

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: P257432

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-23L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2005.3 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

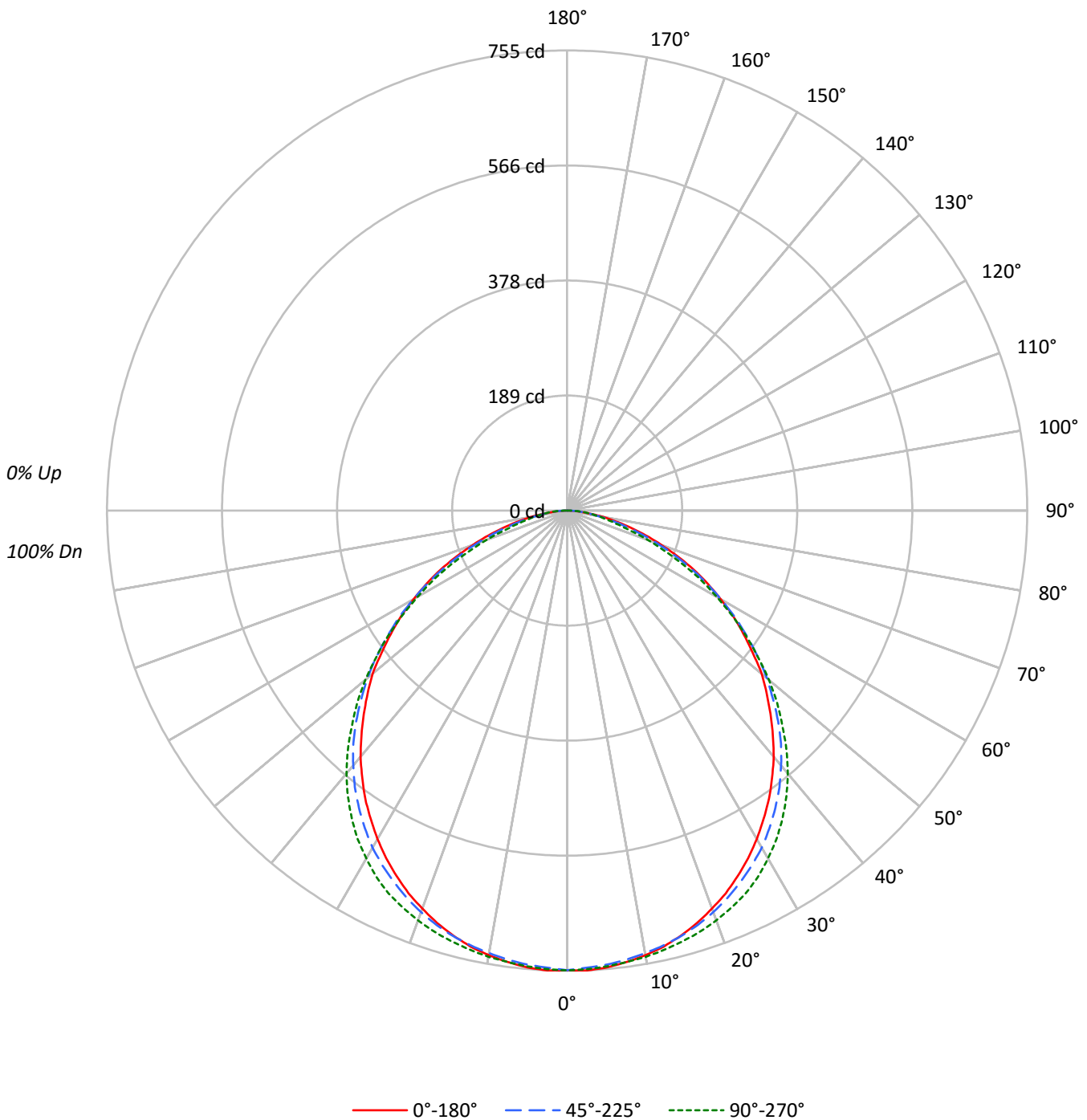
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2030	2030	2030
5°	2032	2020	2028
10°	2024	2014	2031
15°	2011	2014	2038
20°	1990	2008	2049
25°	1965	1997	2058
30°	1934	1984	2048
35°	1897	1956	2024
40°	1852	1918	1978
45°	1795	1863	1901
50°	1746	1791	1809
55°	1658	1691	1683
60°	1568	1568	1525
65°	1456	1422	1342
70°	1291	1234	1115
75°	1119	1016	858
80°	917	792	778
85°	608	719	775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	3.6
10°-20°	204.7	10.2
20°-30°	311.1	15.5
30°-40°	372.5	18.6
40°-50°	375.7	18.7
50°-60°	320.0	16.0
60°-70°	218.8	10.9
70°-80°	104.8	5.2
80°-90°	26.5	1.3
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°	587.1	29.3
0°-40°	959.5	47.8
0°-60°	1655.2	82.5
0°-90°	2005.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	752	752	748	752	751	71
15°	722	720	723	731	732	204
25°	662	663	673	688	693	305
35°	578	579	595	612	616	361
45°	472	475	490	500	500	364
55°	353	355	360	361	359	316
65°	229	224	223	215	211	226
75°	108	106	98	85	82	115
85°	20	22	23	24	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.2	754.2	754.2	754.2	754.2
2.5°	755.1	754.2	750.6	754.2	753.3
5°	752.4	751.5	747.9	751.5	750.6
7.5°	747.0	746.1	743.4	747.0	747.0
10°	740.7	738.9	737.1	742.5	743.4
12.5°	732.6	730.8	730.8	737.1	738.0
15°	721.9	720.1	722.8	730.8	731.7
17.5°	709.3	708.4	712.9	722.8	724.6
20°	695.0	694.1	701.2	712.9	715.6
22.5°	679.7	679.7	687.8	701.2	704.8
25°	661.8	662.7	672.6	687.8	693.2
27.5°	643.0	644.8	656.4	673.5	677.9
30°	622.3	625.0	638.5	654.6	659.1
32.5°	599.9	602.6	617.9	634.9	639.4
35°	577.5	579.3	595.4	612.5	616.1
37.5°	552.4	555.1	572.1	587.4	591.0
40°	527.3	530.0	546.1	560.5	563.2
42.5°	499.5	503.1	519.2	530.9	532.7
45°	471.7	475.3	489.6	499.5	499.5
47.5°	443.9	445.7	458.2	468.1	467.2
50°	417.0	416.1	427.7	432.2	432.2
52.5°	383.8	386.5	394.6	397.3	394.6
55°	353.3	355.1	360.5	361.4	358.7
57.5°	323.7	322.8	327.3	324.6	321.0
60°	291.4	291.4	291.4	288.7	283.4
62.5°	260.1	258.3	257.4	251.1	248.4
65°	228.7	224.2	223.3	215.2	210.7
67.5°	195.5	193.7	189.2	181.1	173.1
70°	164.1	162.3	156.9	147.1	141.7
72.5°	135.4	133.6	126.4	114.8	107.6
75°	107.6	105.8	97.7	85.2	82.5
77.5°	81.6	80.7	72.6	66.4	65.5
80°	59.2	58.3	51.1	51.1	50.2
82.5°	37.7	37.7	35.9	36.8	37.7
85°	19.7	21.5	23.3	24.2	25.1
87.5°	6.3	9.9	11.7	12.6	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)