

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: P257415

Luminaire Tested: **D3X-WG-35L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257415  
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-35L935-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: 2887.6 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

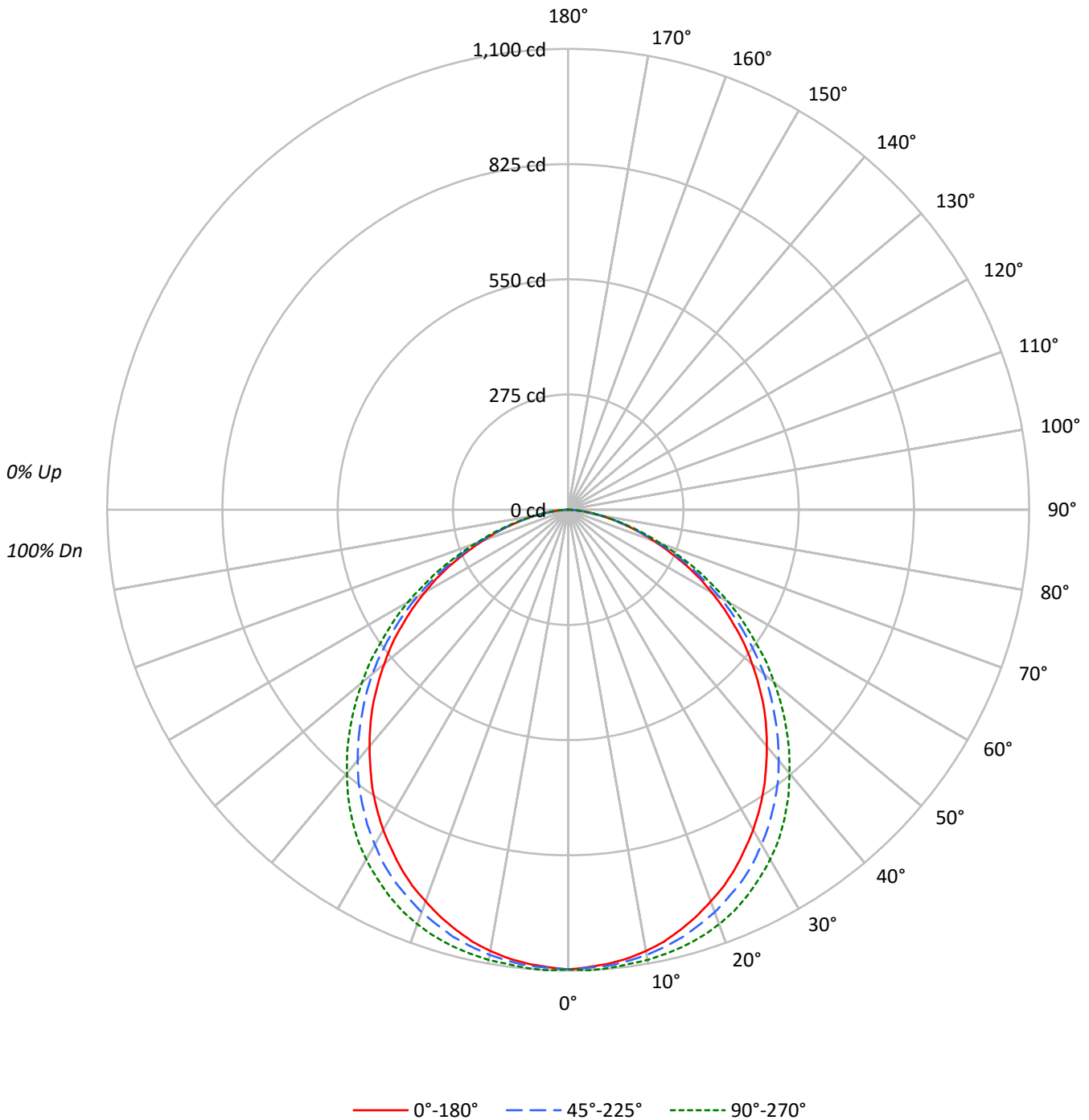
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2953	2953	2953
5°	2940	2952	2968
10°	2923	2948	2982
15°	2891	2942	3002
20°	2849	2928	3015
25°	2803	2908	3013
30°	2743	2867	2995
35°	2673	2814	2956
40°	2590	2746	2886
45°	2508	2654	2800
50°	2400	2554	2689
55°	2279	2409	2538
60°	2128	2244	2376
65°	1942	2030	2147
70°	1700	1773	1845
75°	1450	1482	1546
80°	1164	1187	1212
85°	852	806	756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.9	3.6
10°-20°	298.1	10.3
20°-30°	450.7	15.6
30°-40°	535.3	18.5
40°-50°	537.4	18.6
50°-60°	459.0	15.9
60°-70°	316.3	11.0
70°-80°	153.4	5.3
80°-90°	33.5	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°	852.7	29.5
0°-40°	1388.0	48.1
0°-60°	2384.4	82.6
0°-90°	2887.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2887.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1097	1097	1097	1097	1097	
5°	1088	1088	1093	1096	1099	103
15°	1038	1042	1056	1070	1077	293
25°	944	952	979	1005	1015	434
35°	814	826	857	889	900	508
45°	659	668	697	726	736	507
55°	486	494	513	535	541	434
65°	305	305	319	333	337	302
75°	140	136	142	146	149	150
85°	28	28	26	24	24	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1097.4	1097.4	1097.4	1097.4	1097.4
2.5°	1092.8	1092.8	1094.3	1098.9	1100.4
5°	1088.2	1088.2	1092.8	1095.8	1098.9
7.5°	1080.5	1082.0	1086.6	1092.8	1094.3
10°	1069.8	1071.3	1079.0	1086.6	1091.2
12.5°	1056.0	1059.0	1068.2	1080.5	1085.1
15°	1037.6	1042.2	1056.0	1069.8	1077.4
17.5°	1017.7	1023.8	1039.1	1059.0	1066.7
20°	994.7	1002.3	1022.3	1043.7	1052.9
22.5°	971.7	977.8	1000.8	1025.3	1036.1
25°	944.1	951.8	979.3	1005.4	1014.6
27.5°	913.4	924.2	953.3	980.9	990.1
30°	882.8	892.0	922.6	953.3	964.0
32.5°	849.1	858.3	892.0	922.6	934.9
35°	813.8	826.1	856.7	888.9	899.7
37.5°	775.5	789.3	821.5	849.1	862.9
40°	737.2	749.5	781.6	810.8	821.5
42.5°	698.9	709.6	740.3	770.9	780.1
45°	659.0	668.2	697.3	726.5	735.7
47.5°	616.1	626.8	654.4	679.0	689.7
50°	573.2	583.9	610.0	633.0	642.2
52.5°	531.8	538.0	562.5	583.9	594.7
55°	485.8	493.5	513.4	534.9	541.0
57.5°	441.4	446.0	465.9	484.3	493.5
60°	395.4	398.5	416.9	430.7	441.4
62.5°	352.5	352.5	366.3	381.6	387.8
65°	305.0	305.0	318.8	332.6	337.2
67.5°	259.0	262.1	271.3	282.0	285.1
70°	216.1	216.1	225.3	233.0	234.5
72.5°	177.8	176.3	180.9	187.0	190.0
75°	139.5	136.4	142.5	145.6	148.7
77.5°	105.8	104.2	107.3	110.3	110.3
80°	75.1	73.6	76.6	76.6	78.2
82.5°	49.0	50.6	50.6	49.0	47.5
85°	27.6	27.6	26.1	24.5	24.5
87.5°	9.2	9.2	9.2	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)