

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: P257566

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-31L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2717.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

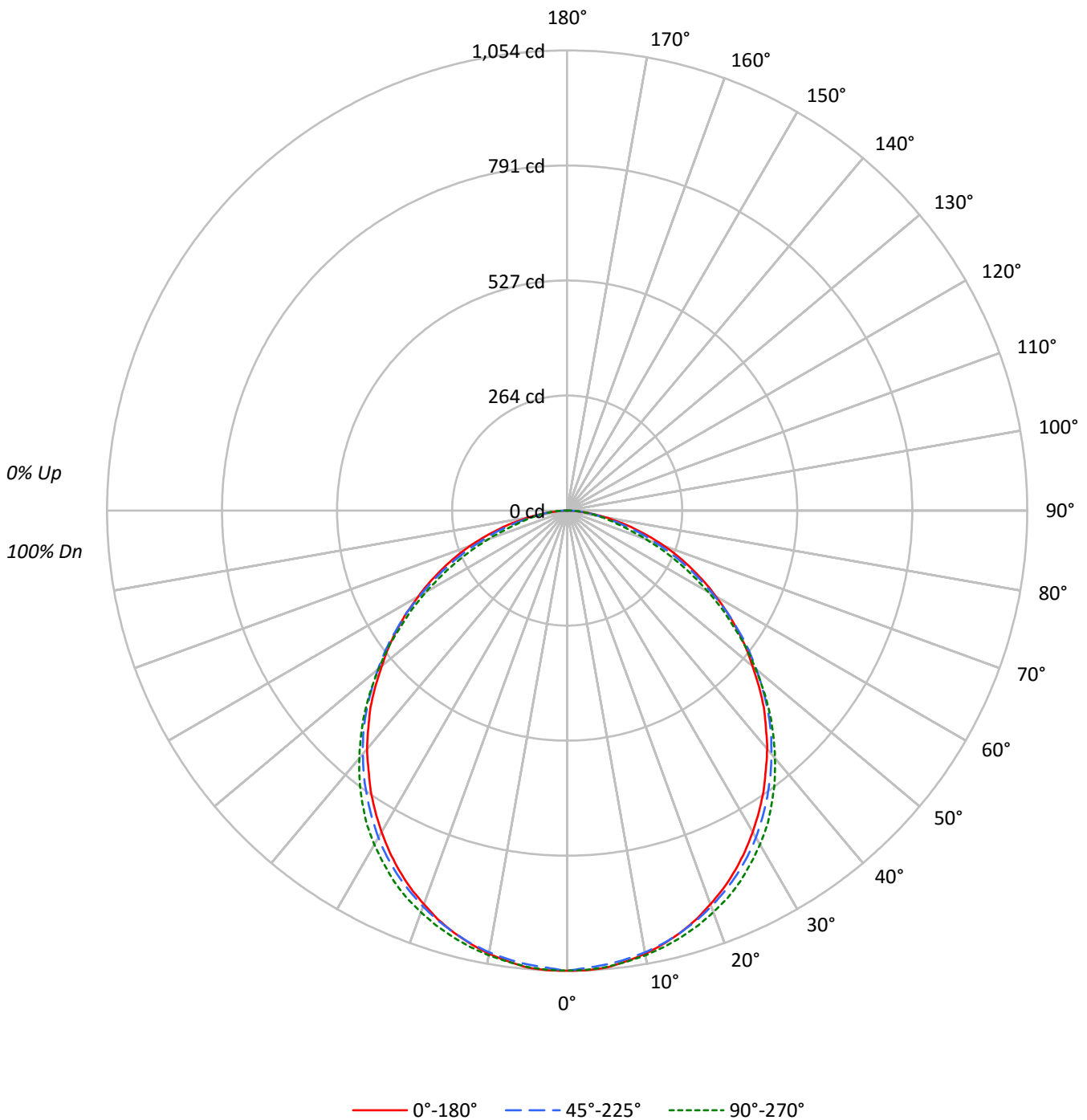
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	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	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2836	2836	2836
5°	2837	2819	2834
10°	2817	2807	2826
15°	2788	2788	2817
20°	2747	2764	2804
25°	2702	2732	2784
30°	2641	2688	2745
35°	2576	2626	2686
40°	2504	2557	2602
45°	2424	2476	2498
50°	2319	2367	2358
55°	2232	2248	2189
60°	2120	2089	2009
65°	2002	1922	1789
70°	1858	1703	1513
75°	1652	1461	1246
80°	1375	1196	1161
85°	994	1068	1068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	3.7
10°-20°	283.3	10.4
20°-30°	424.6	15.6
30°-40°	500.2	18.4
40°-50°	498.9	18.4
50°-60°	424.4	15.6
60°-70°	296.2	10.9
70°-80°	150.6	5.5
80°-90°	39.3	1.4
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°	807.4	29.7
0°-40°	1307.6	48.1
0°-60°	2230.9	82.1
0°-90°	2717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2717.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1050	1048	1044	1049	1049	100
15°	1001	1001	1001	1010	1011	282
25°	910	911	920	934	938	419
35°	784	786	799	815	818	490
45°	637	639	651	655	656	490
55°	476	476	479	472	466	425
65°	314	310	302	286	281	312
75°	159	153	140	123	120	169
85°	32	33	35	35	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1053.9	1053.9	1053.9	1053.9	1053.9
2.5°	1053.9	1052.7	1048.1	1052.7	1052.7
5°	1050.4	1048.1	1043.5	1049.2	1049.2
7.5°	1041.2	1040.0	1036.6	1042.3	1042.3
10°	1030.8	1029.7	1027.4	1034.3	1034.3
12.5°	1017.0	1017.0	1015.8	1022.8	1023.9
15°	1000.9	1000.9	1000.9	1010.1	1011.2
17.5°	982.4	981.3	984.7	995.1	996.3
20°	959.4	960.6	965.2	976.7	979.0
22.5°	936.4	937.5	943.3	957.1	960.6
25°	909.9	911.0	920.2	934.1	937.5
27.5°	881.1	883.4	893.8	908.7	911.0
30°	850.0	852.3	865.0	879.9	883.4
32.5°	817.7	821.2	832.7	848.8	853.4
35°	784.3	785.5	799.3	815.4	817.7
37.5°	747.5	750.9	764.8	778.6	780.9
40°	712.9	715.2	727.9	739.4	740.6
42.5°	673.8	677.2	691.0	699.1	699.1
45°	636.9	639.2	650.7	655.3	656.5
47.5°	595.5	597.8	608.1	610.4	610.4
50°	554.0	559.7	565.5	565.5	563.2
52.5°	516.0	517.1	524.0	519.4	517.1
55°	475.7	475.7	479.1	472.2	466.5
57.5°	435.4	435.4	435.4	426.1	421.5
60°	393.9	392.7	388.1	376.6	373.2
62.5°	354.7	351.3	344.4	332.9	325.9
65°	314.4	309.8	301.8	285.6	281.0
67.5°	276.4	268.4	259.1	244.2	236.1
70°	236.1	229.2	216.5	199.3	192.3
72.5°	196.9	190.0	179.7	162.4	152.0
75°	158.9	153.2	140.5	123.2	119.8
77.5°	122.1	118.6	106.0	97.9	96.7
80°	88.7	87.5	77.2	74.9	74.9
82.5°	58.7	57.6	54.1	54.1	53.0
85°	32.2	33.4	34.6	34.6	34.6
87.5°	11.5	13.8	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)