

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: P257443

Luminaire Tested: **D3X-WG-31L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
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-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2575.4 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

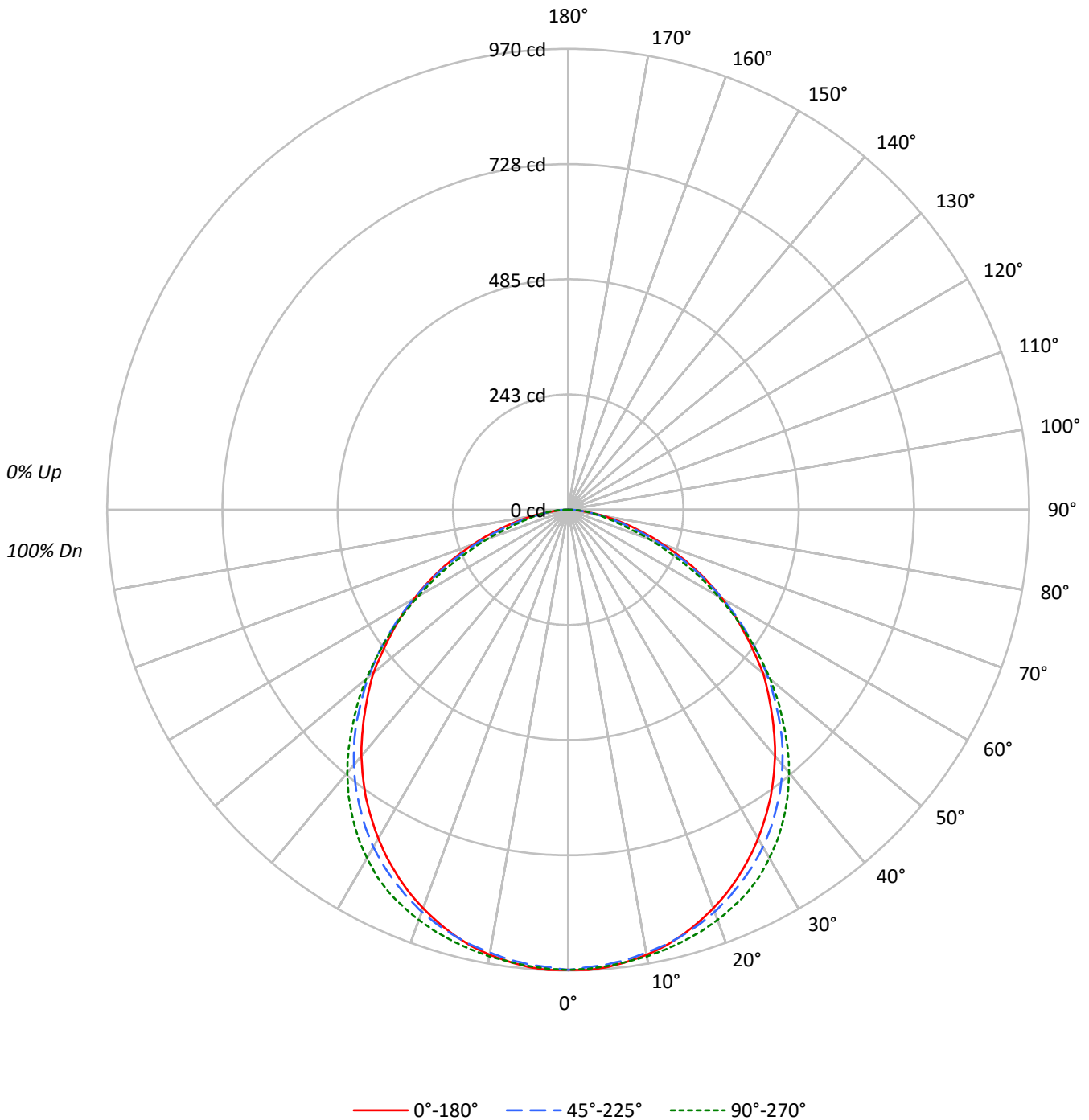
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	82	77	83	79	75	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	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2606	2606	2606
5°	2610	2595	2604
10°	2599	2587	2609
15°	2583	2586	2618
20°	2556	2579	2632
25°	2523	2565	2643
30°	2484	2548	2630
35°	2437	2512	2599
40°	2379	2464	2540
45°	2305	2393	2441
50°	2242	2300	2324
55°	2129	2172	2161
60°	2014	2014	1958
65°	1870	1826	1723
70°	1659	1585	1432
75°	1437	1305	1102
80°	1178	1017	1000
85°	781	923	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.6
10°-20°	262.9	10.2
20°-30°	399.5	15.5
30°-40°	478.3	18.6
40°-50°	482.5	18.7
50°-60°	411.0	16.0
60°-70°	281.0	10.9
70°-80°	134.6	5.2
80°-90°	34.1	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°	753.9	29.3
0°-40°	1232.3	47.8
0°-60°	2125.7	82.5
0°-90°	2575.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2575.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	966	965	960	965	964	92
15°	927	925	928	939	940	261
25°	850	851	864	883	890	392
35°	742	744	765	787	791	463
45°	606	610	629	642	642	468
55°	454	456	463	464	461	406
65°	294	288	287	276	271	290
75°	138	136	126	109	106	148
85°	25	28	30	31	32	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	968.6	968.6	968.6	968.6	968.6
2.5°	969.7	968.6	963.9	968.6	967.4
5°	966.3	965.1	960.5	965.1	963.9
7.5°	959.3	958.2	954.7	959.3	959.3
10°	951.3	949.0	946.7	953.6	954.7
12.5°	940.9	938.6	938.6	946.7	947.8
15°	927.1	924.8	928.2	938.6	939.8
17.5°	911.0	909.8	915.6	928.2	930.5
20°	892.5	891.4	900.6	915.6	919.0
22.5°	873.0	873.0	883.3	900.6	905.2
25°	849.9	851.1	863.8	883.3	890.2
27.5°	825.7	828.0	843.0	864.9	870.7
30°	799.3	802.7	820.0	840.7	846.5
32.5°	770.5	773.9	793.5	815.4	821.1
35°	741.7	744.0	764.7	786.6	791.2
37.5°	709.4	712.9	734.8	754.3	758.9
40°	677.2	680.6	701.4	719.8	723.2
42.5°	641.5	646.1	666.8	681.8	684.1
45°	605.8	610.4	628.8	641.5	641.5
47.5°	570.1	572.4	588.5	601.2	600.0
50°	535.5	534.4	549.3	555.1	555.1
52.5°	492.9	496.4	506.7	510.2	506.7
55°	453.8	456.1	463.0	464.1	460.7
57.5°	415.8	414.6	420.4	416.9	412.3
60°	374.3	374.3	374.3	370.8	363.9
62.5°	334.0	331.7	330.5	322.5	319.0
65°	293.7	287.9	286.8	276.4	270.6
67.5°	251.1	248.8	243.0	232.6	222.3
70°	210.8	208.5	201.5	188.9	182.0
72.5°	173.9	171.6	162.4	147.4	138.2
75°	138.2	135.9	125.5	109.4	106.0
77.5°	104.8	103.7	93.3	85.2	84.1
80°	76.0	74.9	65.6	65.6	64.5
82.5°	48.4	48.4	46.1	47.2	48.4
85°	25.3	27.6	29.9	31.1	32.2
87.5°	8.1	12.7	15.0	16.1	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)