

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: P257396

Luminaire Tested: **D3X-WG-20L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-20L930-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1602.4 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

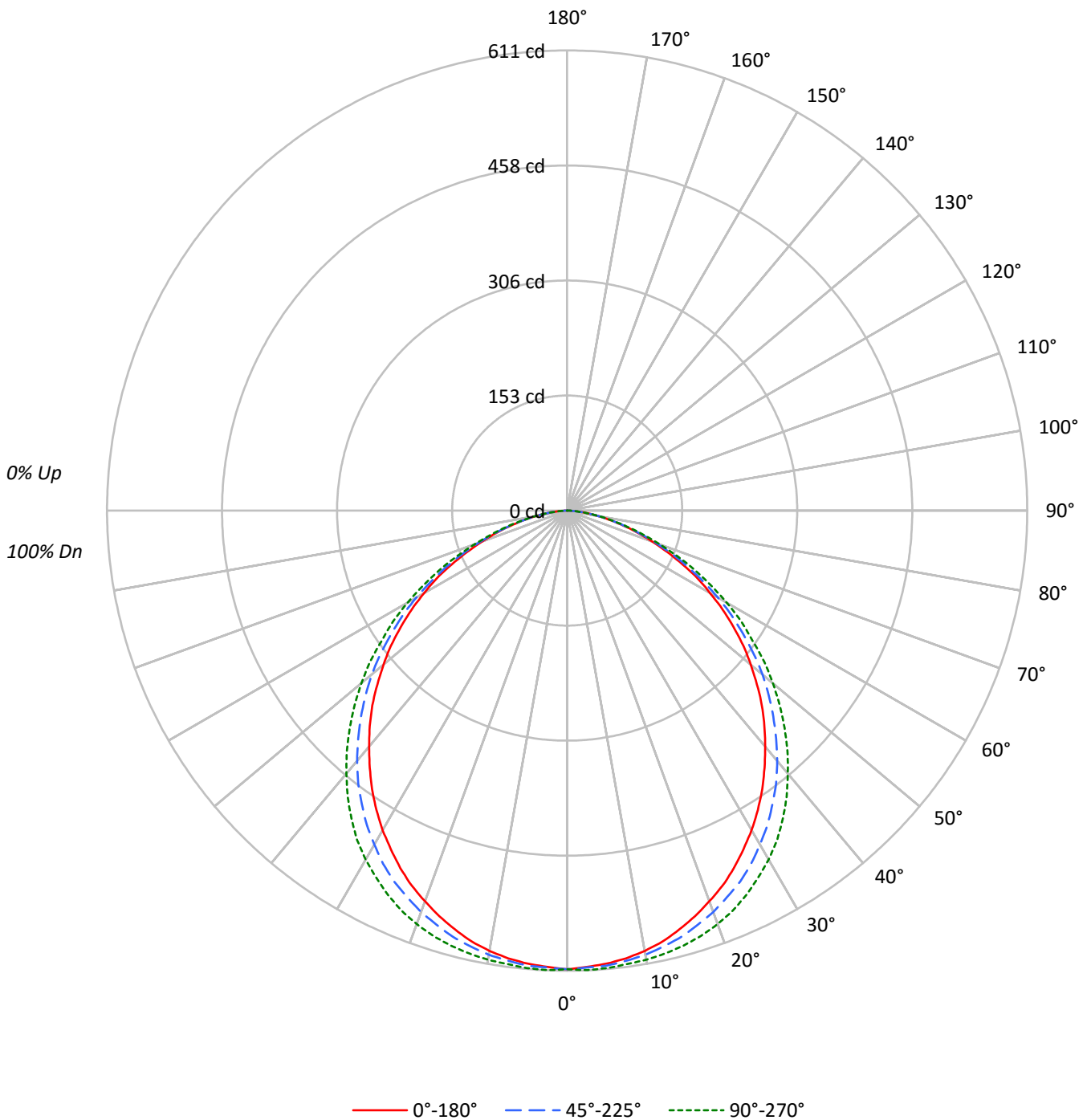
Input Watts (W): 16.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	1639	1639	1639
5°	1631	1638	1647
10°	1622	1636	1655
15°	1604	1633	1666
20°	1581	1625	1673
25°	1556	1614	1672
30°	1522	1591	1662
35°	1484	1562	1640
40°	1437	1524	1601
45°	1392	1473	1553
50°	1332	1417	1492
55°	1265	1337	1408
60°	1181	1245	1318
65°	1077	1126	1191
70°	943	983	1024
75°	805	822	858
80°	646	659	673
85°	472	448	420



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	3.6
10°-20°	165.4	10.3
20°-30°	250.1	15.6
30°-40°	297.1	18.5
40°-50°	298.2	18.6
50°-60°	254.7	15.9
60°-70°	175.5	11.0
70°-80°	85.1	5.3
80°-90°	18.6	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°	473.2	29.5
0°-40°	770.2	48.1
0°-60°	1323.2	82.6
0°-90°	1602.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	604	604	606	608	610	57
15°	576	578	586	594	598	162
25°	524	528	544	558	563	241
35°	452	458	475	493	499	282
45°	366	371	387	403	408	282
55°	270	274	285	297	300	241
65°	169	169	177	185	187	168
75°	77	76	79	81	82	83
85°	15	15	14	14	14	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	609.0	609.0	609.0	609.0	609.0
2.5°	606.4	606.4	607.3	609.8	610.7
5°	603.9	603.9	606.4	608.1	609.8
7.5°	599.6	600.5	603.0	606.4	607.3
10°	593.6	594.5	598.8	603.0	605.6
12.5°	586.0	587.7	592.8	599.6	602.2
15°	575.8	578.3	586.0	593.6	597.9
17.5°	564.7	568.1	576.6	587.7	591.9
20°	552.0	556.2	567.3	579.2	584.3
22.5°	539.2	542.6	555.4	569.0	574.9
25°	523.9	528.2	543.5	557.9	563.0
27.5°	506.9	512.9	529.0	544.3	549.4
30°	489.9	495.0	512.0	529.0	535.0
32.5°	471.2	476.3	495.0	512.0	518.8
35°	451.6	458.4	475.4	493.3	499.2
37.5°	430.4	438.0	455.9	471.2	478.8
40°	409.1	415.9	433.8	449.9	455.9
42.5°	387.8	393.8	410.8	427.8	432.9
45°	365.7	370.8	387.0	403.1	408.2
47.5°	341.9	347.9	363.2	376.8	382.7
50°	318.1	324.0	338.5	351.3	356.4
52.5°	295.1	298.5	312.1	324.0	330.0
55°	269.6	273.9	284.9	296.8	300.2
57.5°	244.9	247.5	258.6	268.8	273.9
60°	219.4	221.1	231.3	239.0	244.9
62.5°	195.6	195.6	203.3	211.8	215.2
65°	169.2	169.2	176.9	184.6	187.1
67.5°	143.7	145.4	150.5	156.5	158.2
70°	119.9	119.9	125.0	129.3	130.1
72.5°	98.7	97.8	100.4	103.8	105.5
75°	77.4	75.7	79.1	80.8	82.5
77.5°	58.7	57.8	59.5	61.2	61.2
80°	41.7	40.8	42.5	42.5	43.4
82.5°	27.2	28.1	28.1	27.2	26.4
85°	15.3	15.3	14.5	13.6	13.6
87.5°	5.1	5.1	5.1	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)