

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: P257316

Luminaire Tested: **D3X-WD-26L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257316
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-26L940-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: 2299.0 lumens
Efficiency: N/A
Efficacy: 93.1 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

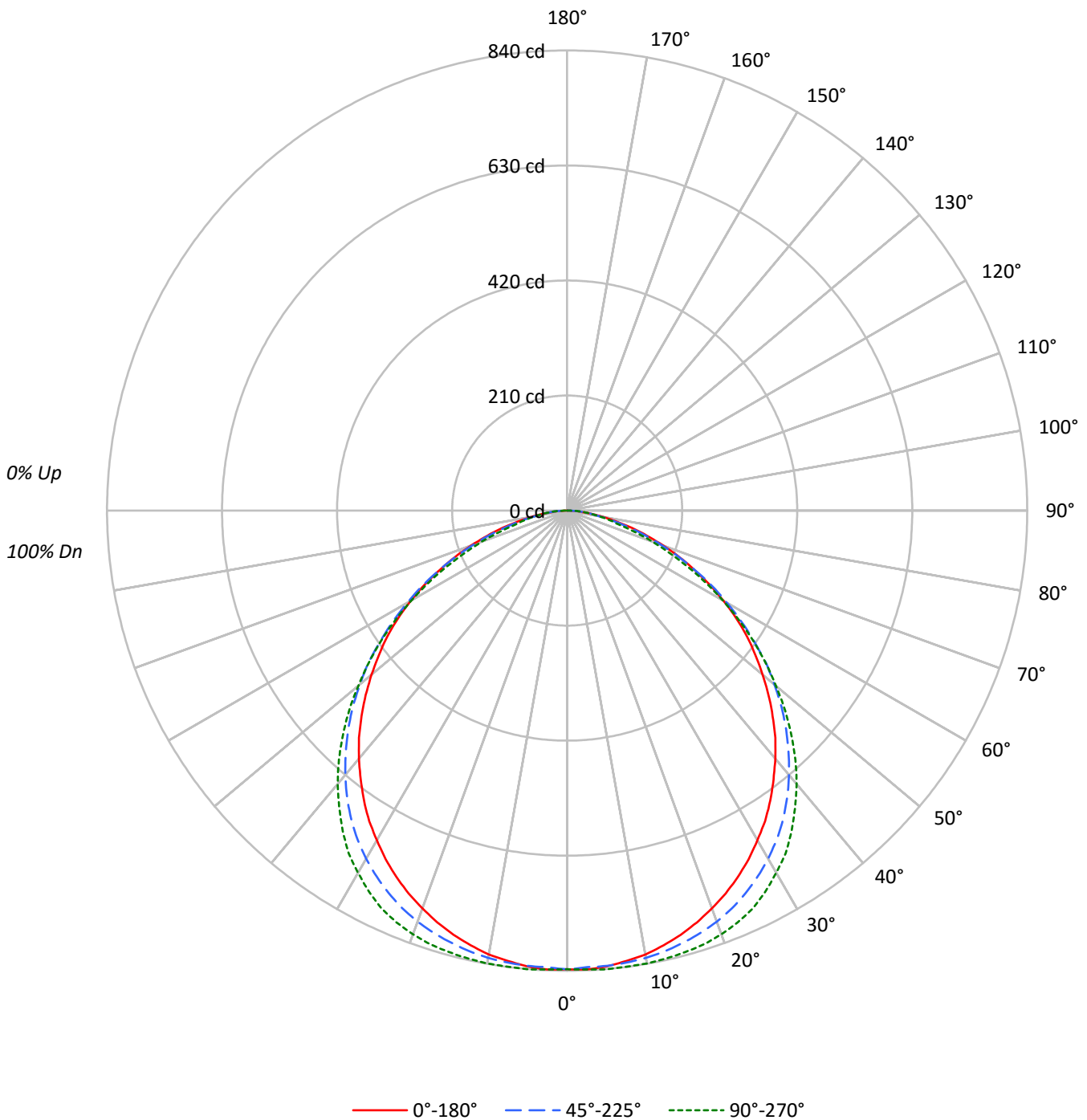
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2253	2253	2253
5°	2256	2254	2270
10°	2249	2266	2294
15°	2233	2276	2324
20°	2213	2286	2357
25°	2191	2288	2380
30°	2159	2280	2372
35°	2124	2259	2347
40°	2076	2213	2289
45°	2019	2152	2203
50°	1950	2066	2084
55°	1883	1955	1945
60°	1773	1812	1767
65°	1634	1640	1549
70°	1461	1429	1300
75°	1269	1184	1003
80°	1018	922	922
85°	729	855	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	3.5
10°-20°	231.2	10.1
20°-30°	354.9	15.4
30°-40°	427.5	18.6
40°-50°	432.0	18.8
50°-60°	368.5	16.0
60°-70°	252.2	11.0
70°-80°	121.7	5.3
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°	665.7	29.0
0°-40°	1093.2	47.6
0°-60°	1893.7	82.4
0°-90°	2299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	835	835	834	840	840	79
15°	802	808	817	831	834	226
25°	738	749	771	793	802	340
35°	646	661	688	709	714	404
45°	531	545	565	579	579	409
55°	401	408	417	419	415	357
65°	257	260	258	248	243	255
75°	122	122	114	101	96	130
85°	24	26	28	29	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	837.4	837.4	837.4	837.4	837.4
2.5°	838.4	837.4	834.3	838.4	838.4
5°	835.3	835.3	834.3	839.5	840.5
7.5°	829.2	831.2	832.3	838.4	839.5
10°	823.0	825.1	829.2	837.4	839.5
12.5°	812.8	816.9	824.1	835.3	837.4
15°	801.5	807.6	816.9	831.2	834.3
17.5°	788.1	796.3	808.7	825.1	830.2
20°	772.7	782.0	798.4	816.9	823.0
22.5°	756.3	766.6	786.1	807.6	813.8
25°	737.9	749.1	770.7	793.3	801.5
27.5°	717.3	729.6	753.2	776.9	784.0
30°	694.8	708.1	733.7	757.4	763.5
32.5°	672.2	685.5	712.2	734.8	742.0
35°	646.5	660.9	687.6	709.1	714.3
37.5°	618.8	633.2	659.9	681.4	683.5
40°	591.1	605.5	630.1	649.6	651.7
42.5°	562.4	575.7	598.3	614.7	616.8
45°	530.6	544.9	565.4	578.8	578.8
47.5°	498.7	513.1	530.6	539.8	539.8
50°	465.9	479.2	493.6	498.7	497.7
52.5°	433.1	445.4	457.7	458.7	456.7
55°	401.3	408.4	416.6	418.7	414.6
57.5°	366.4	372.5	377.6	374.6	371.5
60°	329.4	335.6	336.6	331.5	328.4
62.5°	293.5	298.6	298.6	290.4	285.3
65°	256.6	259.6	257.6	248.3	243.2
67.5°	221.7	223.7	219.6	210.4	202.2
70°	185.7	186.8	181.6	170.4	165.2
72.5°	152.9	153.9	147.8	134.4	128.3
75°	122.1	122.1	113.9	100.6	96.5
77.5°	91.3	94.4	85.2	78.0	78.0
80°	65.7	68.8	59.5	60.5	59.5
82.5°	43.1	46.2	43.1	43.1	43.1
85°	23.6	25.7	27.7	28.7	28.7
87.5°	7.2	12.3	13.3	14.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)