

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: P257555

Luminaire Tested: **D3X-WO-23L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257555
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-23L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2115.6 lumens
Efficiency: N/A
Efficacy: 95.3 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

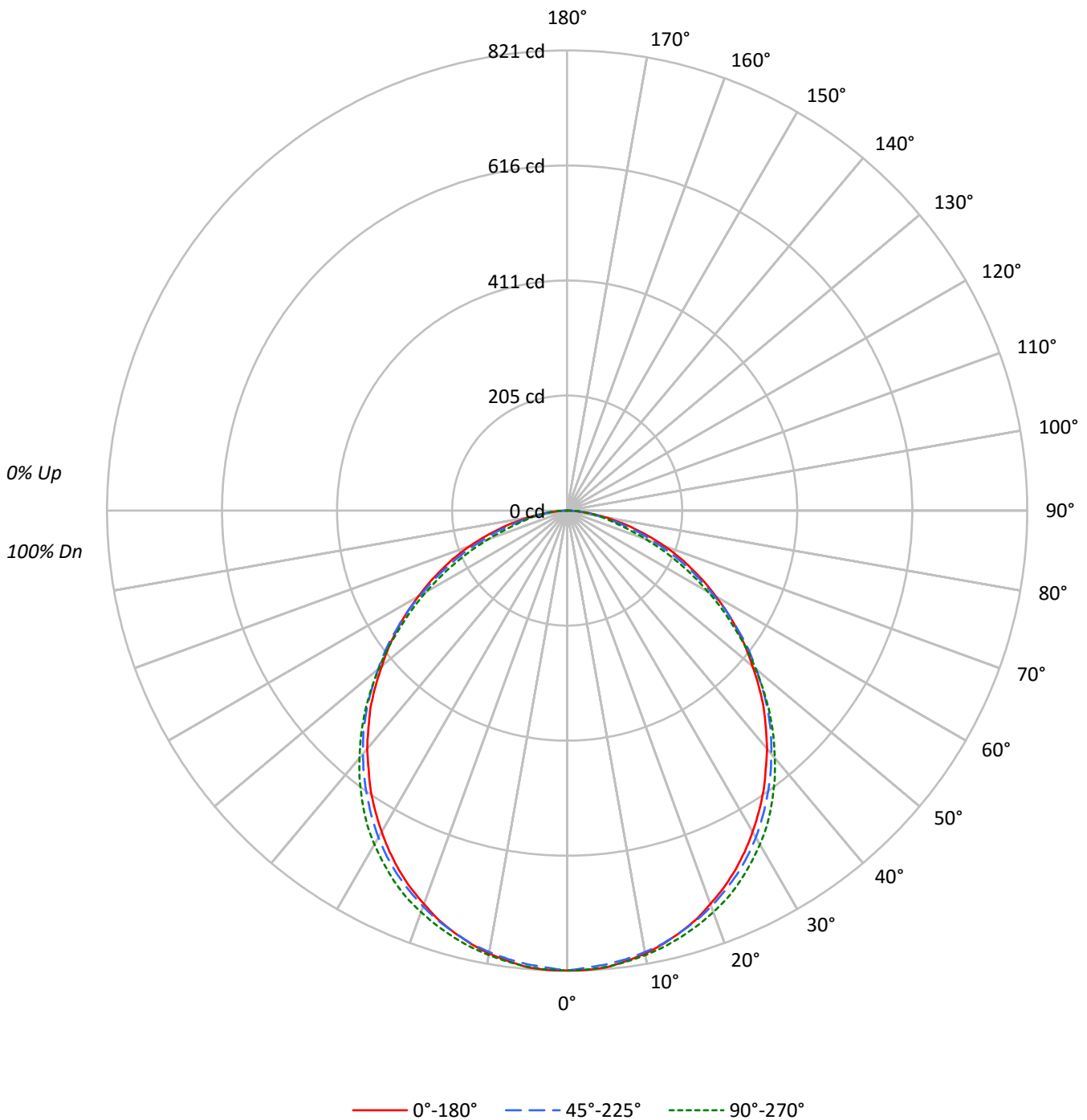
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	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°	2208	2208	2208
5°	2209	2195	2207
10°	2193	2186	2200
15°	2171	2171	2194
20°	2139	2152	2183
25°	2104	2127	2167
30°	2056	2093	2137
35°	2006	2045	2092
40°	1950	1991	2025
45°	1887	1928	1945
50°	1806	1843	1836
55°	1738	1750	1704
60°	1651	1626	1564
65°	1559	1496	1393
70°	1446	1327	1179
75°	1287	1137	970
80°	1071	931	903
85°	775	831	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	3.7
10°-20°	220.6	10.4
20°-30°	330.6	15.6
30°-40°	389.5	18.4
40°-50°	388.5	18.4
50°-60°	330.5	15.6
60°-70°	230.6	10.9
70°-80°	117.2	5.5
80°-90°	30.6	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°	628.6	29.7
0°-40°	1018.2	48.1
0°-60°	1737.1	82.1
0°-90°	2115.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2115.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	818	816	812	817	817	78
15°	779	779	779	786	787	220
25°	708	709	716	727	730	326
35°	611	612	622	635	637	382
45°	496	498	507	510	511	382
55°	370	370	373	368	363	331
65°	245	241	235	222	219	243
75°	124	119	109	96	93	131
85°	25	26	27	27	27	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	820.6	820.6	820.6	820.6	820.6
2.5°	820.6	819.7	816.1	819.7	819.7
5°	817.9	816.1	812.5	817.0	817.0
7.5°	810.7	809.8	807.1	811.6	811.6
10°	802.6	801.7	799.9	805.3	805.3
12.5°	791.9	791.9	791.0	796.4	797.3
15°	779.3	779.3	779.3	786.5	787.4
17.5°	765.0	764.1	766.8	774.8	775.7
20°	747.0	747.9	751.5	760.5	762.3
22.5°	729.1	730.0	734.5	745.2	747.9
25°	708.5	709.4	716.5	727.3	730.0
27.5°	686.1	687.8	695.9	707.6	709.4
30°	661.8	663.6	673.5	685.2	687.8
32.5°	636.7	639.4	648.4	660.9	664.5
35°	610.7	611.6	622.4	634.9	636.7
37.5°	582.0	584.7	595.5	606.2	608.0
40°	555.1	556.9	566.8	575.7	576.6
42.5°	524.6	527.3	538.1	544.4	544.4
45°	495.9	497.7	506.7	510.3	511.2
47.5°	463.6	465.4	473.5	475.3	475.3
50°	431.4	435.8	440.3	440.3	438.5
52.5°	401.8	402.7	408.0	404.5	402.7
55°	370.4	370.4	373.1	367.7	363.2
57.5°	339.0	339.0	339.0	331.8	328.2
60°	306.7	305.8	302.2	293.3	290.6
62.5°	276.2	273.5	268.1	259.2	253.8
65°	244.8	241.2	235.0	222.4	218.8
67.5°	215.2	209.0	201.8	190.1	183.8
70°	183.8	178.5	168.6	155.1	149.8
72.5°	153.4	148.0	139.9	126.4	118.4
75°	123.8	119.3	109.4	96.0	93.3
77.5°	95.1	92.4	82.5	76.2	75.3
80°	69.1	68.2	60.1	58.3	58.3
82.5°	45.7	44.8	42.1	42.1	41.3
85°	25.1	26.0	26.9	26.9	26.9
87.5°	9.0	10.8	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)