

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: P257450

Luminaire Tested: **D3X-WG-35L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
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-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (112) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3029.9 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

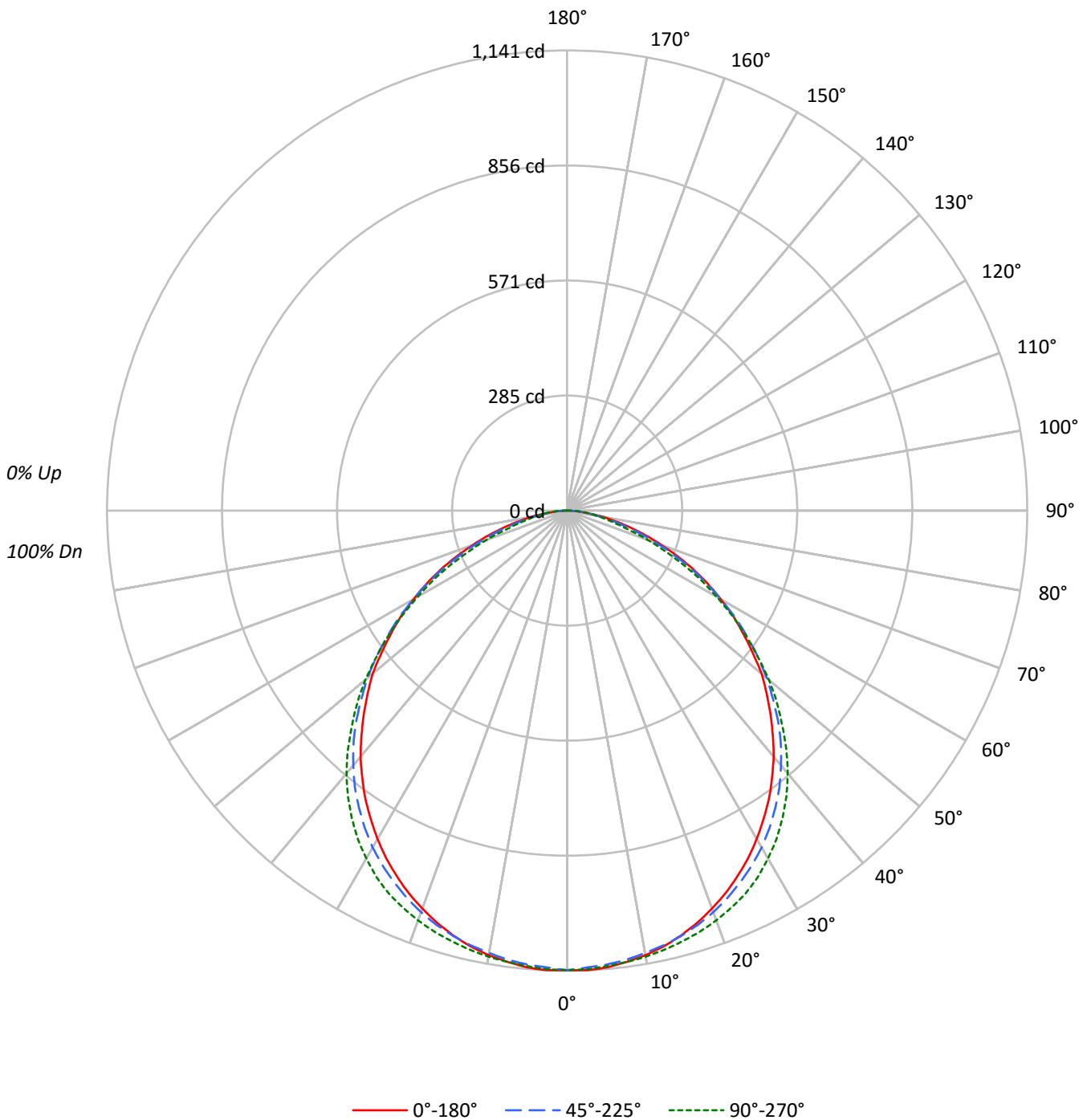
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	82	77	83	79	75	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	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	3066	3066	3066
5°	3071	3052	3063
10°	3058	3043	3069
15°	3039	3042	3080
20°	3007	3034	3096
25°	2969	3017	3110
30°	2922	2998	3095
35°	2867	2956	3058
40°	2799	2899	2989
45°	2712	2815	2872
50°	2637	2706	2734
55°	2504	2556	2543
60°	2370	2370	2305
65°	2200	2148	2027
70°	1951	1865	1685
75°	1691	1536	1297
80°	1385	1196	1176
85°	920	1087	1170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	3.6
10°-20°	309.3	10.2
20°-30°	470.0	15.5
30°-40°	562.8	18.6
40°-50°	567.6	18.7
50°-60°	483.5	16.0
60°-70°	330.6	10.9
70°-80°	158.3	5.2
80°-90°	40.1	1.3
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°	887.0	29.3
0°-40°	1449.8	47.8
0°-60°	2500.9	82.5
0°-90°	3029.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1137	1135	1130	1135	1134	108
15°	1091	1088	1092	1104	1106	308
25°	1000	1001	1016	1039	1047	461
35°	873	875	900	925	931	545
45°	713	718	740	755	755	550
55°	534	537	545	546	542	478
65°	346	339	337	325	318	341
75°	163	160	148	129	125	174
85°	30	32	35	37	38	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1139.5	1139.5	1139.5	1139.5	1139.5
2.5°	1140.9	1139.5	1134.1	1139.5	1138.1
5°	1136.8	1135.4	1130.0	1135.4	1134.1
7.5°	1128.7	1127.3	1123.2	1128.7	1128.7
10°	1119.2	1116.5	1113.8	1121.9	1123.2
12.5°	1107.0	1104.3	1104.3	1113.8	1115.1
15°	1090.7	1088.0	1092.1	1104.3	1105.6
17.5°	1071.8	1070.4	1077.2	1092.1	1094.8
20°	1050.1	1048.7	1059.6	1077.2	1081.2
22.5°	1027.0	1027.0	1039.2	1059.6	1065.0
25°	999.9	1001.3	1016.2	1039.2	1047.4
27.5°	971.5	974.2	991.8	1017.6	1024.3
30°	940.3	944.4	964.7	989.1	995.9
32.5°	906.5	910.5	933.6	959.3	966.1
35°	872.6	875.3	899.7	925.4	930.8
37.5°	834.6	838.7	864.5	887.5	892.9
40°	796.7	800.8	825.2	846.8	850.9
42.5°	754.7	760.1	784.5	802.1	804.8
45°	712.7	718.1	739.8	754.7	754.7
47.5°	670.7	673.4	692.4	707.3	705.9
50°	630.0	628.7	646.3	653.1	653.1
52.5°	579.9	584.0	596.2	600.2	596.2
55°	533.8	536.6	544.7	546.0	542.0
57.5°	489.1	487.8	494.6	490.5	485.1
60°	440.4	440.4	440.4	436.3	428.2
62.5°	392.9	390.2	388.9	379.4	375.3
65°	345.5	338.7	337.4	325.2	318.4
67.5°	295.4	292.7	285.9	273.7	261.5
70°	248.0	245.2	237.1	222.2	214.1
72.5°	204.6	201.9	191.0	173.4	162.6
75°	162.6	159.9	147.7	128.7	124.7
77.5°	123.3	121.9	109.7	100.3	98.9
80°	89.4	88.1	77.2	77.2	75.9
82.5°	56.9	56.9	54.2	55.6	56.9
85°	29.8	32.5	35.2	36.6	37.9
87.5°	9.5	14.9	17.6	19.0	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)