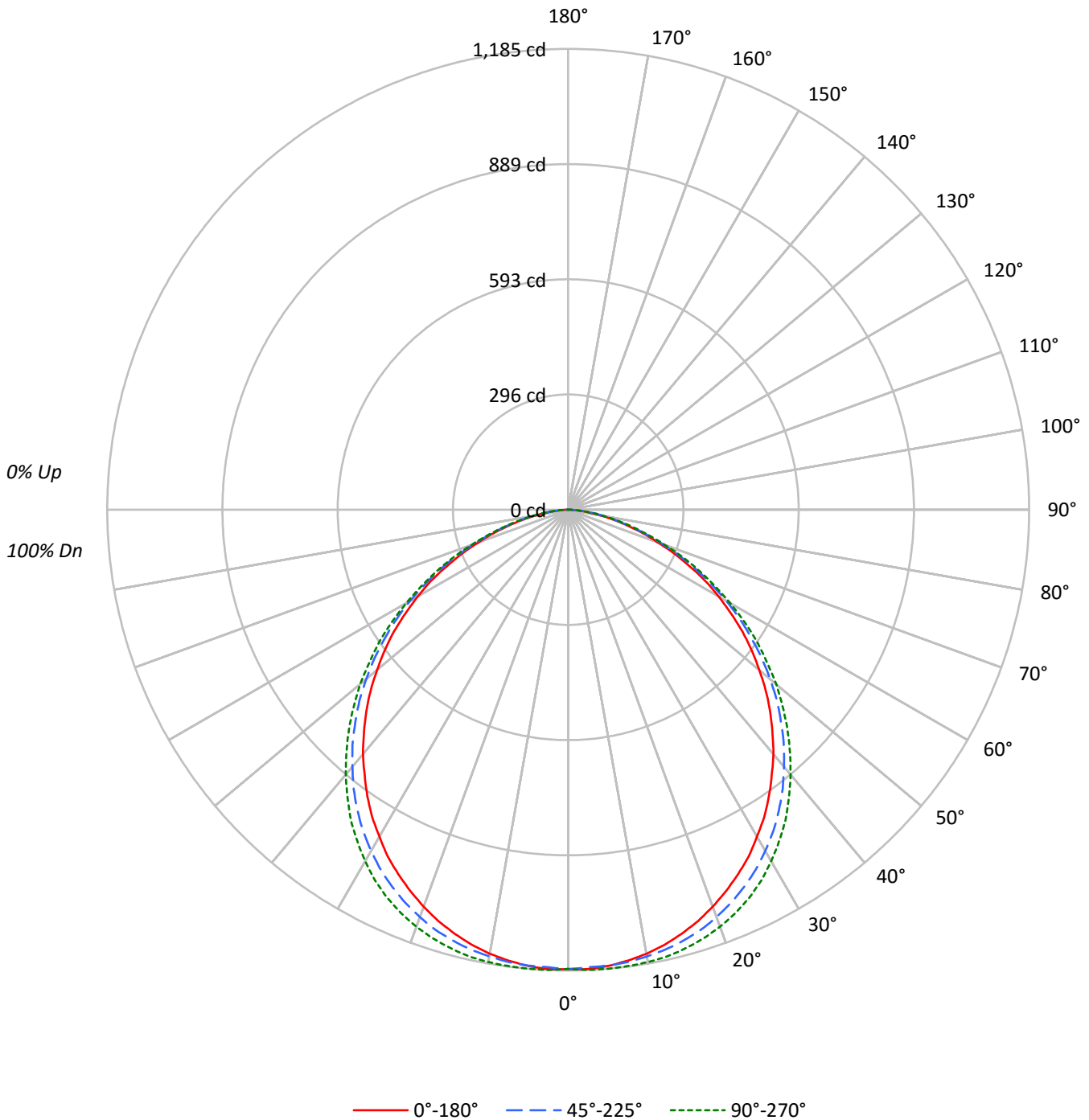
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1589	1589	1589
5°	1591	1589	1600
10°	1584	1594	1614
15°	1572	1598	1626
20°	1555	1596	1634
25°	1534	1589	1635
30°	1508	1574	1622
35°	1478	1551	1600
40°	1441	1516	1562
45°	1396	1472	1516
50°	1342	1418	1461
55°	1283	1348	1391
60°	1201	1263	1294
65°	1097	1155	1184
70°	963	1013	1040
75°	815	857	886
80°	648	710	728
85°	442	530	513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.2	3.5
10°-20°	324.0	10.1
20°-30°	492.4	15.4
30°-40°	587.6	18.4
40°-50°	593.5	18.6
50°-60°	511.3	16.0
60°-70°	356.4	11.2
70°-80°	176.6	5.5
80°-90°	41.2	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°	928.7	29.1
0°-40°	1516.3	47.5
0°-60°	2621.1	82.0
0°-90°	3195.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3195.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1178	1177	1177	1182	1185	112
15°	1129	1134	1147	1162	1168	318
25°	1034	1047	1070	1092	1101	476
35°	900	914	944	966	974	562
45°	734	750	774	792	797	566
55°	547	559	575	588	593	488
65°	344	351	363	366	372	342
75°	157	159	165	168	170	169
85°	29	34	34	32	33	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1181.2	1181.2	1181.2	1181.2	1181.2
2.5°	1182.4	1180.1	1177.8	1182.4	1184.7
5°	1177.8	1176.7	1176.7	1182.4	1184.7
7.5°	1169.8	1169.8	1173.2	1181.2	1183.5
10°	1159.5	1161.8	1166.4	1177.8	1181.2
12.5°	1145.8	1150.3	1158.3	1172.1	1176.7
15°	1128.6	1134.3	1146.9	1161.8	1167.5
17.5°	1109.1	1117.1	1133.2	1150.3	1156.1
20°	1086.2	1096.5	1114.8	1134.3	1141.2
22.5°	1061.1	1073.6	1094.2	1114.8	1122.9
25°	1033.6	1047.3	1070.2	1092.0	1101.1
27.5°	1005.0	1018.7	1043.9	1065.6	1074.8
30°	970.6	986.7	1013.0	1035.9	1043.9
32.5°	937.4	953.5	980.9	1001.5	1009.5
35°	899.7	914.5	944.3	966.0	974.1
37.5°	859.6	876.8	905.4	924.8	931.7
40°	820.7	835.6	863.0	882.5	889.4
42.5°	777.2	793.2	820.7	837.9	843.6
45°	733.7	749.7	773.8	792.1	796.6
47.5°	689.1	703.9	728.0	742.9	747.4
50°	641.0	654.7	677.6	692.5	698.2
52.5°	595.2	607.8	627.2	639.8	643.3
55°	547.1	558.6	574.6	588.3	592.9
57.5°	495.6	508.2	523.1	534.5	538.0
60°	446.4	456.7	469.3	479.6	480.7
62.5°	398.3	402.9	414.3	423.5	424.6
65°	344.5	351.4	362.8	366.3	372.0
67.5°	295.3	299.9	309.0	313.6	318.2
70°	244.9	248.4	257.5	263.3	264.4
72.5°	201.5	202.6	209.5	214.0	215.2
75°	156.8	159.1	164.8	168.3	170.5
77.5°	119.0	121.3	125.9	128.2	128.2
80°	83.6	87.0	91.6	92.7	93.9
82.5°	53.8	58.4	61.8	63.0	60.7
85°	28.6	34.3	34.3	32.0	33.2
87.5°	10.3	12.6	13.7	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)