

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: P257277

Luminaire Tested: **D3X-WD-25L835-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-25L835-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 3500 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2363.2 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

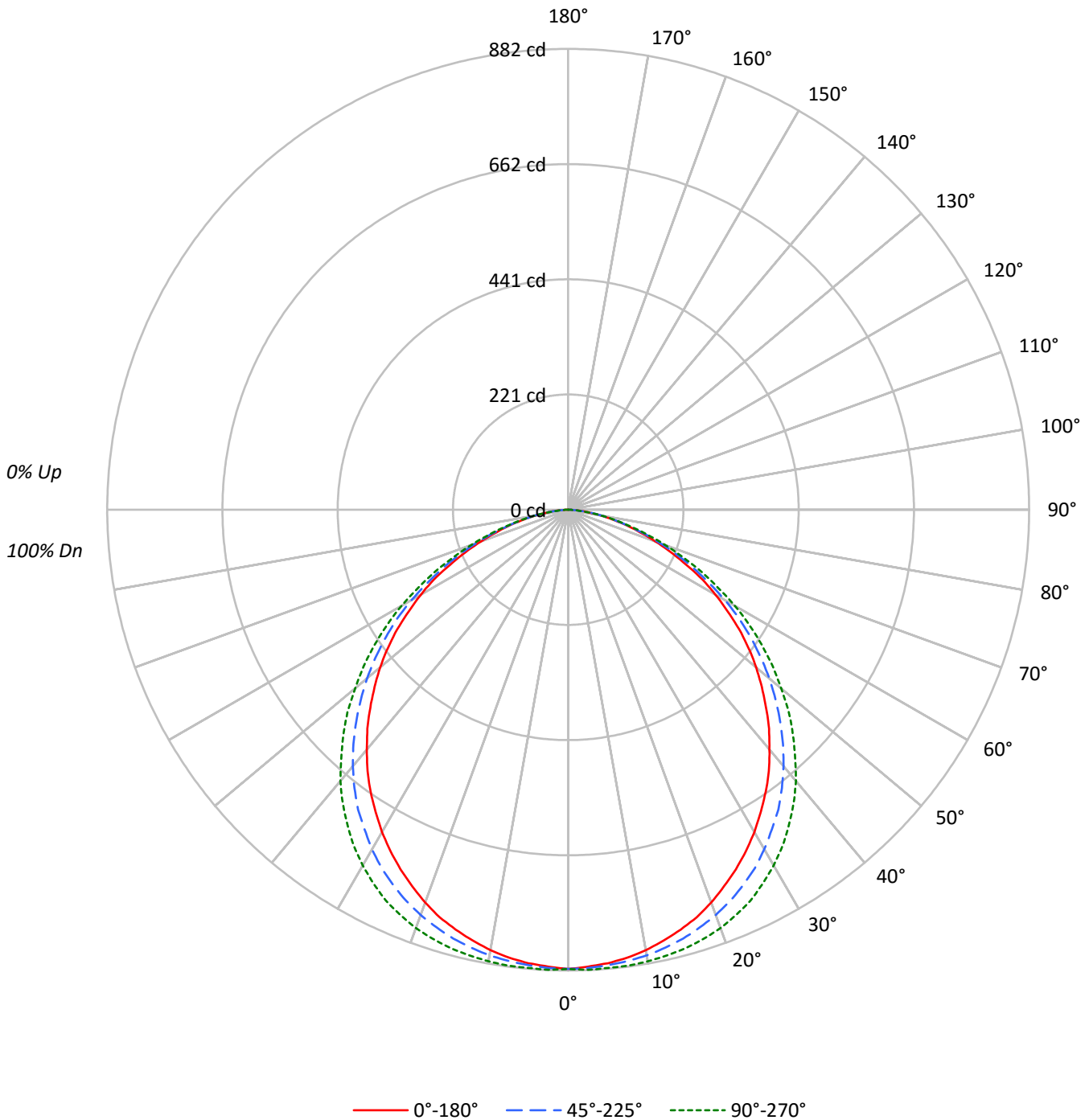
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2365	2365	2365
5°	2354	2364	2378
10°	2339	2367	2398
15°	2318	2367	2420
20°	2291	2364	2441
25°	2255	2353	2451
30°	2213	2332	2443
35°	2165	2303	2419
40°	2105	2252	2382
45°	2038	2183	2314
50°	1965	2103	2226
55°	1874	1999	2124
60°	1752	1862	1985
65°	1587	1685	1790
70°	1401	1471	1552
75°	1204	1230	1283
80°	965	986	1006
85°	707	630	630



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.3	3.5
10°-20°	239.9	10.2
20°-30°	365.0	15.4
30°-40°	436.6	18.5
40°-50°	441.4	18.7
50°-60°	379.9	16.1
60°-70°	262.3	11.1
70°-80°	127.2	5.4
80°-90°	27.6	1.2
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°	688.2	29.1
0°-40°	1124.8	47.6
0°-60°	1946.2	82.4
0°-90°	2363.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2363.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	871	873	875	879	880	83
15°	832	837	850	862	869	235
25°	759	768	792	817	826	350
35°	659	670	701	726	736	412
45°	536	546	574	598	608	413
55°	399	406	426	445	453	356
65°	249	253	265	276	281	248
75°	116	113	118	122	123	123
85°	23	23	20	20	20	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	879.0	879.0	879.0	879.0	879.0
2.5°	875.2	875.2	877.7	880.2	881.5
5°	871.3	872.6	875.2	879.0	880.2
7.5°	865.0	866.2	871.3	877.7	880.2
10°	856.1	858.6	866.2	873.9	877.7
12.5°	844.6	849.7	858.6	868.8	873.9
15°	831.9	837.0	849.7	862.4	868.8
17.5°	817.9	823.0	838.3	854.8	861.2
20°	800.1	807.7	825.5	844.6	852.3
22.5°	779.8	789.9	810.3	830.6	839.5
25°	759.4	768.3	792.5	816.6	825.5
27.5°	736.5	746.7	773.4	797.6	806.5
30°	712.3	722.5	750.5	777.2	786.1
32.5°	685.6	698.3	725.1	753.0	763.2
35°	658.9	670.4	700.9	726.3	736.5
37.5°	630.9	641.1	671.6	698.3	708.5
40°	599.1	610.6	641.1	667.8	678.0
42.5°	568.6	580.0	608.0	633.5	642.4
45°	535.5	545.7	573.7	597.9	608.0
47.5°	502.4	513.9	538.1	562.2	572.4
50°	469.4	478.3	502.4	525.3	531.7
52.5°	435.0	442.7	464.3	484.6	493.5
55°	399.4	405.8	426.1	445.2	452.8
57.5°	361.3	368.9	388.0	402.0	410.9
60°	325.6	329.5	346.0	360.0	368.9
62.5°	290.0	291.3	304.0	318.0	323.1
65°	249.3	253.1	264.6	276.0	281.1
67.5°	212.4	216.2	225.1	234.1	237.9
70°	178.1	178.1	187.0	193.3	197.2
72.5°	143.7	145.0	151.4	155.2	159.0
75°	115.8	113.2	118.3	122.1	123.4
77.5°	86.5	85.2	89.0	90.3	92.9
80°	62.3	62.3	63.6	64.9	64.9
82.5°	40.7	40.7	42.0	39.4	38.2
85°	22.9	22.9	20.4	20.4	20.4
87.5°	7.6	7.6	7.6	8.9	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)