

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: P257525

Luminaire Tested: **D3X-WO-25L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.5 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

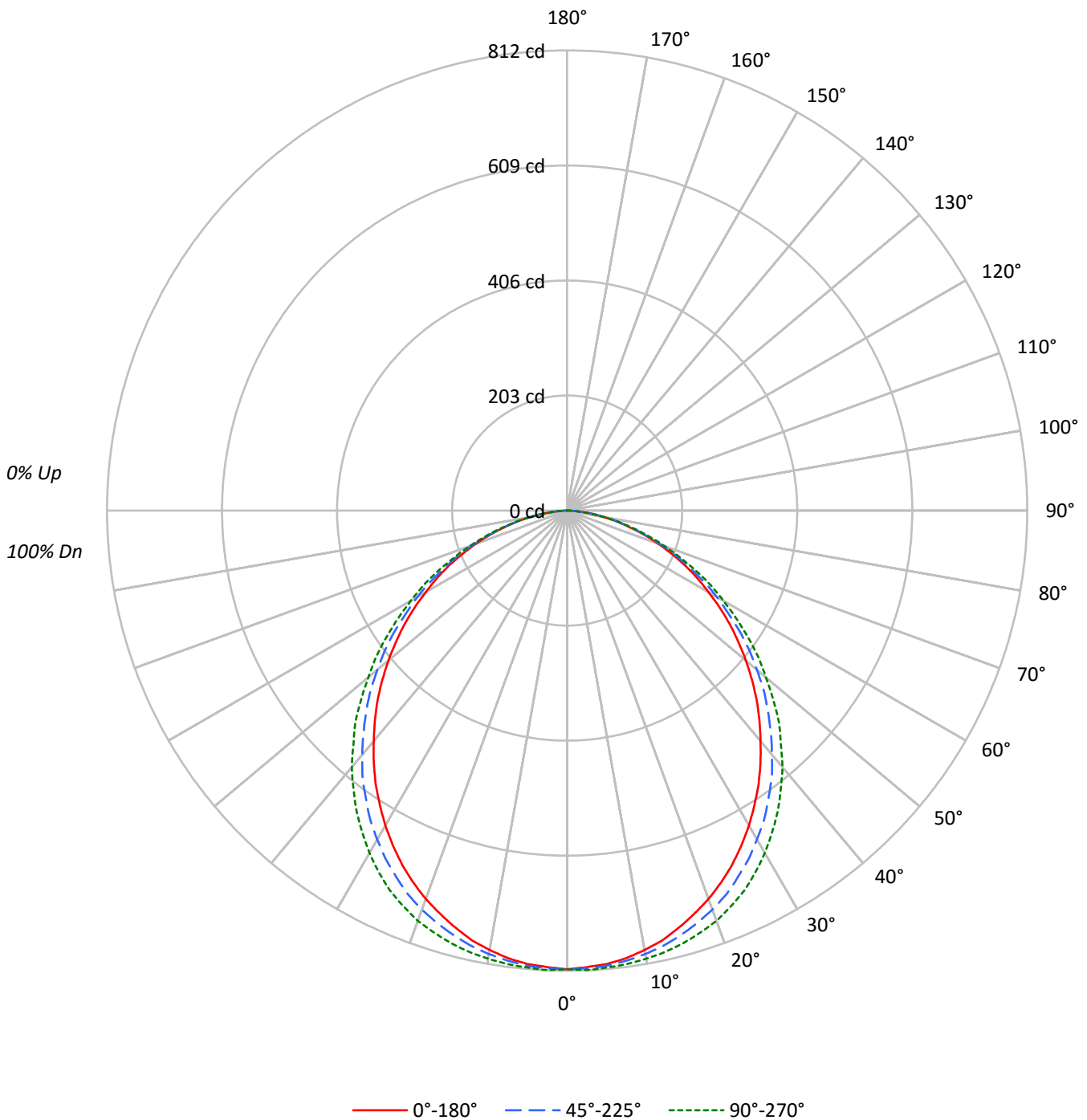
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	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°	2178	2178	2178
5°	2169	2178	2186
10°	2151	2171	2194
15°	2123	2161	2202
20°	2088	2146	2206
25°	2046	2118	2197
30°	1994	2082	2167
35°	1935	2035	2128
40°	1865	1976	2076
45°	1799	1908	2012
50°	1723	1829	1917
55°	1644	1743	1827
60°	1551	1641	1715
65°	1465	1519	1592
70°	1345	1386	1437
75°	1196	1229	1262
80°	1031	1013	1013
85°	781	716	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.6
10°-20°	218.9	10.3
20°-30°	328.6	15.5
30°-40°	386.7	18.2
40°-50°	385.7	18.2
50°-60°	331.0	15.6
60°-70°	237.1	11.2
70°-80°	125.6	5.9
80°-90°	29.4	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°	624.0	29.4
0°-40°	1010.8	47.7
0°-60°	1727.5	81.5
0°-90°	2119.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	803	803	806	808	809	76
15°	762	765	776	786	790	215
25°	689	695	713	731	740	317
35°	589	596	620	641	648	368
45°	473	480	501	519	529	364
55°	350	356	372	384	389	313
65°	230	231	238	248	250	227
75°	115	115	118	120	121	123
85°	25	24	23	21	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	809.4	809.4	809.4	809.4	809.4
2.5°	806.2	806.2	808.4	810.5	811.5
5°	803.1	803.1	806.2	808.4	809.4
7.5°	796.7	796.7	801.0	805.2	807.3
10°	787.2	789.4	794.6	801.0	803.1
12.5°	776.7	778.8	786.2	794.6	797.8
15°	761.9	765.1	775.6	786.2	790.4
17.5°	746.1	750.3	763.0	775.6	780.9
20°	729.2	733.4	749.3	764.0	770.4
22.5°	710.2	715.5	733.4	749.3	755.6
25°	689.1	695.4	713.4	731.3	739.8
27.5°	665.9	673.3	693.3	712.3	719.7
30°	641.6	650.1	670.1	690.2	697.5
32.5°	615.2	622.6	646.9	665.9	673.3
35°	588.9	596.2	619.5	640.6	647.9
37.5°	560.4	569.9	593.1	612.1	619.5
40°	530.8	540.3	562.5	584.6	591.0
42.5°	502.3	510.8	531.9	551.9	558.2
45°	472.8	480.2	501.3	519.2	528.7
47.5°	442.2	449.6	470.7	487.5	492.8
50°	411.6	418.9	436.9	451.7	458.0
52.5°	381.0	388.3	405.2	418.9	425.3
55°	350.4	355.6	371.5	384.1	389.4
57.5°	319.8	324.0	336.6	350.4	353.5
60°	288.1	293.4	305.0	314.5	318.7
62.5°	259.6	261.7	272.3	280.7	286.0
65°	230.1	231.1	238.5	248.0	250.1
67.5°	199.4	200.5	207.9	213.2	215.3
70°	171.0	171.0	176.2	180.5	182.6
72.5°	143.5	142.5	145.6	149.9	152.0
75°	115.0	115.0	118.2	120.3	121.4
77.5°	90.8	88.6	90.8	92.9	92.9
80°	66.5	65.4	65.4	66.5	65.4
82.5°	45.4	44.3	45.4	43.3	42.2
85°	25.3	24.3	23.2	21.1	21.1
87.5°	8.4	7.4	7.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)