

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: P257310

Luminaire Tested: **D3X-WD-23L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-23L940-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

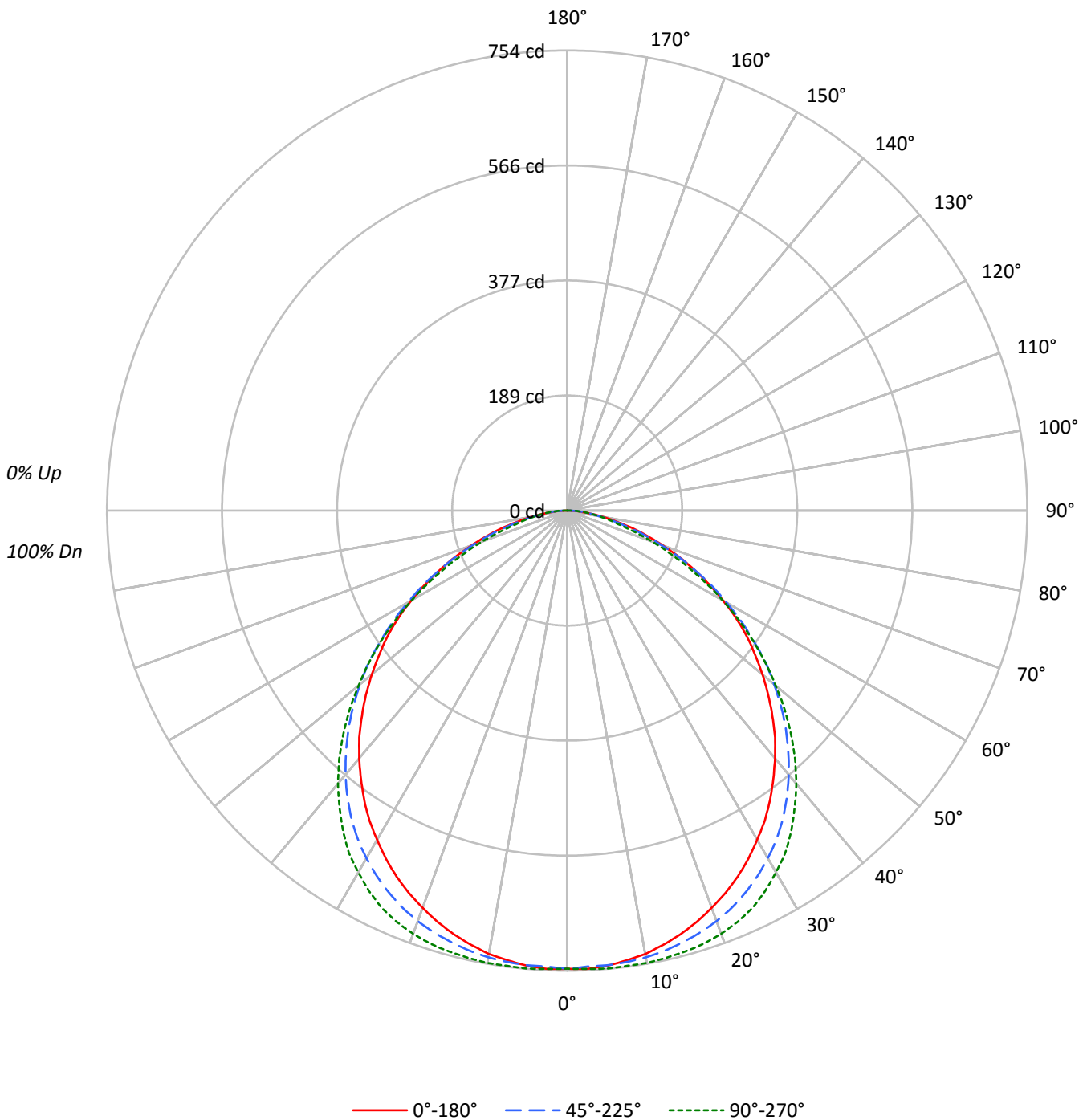
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2020	2020	2020
5°	2023	2021	2035
10°	2016	2031	2056
15°	2002	2040	2084
20°	1984	2050	2113
25°	1964	2051	2133
30°	1935	2044	2127
35°	1904	2025	2103
40°	1861	1984	2052
45°	1810	1929	1975
50°	1749	1852	1868
55°	1688	1752	1744
60°	1589	1624	1584
65°	1465	1470	1388
70°	1310	1281	1165
75°	1138	1062	899
80°	913	828	828
85°	655	766	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.5
10°-20°	207.2	10.1
20°-30°	318.2	15.4
30°-40°	383.2	18.6
40°-50°	387.3	18.8
50°-60°	330.3	16.0
60°-70°	226.1	11.0
70°-80°	109.1	5.3
80°-90°	28.1	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°	596.8	29.0
0°-40°	980.1	47.6
0°-60°	1697.7	82.4
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	749	749	748	753	754	71
15°	718	724	732	745	748	203
25°	662	672	691	711	718	305
35°	580	592	616	636	640	362
45°	476	488	507	519	519	367
55°	360	366	374	375	372	320
65°	230	233	231	223	218	228
75°	110	110	102	90	86	116
85°	21	23	25	26	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	750.7	750.7	750.7	750.7	750.7
2.5°	751.6	750.7	748.0	751.6	751.6
5°	748.9	748.9	748.0	752.6	753.5
7.5°	743.4	745.2	746.1	751.6	752.6
10°	737.8	739.7	743.4	750.7	752.6
12.5°	728.6	732.3	738.8	748.9	750.7
15°	718.5	724.0	732.3	745.2	748.0
17.5°	706.6	713.9	725.0	739.7	744.3
20°	692.8	701.0	715.8	732.3	737.8
22.5°	678.0	687.2	704.7	724.0	729.6
25°	661.5	671.6	690.9	711.2	718.5
27.5°	643.1	654.1	675.3	696.4	702.9
30°	622.8	634.8	657.8	679.0	684.5
32.5°	602.6	614.6	638.5	658.7	665.2
35°	579.6	592.5	616.4	635.7	640.3
37.5°	554.8	567.6	591.6	610.9	612.7
40°	529.9	542.8	564.9	582.4	584.2
42.5°	504.2	516.1	536.4	551.1	552.9
45°	475.6	488.5	506.9	518.9	518.9
47.5°	447.1	460.0	475.6	483.9	483.9
50°	417.7	429.6	442.5	447.1	446.2
52.5°	388.2	399.3	410.3	411.2	409.4
55°	359.7	366.2	373.5	375.4	371.7
57.5°	328.4	334.0	338.6	335.8	333.0
60°	295.3	300.8	301.8	297.2	294.4
62.5°	263.1	267.7	267.7	260.4	255.8
65°	230.0	232.8	230.9	222.6	218.0
67.5°	198.7	200.6	196.9	188.6	181.2
70°	166.5	167.4	162.8	152.7	148.1
72.5°	137.1	138.0	132.5	120.5	115.0
75°	109.5	109.5	102.1	90.2	86.5
77.5°	81.9	84.6	76.4	69.9	69.9
80°	58.9	61.6	53.4	54.3	53.4
82.5°	38.6	41.4	38.6	38.6	38.6
85°	21.2	23.0	24.8	25.8	25.8
87.5°	6.4	11.0	12.0	12.9	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)