

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: P257538

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L935-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3077.7 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

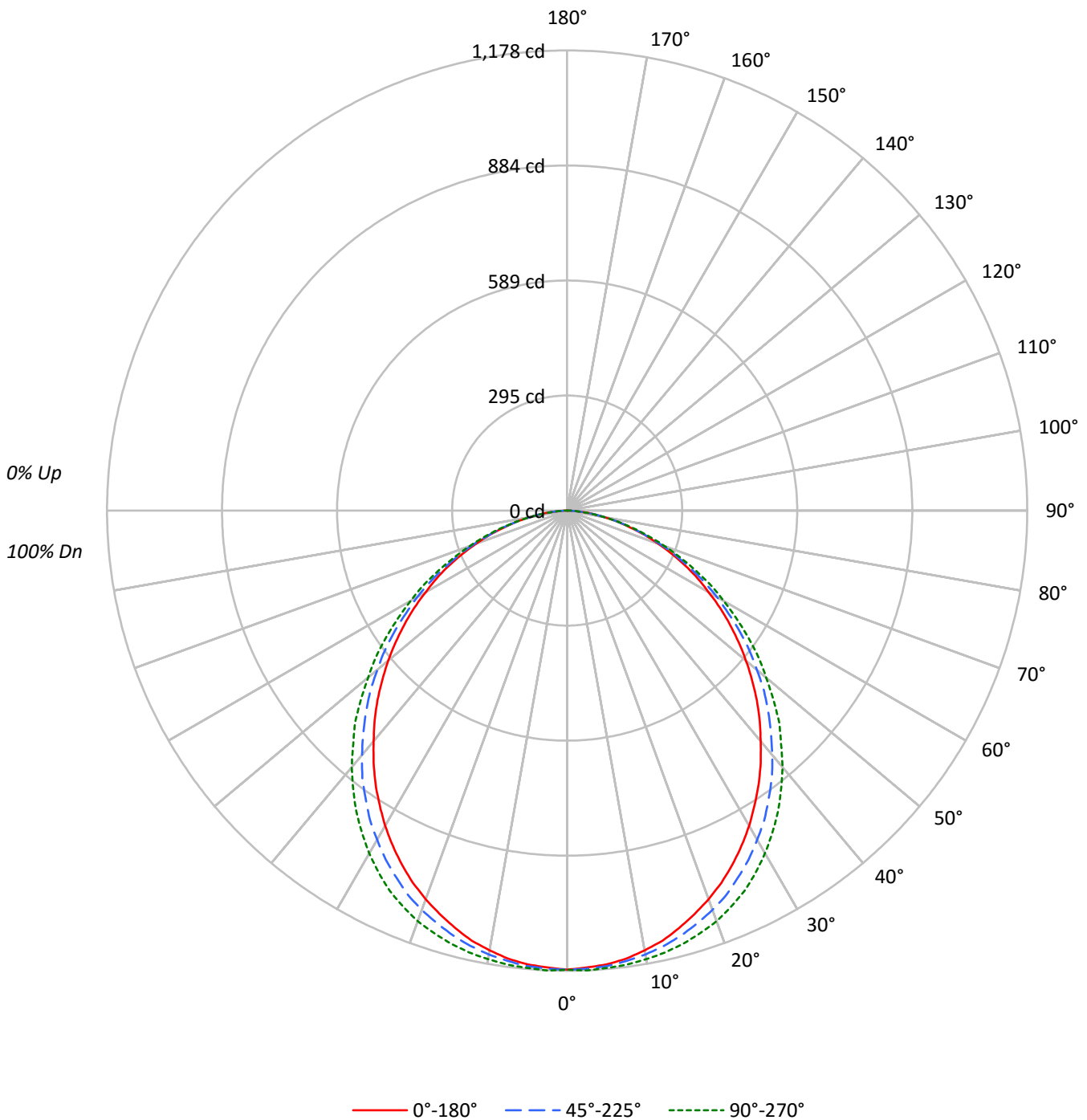
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	3163	3163	3163
5°	3150	3162	3175
10°	3124	3153	3186
15°	3082	3138	3198
20°	3032	3116	3203
25°	2971	3076	3189
30°	2895	3024	3147
35°	2809	2955	3091
40°	2708	2869	3014
45°	2613	2770	2922
50°	2502	2656	2784
55°	2387	2531	2653
60°	2251	2384	2491
65°	2127	2205	2313
70°	1953	2013	2086
75°	1736	1784	1832
80°	1495	1472	1472
85°	1136	1041	945



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.2	3.6
10°-20°	317.8	10.3
20°-30°	477.1	15.5
30°-40°	561.6	18.2
40°-50°	560.1	18.2
50°-60°	480.7	15.6
60°-70°	344.2	11.2
70°-80°	182.3	5.9
80°-90°	42.6	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°	906.1	29.4
0°-40°	1467.7	47.7
0°-60°	2508.5	81.5
0°-90°	3077.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1166	1166	1171	1174	1175	111
15°	1106	1111	1126	1142	1148	312
25°	1001	1010	1036	1062	1074	460
35°	855	866	900	930	941	534
45°	686	697	728	754	768	529
55°	509	516	539	558	565	455
65°	334	336	346	360	363	330
75°	167	167	172	175	176	179
85°	37	35	34	31	31	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1175.3	1175.3	1175.3	1175.3	1175.3
2.5°	1170.7	1170.7	1173.8	1176.9	1178.4
5°	1166.1	1166.1	1170.7	1173.8	1175.3
7.5°	1156.9	1156.9	1163.1	1169.2	1172.3
10°	1143.2	1146.2	1153.9	1163.1	1166.1
12.5°	1127.8	1130.9	1141.6	1153.9	1158.5
15°	1106.4	1111.0	1126.3	1141.6	1147.8
17.5°	1083.4	1089.5	1107.9	1126.3	1134.0
20°	1058.9	1065.0	1088.0	1109.4	1118.6
22.5°	1031.3	1039.0	1065.0	1088.0	1097.2
25°	1000.6	1009.8	1035.9	1061.9	1074.2
27.5°	966.9	977.7	1006.8	1034.4	1045.1
30°	931.7	943.9	973.1	1002.2	1012.9
32.5°	893.4	904.1	939.3	966.9	977.7
35°	855.1	865.8	899.5	930.2	940.9
37.5°	813.7	827.5	861.2	888.8	899.5
40°	770.8	784.6	816.8	848.9	858.1
42.5°	729.4	741.7	772.3	801.4	810.6
45°	686.5	697.2	727.9	753.9	767.7
47.5°	642.1	652.8	683.4	708.0	715.6
50°	597.6	608.4	634.4	655.9	665.1
52.5°	553.2	563.9	588.4	608.4	617.5
55°	508.8	516.4	539.4	557.8	565.4
57.5°	464.3	470.4	488.8	508.8	513.3
60°	418.3	426.0	442.9	456.6	462.8
62.5°	377.0	380.0	395.4	407.6	415.3
65°	334.1	335.6	346.3	360.1	363.2
67.5°	289.6	291.2	301.9	309.5	312.6
70°	248.2	248.2	255.9	262.0	265.1
72.5°	208.4	206.9	211.5	217.6	220.7
75°	167.0	167.0	171.6	174.7	176.2
77.5°	131.8	128.7	131.8	134.8	134.8
80°	96.5	95.0	95.0	96.5	95.0
82.5°	65.9	64.4	65.9	62.8	61.3
85°	36.8	35.2	33.7	30.6	30.6
87.5°	12.3	10.7	10.7	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)