

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: P257556

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257556
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-23L940-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170.5 lumens
Efficiency: N/A
Efficacy: 97.8 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

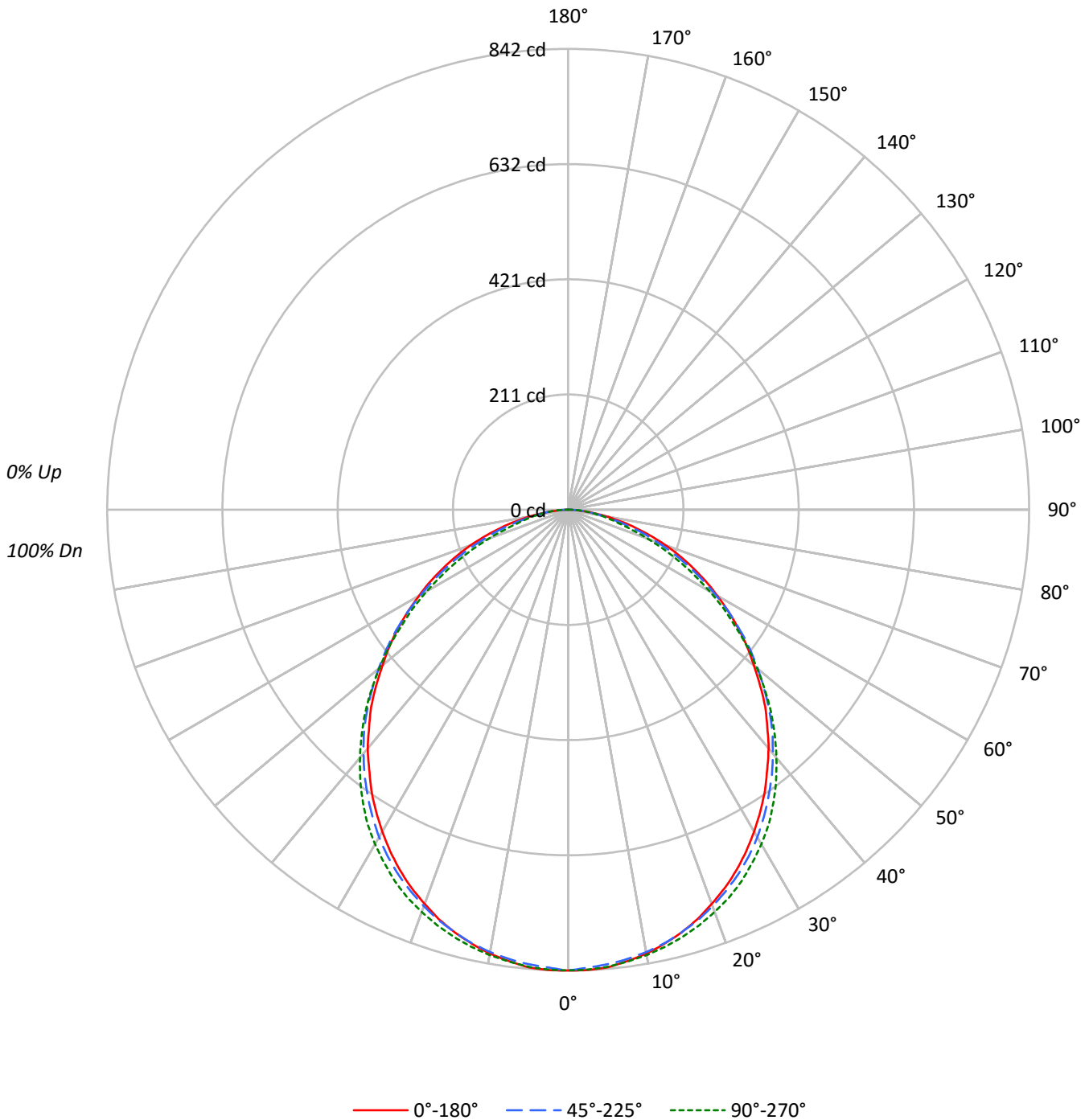
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2266	2266	2266
5°	2267	2252	2264
10°	2250	2243	2258
15°	2227	2227	2250
20°	2195	2208	2240
25°	2158	2183	2224
30°	2110	2147	2193
35°	2058	2098	2146
40°	2001	2043	2078
45°	1936	1978	1996
50°	1853	1891	1883
55°	1783	1796	1748
60°	1694	1669	1604
65°	1599	1535	1429
70°	1484	1361	1209
75°	1320	1167	995
80°	1097	955	927
85°	797	852	852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.7
10°-20°	226.3	10.4
20°-30°	339.2	15.6
30°-40°	399.6	18.4
40°-50°	398.6	18.4
50°-60°	339.0	15.6
60°-70°	236.6	10.9
70°-80°	120.3	5.5
80°-90°	31.4	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°	645.0	29.7
0°-40°	1044.6	48.1
0°-60°	1782.2	82.1
0°-90°	2170.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2170.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	839	837	834	838	838	80
15°	800	800	800	807	808	225
25°	727	728	735	746	749	335
35°	627	628	638	651	653	391
45°	509	511	520	524	524	391
55°	380	380	383	377	373	340
65°	251	248	241	228	224	249
75°	127	122	112	98	96	135
85°	26	27	28	28	28	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.9	841.9	841.9	841.9	841.9
2.5°	841.9	841.0	837.3	841.0	841.0
5°	839.1	837.3	833.6	838.2	838.2
7.5°	831.8	830.8	828.1	832.7	832.7
10°	823.5	822.6	820.7	826.2	826.2
12.5°	812.4	812.4	811.5	817.0	818.0
15°	799.5	799.5	799.5	806.9	807.8
17.5°	784.8	783.9	786.7	794.9	795.9
20°	766.4	767.3	771.0	780.2	782.1
22.5°	748.0	748.9	753.5	764.6	767.3
25°	726.9	727.8	735.1	746.2	748.9
27.5°	703.9	705.7	714.0	725.9	727.8
30°	679.0	680.9	691.0	702.9	705.7
32.5°	653.3	656.0	665.2	678.1	681.8
35°	626.6	627.5	638.5	651.4	653.3
37.5°	597.1	599.9	610.9	622.0	623.8
40°	569.5	571.4	581.5	590.7	591.6
42.5°	538.2	541.0	552.0	558.5	558.5
45°	508.8	510.6	519.8	523.5	524.4
47.5°	475.7	477.5	485.8	487.6	487.6
50°	442.6	447.2	451.8	451.8	449.9
52.5°	412.2	413.1	418.6	415.0	413.1
55°	380.0	380.0	382.8	377.2	372.6
57.5°	347.8	347.8	347.8	340.4	336.7
60°	314.7	313.7	310.1	300.9	298.1
62.5°	283.4	280.6	275.1	265.9	260.4
65°	251.2	247.5	241.1	228.2	224.5
67.5°	220.8	214.4	207.0	195.1	188.6
70°	188.6	183.1	173.0	159.2	153.7
72.5°	157.3	151.8	143.5	129.7	121.5
75°	127.0	122.4	112.2	98.4	95.7
77.5°	97.5	94.8	84.6	78.2	77.3
80°	70.8	69.9	61.6	59.8	59.8
82.5°	46.9	46.0	43.2	43.2	42.3
85°	25.8	26.7	27.6	27.6	27.6
87.5°	9.2	11.0	12.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)