

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: P257431

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257431
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-23L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1933.6 lumens
Efficiency: N/A
Efficacy: 87.1 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

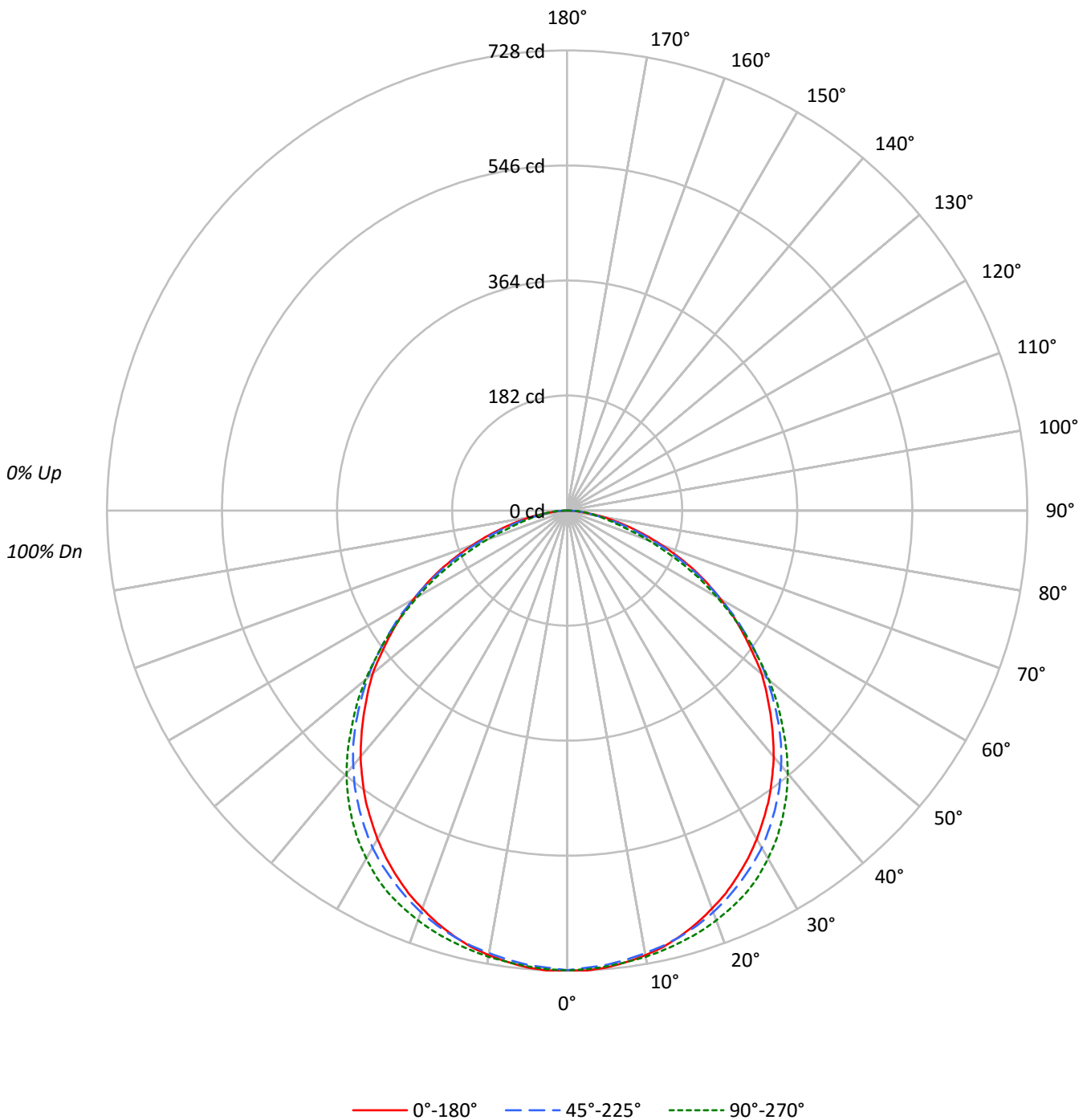
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1957	1957	1957
5°	1960	1948	1955
10°	1952	1942	1959
15°	1939	1941	1966
20°	1919	1936	1976
25°	1895	1926	1985
30°	1865	1913	1975
35°	1829	1886	1951
40°	1786	1850	1907
45°	1731	1797	1833
50°	1683	1727	1745
55°	1598	1631	1623
60°	1512	1512	1470
65°	1404	1371	1294
70°	1245	1190	1075
75°	1079	980	828
80°	885	764	750
85°	587	695	747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	3.6
10°-20°	197.4	10.2
20°-30°	300.0	15.5
30°-40°	359.1	18.6
40°-50°	362.3	18.7
50°-60°	308.6	16.0
60°-70°	211.0	10.9
70°-80°	101.0	5.2
80°-90°	25.6	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°	566.1	29.3
0°-40°	925.2	47.8
0°-60°	1596.1	82.5
0°-90°	1933.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	726	725	721	725	724	69
15°	696	694	697	705	706	196
25°	638	639	648	663	668	294
35°	557	559	574	591	594	348
45°	455	458	472	482	482	351
55°	341	342	348	348	346	305
65°	220	216	215	208	203	217
75°	104	102	94	82	80	111
85°	19	21	22	23	24	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	727.2	727.2	727.2	727.2	727.2
2.5°	728.1	727.2	723.8	727.2	726.3
5°	725.5	724.6	721.2	724.6	723.8
7.5°	720.3	719.4	716.8	720.3	720.3
10°	714.2	712.5	710.8	716.0	716.8
12.5°	706.5	704.7	704.7	710.8	711.6
15°	696.1	694.4	696.9	704.7	705.6
17.5°	684.0	683.1	687.4	696.9	698.7
20°	670.1	669.3	676.2	687.4	690.0
22.5°	655.4	655.4	663.2	676.2	679.7
25°	638.1	639.0	648.5	663.2	668.4
27.5°	620.0	621.7	633.0	649.4	653.7
30°	600.1	602.7	615.7	631.2	635.6
32.5°	578.5	581.1	595.8	612.2	616.5
35°	556.9	558.6	574.2	590.6	594.0
37.5°	532.7	535.2	551.7	566.4	569.8
40°	508.4	511.0	526.6	540.4	543.0
42.5°	481.6	485.1	500.7	511.9	513.6
45°	454.8	458.3	472.1	481.6	481.6
47.5°	428.0	429.8	441.9	451.4	450.5
50°	402.1	401.2	412.5	416.8	416.8
52.5°	370.1	372.7	380.5	383.1	380.5
55°	340.7	342.4	347.6	348.5	345.9
57.5°	312.2	311.3	315.6	313.0	309.6
60°	281.0	281.0	281.0	278.4	273.2
62.5°	250.8	249.0	248.2	242.1	239.5
65°	220.5	216.2	215.3	207.5	203.2
67.5°	188.5	186.8	182.5	174.7	166.9
70°	158.2	156.5	151.3	141.8	136.6
72.5°	130.6	128.8	121.9	110.7	103.8
75°	103.8	102.0	94.3	82.1	79.6
77.5°	78.7	77.8	70.0	64.0	63.1
80°	57.1	56.2	49.3	49.3	48.4
82.5°	36.3	36.3	34.6	35.5	36.3
85°	19.0	20.8	22.5	23.3	24.2
87.5°	6.1	9.5	11.2	12.1	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)