

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: P257403

Luminaire Tested: **D3X-WG-25L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-25L935-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2063.4 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

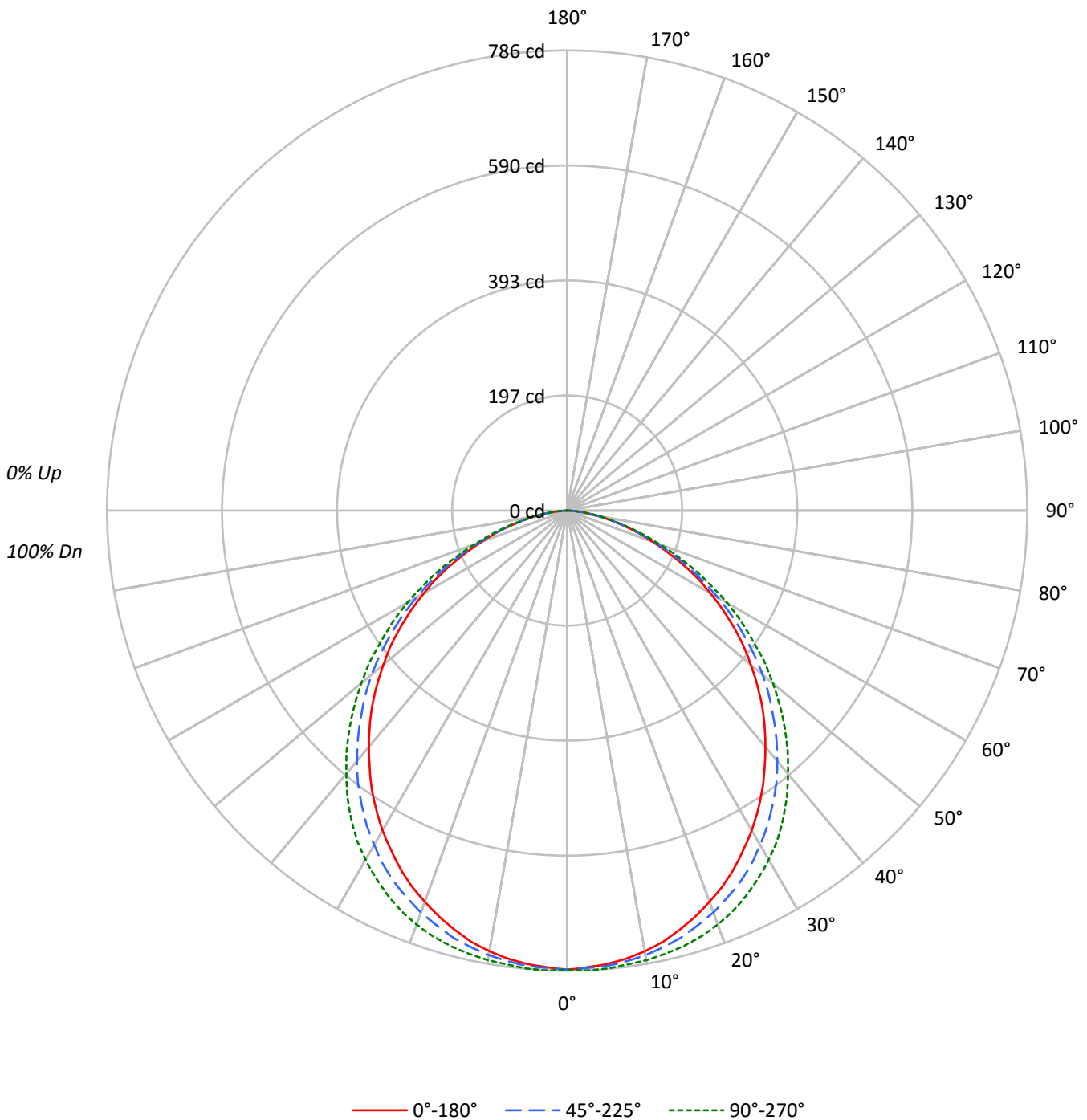
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2110	2110	2110
5°	2100	2109	2121
10°	2089	2107	2131
15°	2065	2102	2145
20°	2036	2092	2155
25°	2003	2078	2153
30°	1960	2049	2141
35°	1910	2011	2112
40°	1851	1962	2062
45°	1792	1896	2001
50°	1715	1825	1921
55°	1629	1721	1814
60°	1521	1603	1697
65°	1387	1450	1534
70°	1215	1267	1319
75°	1037	1059	1104
80°	832	849	866
85°	608	574	540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	3.6
10°-20°	213.0	10.3
20°-30°	322.0	15.6
30°-40°	382.5	18.5
40°-50°	384.0	18.6
50°-60°	328.0	15.9
60°-70°	226.0	11.0
70°-80°	109.6	5.3
80°-90°	24.0	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°	609.3	29.5
0°-40°	991.8	48.1
0°-60°	1703.9	82.6
0°-90°	2063.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	778	778	781	783	785	74
15°	741	745	755	764	770	209
25°	675	680	700	718	725	310
35°	582	590	612	635	643	363
45°	471	478	498	519	526	363
55°	347	353	367	382	387	310
65°	218	218	228	238	241	216
75°	100	98	102	104	106	107
85°	20	20	19	18	18	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	784.2	784.2	784.2	784.2	784.2
2.5°	780.9	780.9	782.0	785.3	786.3
5°	777.6	777.6	780.9	783.1	785.3
7.5°	772.1	773.2	776.5	780.9	782.0
10°	764.4	765.5	771.0	776.5	779.8
12.5°	754.6	756.8	763.3	772.1	775.4
15°	741.4	744.7	754.6	764.4	769.9
17.5°	727.2	731.6	742.5	756.8	762.3
20°	710.8	716.3	730.5	745.8	752.4
22.5°	694.4	698.7	715.2	732.7	740.3
25°	674.6	680.1	699.8	718.4	725.0
27.5°	652.7	660.4	681.2	700.9	707.5
30°	630.8	637.4	659.3	681.2	688.9
32.5°	606.7	613.3	637.4	659.3	668.1
35°	581.5	590.3	612.2	635.2	642.9
37.5°	554.2	564.0	587.0	606.7	616.6
40°	526.8	535.5	558.5	579.4	587.0
42.5°	499.4	507.1	529.0	550.9	557.5
45°	470.9	477.5	498.3	519.1	525.7
47.5°	440.3	447.9	467.6	485.2	492.8
50°	409.6	417.3	435.9	452.3	458.9
52.5°	380.0	384.4	401.9	417.3	424.9
55°	347.2	352.7	366.9	382.2	386.6
57.5°	315.4	318.7	332.9	346.1	352.7
60°	282.6	284.7	297.9	307.7	315.4
62.5°	251.9	251.9	261.8	272.7	277.1
65°	217.9	217.9	227.8	237.7	240.9
67.5°	185.1	187.3	193.8	201.5	203.7
70°	154.4	154.4	161.0	166.5	167.6
72.5°	127.0	125.9	129.2	133.6	135.8
75°	99.7	97.5	101.9	104.0	106.2
77.5°	75.6	74.5	76.7	78.9	78.9
80°	53.7	52.6	54.8	54.8	55.9
82.5°	35.0	36.1	36.1	35.0	34.0
85°	19.7	19.7	18.6	17.5	17.5
87.5°	6.6	6.6	6.6	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)