

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: P257408

Luminaire Tested: **D3X-WG-31L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257408  
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-31L930-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: 2467.6 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

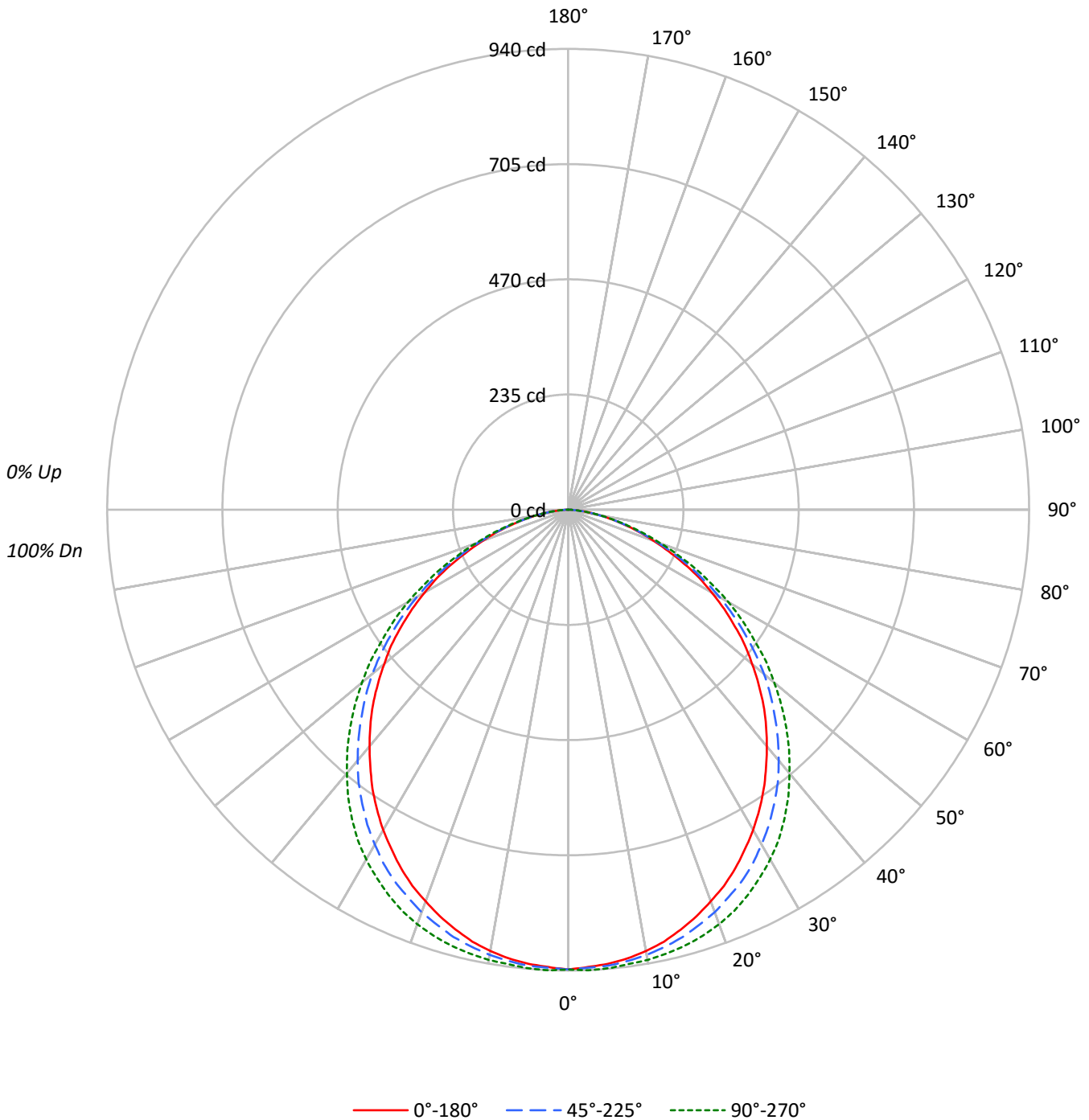
Input Watts (W): 26.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2523	2523	2523
5°	2512	2522	2537
10°	2498	2519	2548
15°	2470	2514	2565
20°	2434	2502	2577
25°	2396	2485	2574
30°	2344	2450	2560
35°	2284	2405	2526
40°	2213	2346	2466
45°	2143	2268	2393
50°	2051	2182	2298
55°	1948	2058	2169
60°	1819	1917	2030
65°	1659	1734	1834
70°	1453	1515	1577
75°	1239	1266	1320
80°	995	1015	1035
85°	729	689	648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.8	3.6
10°-20°	254.8	10.3
20°-30°	385.1	15.6
30°-40°	457.4	18.5
40°-50°	459.2	18.6
50°-60°	392.3	15.9
60°-70°	270.3	11.0
70°-80°	131.1	5.3
80°-90°	28.7	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°	728.6	29.5
0°-40°	1186.1	48.1
0°-60°	2037.6	82.6
0°-90°	2467.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	930	930	934	936	939	88
15°	887	891	902	914	921	250
25°	807	813	837	859	867	371
35°	695	706	732	760	769	434
45°	563	571	596	621	629	434
55°	415	422	439	457	462	371
65°	261	261	272	284	288	258
75°	119	117	122	124	127	128
85°	24	24	22	21	21	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	937.7	937.7	937.7	937.7	937.7
2.5°	933.8	933.8	935.1	939.1	940.4
5°	929.9	929.9	933.8	936.4	939.1
7.5°	923.3	924.6	928.6	933.8	935.1
10°	914.2	915.5	922.0	928.6	932.5
12.5°	902.4	905.0	912.9	923.3	927.3
15°	886.7	890.6	902.4	914.2	920.7
17.5°	869.6	874.9	888.0	905.0	911.5
20°	850.0	856.5	873.6	891.9	899.8
22.5°	830.3	835.6	855.2	876.2	885.4
25°	806.8	813.3	836.9	859.2	867.0
27.5°	780.6	789.7	814.6	838.2	846.1
30°	754.4	762.2	788.4	814.6	823.8
32.5°	725.6	733.4	762.2	788.4	798.9
35°	695.4	705.9	732.1	759.6	768.8
37.5°	662.7	674.5	702.0	725.6	737.4
40°	630.0	640.4	667.9	692.8	702.0
42.5°	597.2	606.4	632.6	658.8	666.6
45°	563.2	571.0	595.9	620.8	628.7
47.5°	526.5	535.7	559.2	580.2	589.4
50°	489.8	499.0	521.3	540.9	548.8
52.5°	454.5	459.7	480.7	499.0	508.2
55°	415.2	421.7	438.7	457.1	462.3
57.5°	377.2	381.1	398.1	413.9	421.7
60°	337.9	340.5	356.2	368.0	377.2
62.5°	301.2	301.2	313.0	326.1	331.4
65°	260.6	260.6	272.4	284.2	288.1
67.5°	221.3	224.0	231.8	241.0	243.6
70°	184.7	184.7	192.5	199.1	200.4
72.5°	151.9	150.6	154.5	159.8	162.4
75°	119.2	116.6	121.8	124.4	127.0
77.5°	90.4	89.1	91.7	94.3	94.3
80°	64.2	62.9	65.5	65.5	66.8
82.5°	41.9	43.2	43.2	41.9	40.6
85°	23.6	23.6	22.3	21.0	21.0
87.5°	7.9	7.9	7.9	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)