

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: P257279

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1961.1 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

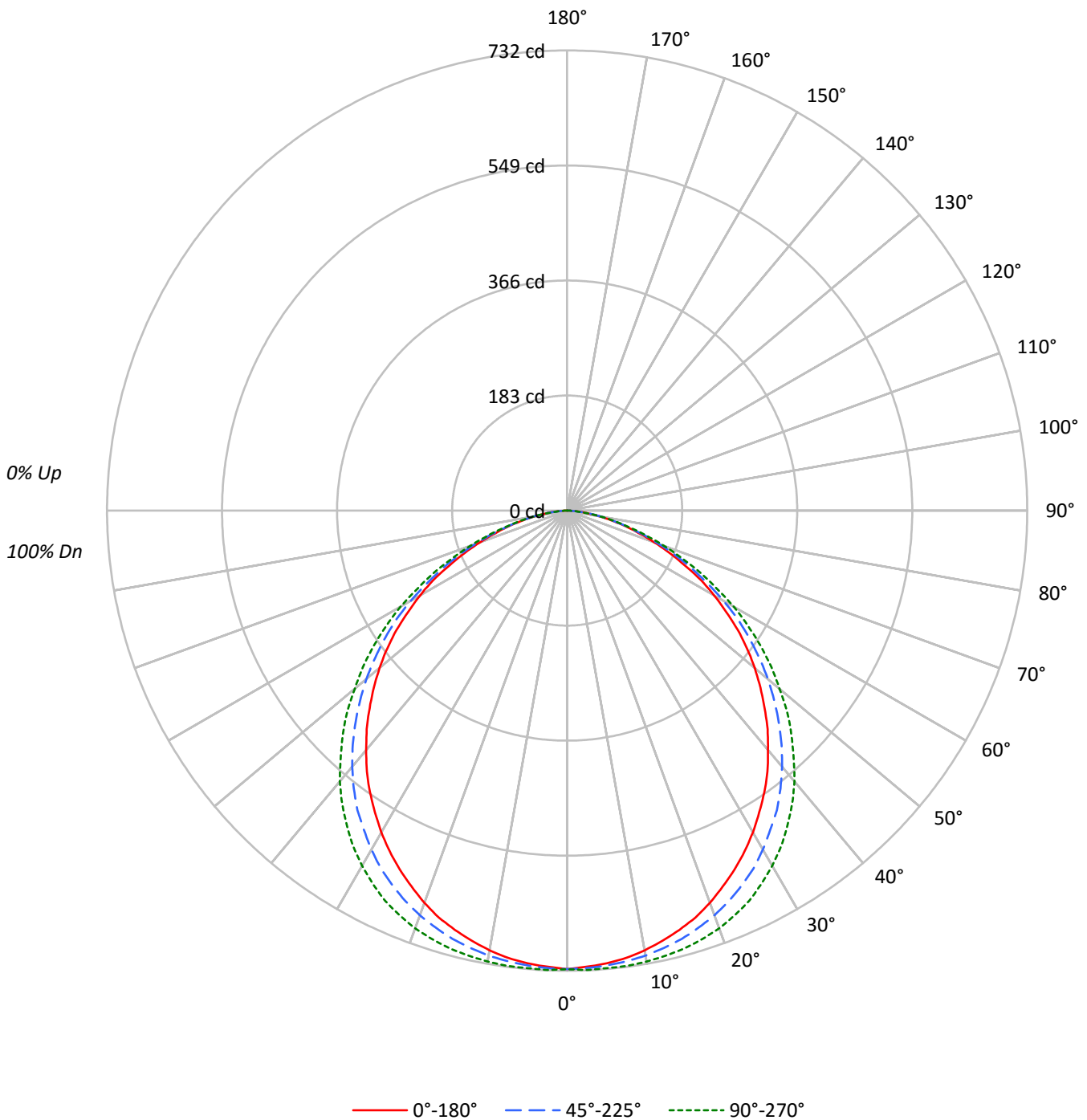
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1963	1963	1963
5°	1953	1962	1973
10°	1941	1964	1990
15°	1923	1965	2009
20°	1901	1962	2025
25°	1871	1953	2034
30°	1837	1935	2027
35°	1796	1911	2008
40°	1747	1869	1976
45°	1691	1812	1920
50°	1631	1746	1847
55°	1555	1659	1763
60°	1454	1545	1647
65°	1317	1398	1486
70°	1163	1221	1287
75°	999	1021	1065
80°	801	818	834
85°	587	522	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.5
10°-20°	199.1	10.2
20°-30°	302.9	15.4
30°-40°	362.4	18.5
40°-50°	366.3	18.7
50°-60°	315.3	16.1
60°-70°	217.7	11.1
70°-80°	105.5	5.4
80°-90°	22.9	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°	571.1	29.1
0°-40°	933.5	47.6
0°-60°	1615.1	82.4
0°-90°	1961.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1961.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	723	724	726	729	730	69
15°	690	695	705	716	721	195
25°	630	638	658	678	685	290
35°	547	556	582	603	611	342
45°	444	453	476	496	505	343
55°	332	337	354	370	376	296
65°	207	210	220	229	233	206
75°	96	94	98	101	102	102
85°	19	19	17	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.4	729.4	729.4	729.4	729.4
2.5°	726.3	726.3	728.4	730.5	731.5
5°	723.1	724.2	726.3	729.4	730.5
7.5°	717.8	718.9	723.1	728.4	730.5
10°	710.4	712.5	718.9	725.2	728.4
12.5°	700.9	705.2	712.5	721.0	725.2
15°	690.4	694.6	705.2	715.7	721.0
17.5°	678.8	683.0	695.7	709.4	714.7
20°	664.0	670.3	685.1	700.9	707.3
22.5°	647.1	655.5	672.4	689.3	696.7
25°	630.2	637.6	657.6	677.7	685.1
27.5°	611.2	619.6	641.8	661.9	669.3
30°	591.1	599.6	622.8	645.0	652.4
32.5°	569.0	579.5	601.7	624.9	633.4
35°	546.8	556.3	581.6	602.8	611.2
37.5°	523.6	532.0	557.4	579.5	588.0
40°	497.2	506.7	532.0	554.2	562.6
42.5°	471.9	481.4	504.6	525.7	533.1
45°	444.4	452.9	476.1	496.1	504.6
47.5°	417.0	426.5	446.5	466.6	475.0
50°	389.5	396.9	417.0	436.0	441.2
52.5°	361.0	367.4	385.3	402.2	409.6
55°	331.5	336.7	353.6	369.5	375.8
57.5°	299.8	306.1	322.0	333.6	341.0
60°	270.2	273.4	287.1	298.7	306.1
62.5°	240.7	241.7	252.3	263.9	268.1
65°	206.9	210.1	219.6	229.1	233.3
67.5°	176.3	179.5	186.8	194.2	197.4
70°	147.8	147.8	155.2	160.5	163.6
72.5°	119.3	120.3	125.6	128.8	132.0
75°	96.1	93.9	98.2	101.3	102.4
77.5°	71.8	70.7	73.9	74.9	77.1
80°	51.7	51.7	52.8	53.8	53.8
82.5°	33.8	33.8	34.8	32.7	31.7
85°	19.0	19.0	16.9	16.9	16.9
87.5°	6.3	6.3	6.3	7.4	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)