

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: P257554

Luminaire Tested: **D3X-WO-23L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257554
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-23L930-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: 2040.0 lumens
Efficiency: N/A
Efficacy: 91.9 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

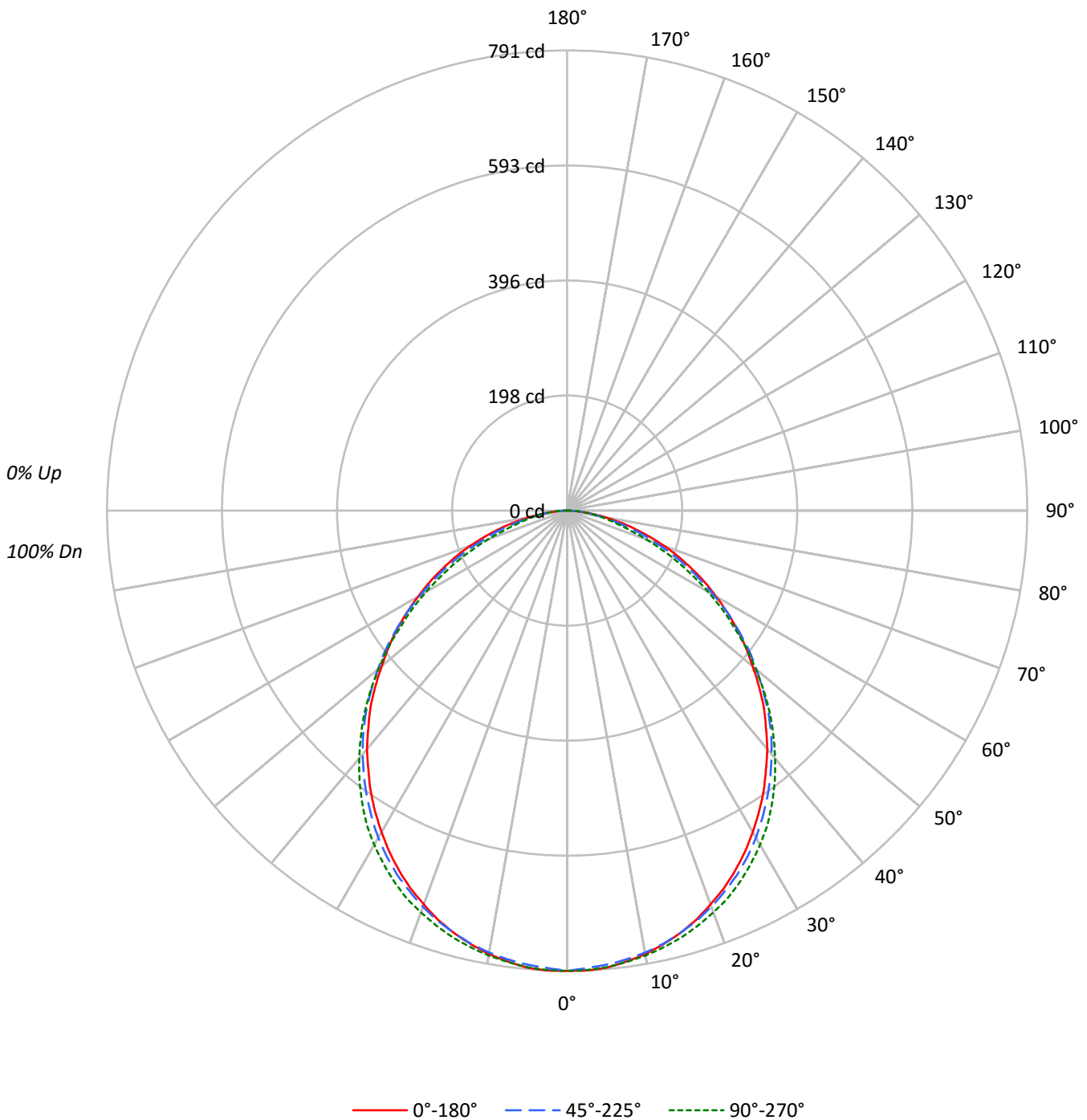
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2129	2129	2129
5°	2130	2116	2128
10°	2115	2108	2122
15°	2094	2094	2115
20°	2063	2075	2105
25°	2029	2051	2090
30°	1983	2018	2061
35°	1935	1971	2017
40°	1880	1920	1953
45°	1820	1859	1876
50°	1741	1778	1770
55°	1675	1688	1643
60°	1591	1568	1508
65°	1503	1443	1344
70°	1395	1279	1136
75°	1240	1097	935
80°	1032	897	871
85°	747	800	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	3.7
10°-20°	212.7	10.4
20°-30°	318.8	15.6
30°-40°	375.6	18.4
40°-50°	374.6	18.4
50°-60°	318.7	15.6
60°-70°	222.4	10.9
70°-80°	113.0	5.5
80°-90°	29.5	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°	606.2	29.7
0°-40°	981.8	48.1
0°-60°	1675.1	82.1
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	789	787	784	788	788	75
15°	752	752	752	758	759	212
25°	683	684	691	701	704	314
35°	589	590	600	612	614	368
45°	478	480	489	492	493	368
55°	357	357	360	355	350	319
65°	236	233	227	214	211	234
75°	119	115	106	92	90	127
85°	24	25	26	26	26	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	791.3	791.3	791.3	791.3	791.3
2.5°	791.3	790.4	786.9	790.4	790.4
5°	788.7	786.9	783.5	787.8	787.8
7.5°	781.7	780.9	778.3	782.6	782.6
10°	774.0	773.1	771.4	776.6	776.6
12.5°	763.6	763.6	762.7	767.9	768.8
15°	751.5	751.5	751.5	758.4	759.3
17.5°	737.6	736.8	739.4	747.2	748.0
20°	720.3	721.2	724.7	733.3	735.0
22.5°	703.1	703.9	708.2	718.6	721.2
25°	683.2	684.0	690.9	701.3	703.9
27.5°	661.5	663.3	671.1	682.3	684.0
30°	638.2	639.9	649.4	660.7	663.3
32.5°	614.0	616.6	625.2	637.3	640.8
35°	588.9	589.8	600.1	612.3	614.0
37.5°	561.2	563.8	574.2	584.6	586.3
40°	535.3	537.0	546.5	555.2	556.0
42.5°	505.9	508.5	518.9	524.9	524.9
45°	478.2	479.9	488.6	492.0	492.9
47.5°	447.1	448.8	456.6	458.3	458.3
50°	415.9	420.3	424.6	424.6	422.9
52.5°	387.4	388.3	393.5	390.0	388.3
55°	357.1	357.1	359.7	354.6	350.2
57.5°	326.9	326.9	326.9	320.0	316.5
60°	295.7	294.9	291.4	282.8	280.2
62.5°	266.3	263.8	258.6	249.9	244.7
65°	236.1	232.6	226.6	214.5	211.0
67.5°	207.5	201.5	194.6	183.3	177.3
70°	177.3	172.1	162.6	149.6	144.4
72.5°	147.9	142.7	134.9	121.9	114.1
75°	119.3	115.0	105.5	92.5	89.9
77.5°	91.7	89.1	79.6	73.5	72.6
80°	66.6	65.7	57.9	56.2	56.2
82.5°	44.1	43.2	40.6	40.6	39.8
85°	24.2	25.1	25.9	25.9	25.9
87.5°	8.6	10.4	12.1	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)