

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: P257421

Luminaire Tested: **D3X-WG-40L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257421  
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-40L935-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: 3281.6 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

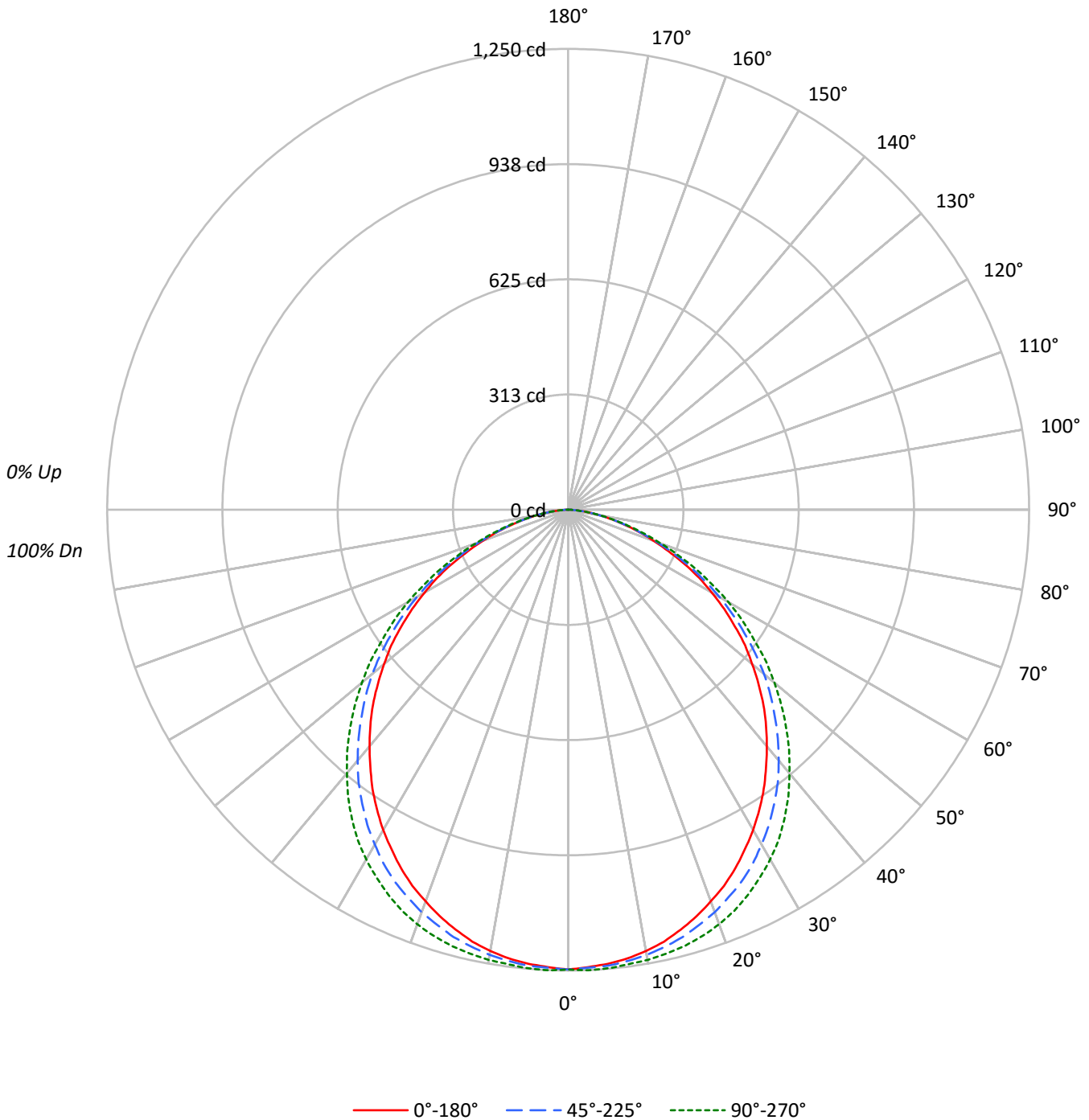
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3356	3356	3356
5°	3340	3354	3373
10°	3322	3351	3389
15°	3285	3343	3411
20°	3237	3327	3427
25°	3186	3305	3423
30°	3117	3258	3404
35°	3038	3198	3359
40°	2943	3120	3280
45°	2850	3016	3181
50°	2727	2902	3055
55°	2590	2738	2884
60°	2419	2549	2700
65°	2207	2307	2440
70°	1932	2014	2097
75°	1648	1684	1756
80°	1322	1350	1376
85°	969	914	861



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.0	3.6
10°-20°	338.8	10.3
20°-30°	512.2	15.6
30°-40°	608.3	18.5
40°-50°	610.7	18.6
50°-60°	521.7	15.9
60°-70°	359.4	11.0
70°-80°	174.3	5.3
80°-90°	38.1	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°	969.0	29.5
0°-40°	1577.3	48.1
0°-60°	2709.7	82.6
0°-90°	3281.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3281.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1237	1237	1242	1245	1249	117
15°	1179	1184	1200	1216	1224	332
25°	1073	1082	1113	1143	1153	494
35°	925	939	974	1010	1022	578
45°	749	759	792	826	836	577
55°	552	561	584	608	615	494
65°	347	347	362	378	383	343
75°	158	155	162	166	169	170
85°	31	31	30	28	28	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1241.8	1241.8	1243.6	1248.8	1250.5
5°	1236.6	1236.6	1241.8	1245.3	1248.8
7.5°	1227.9	1229.6	1234.9	1241.8	1243.6
10°	1215.7	1217.5	1226.2	1234.9	1240.1
12.5°	1200.0	1203.5	1214.0	1227.9	1233.1
15°	1179.1	1184.4	1200.0	1215.7	1224.4
17.5°	1156.5	1163.5	1180.9	1203.5	1212.2
20°	1130.4	1139.1	1161.7	1186.1	1196.6
22.5°	1104.2	1111.2	1137.3	1165.2	1177.4
25°	1072.9	1081.6	1113.0	1142.6	1153.0
27.5°	1038.1	1050.2	1083.3	1114.7	1125.1
30°	1003.2	1013.7	1048.5	1083.3	1095.5
32.5°	964.9	975.4	1013.7	1048.5	1062.4
35°	924.8	938.8	973.6	1010.2	1022.4
37.5°	881.3	897.0	933.6	964.9	980.6
40°	837.8	851.7	888.3	921.4	933.6
42.5°	794.2	806.4	841.2	876.1	886.5
45°	748.9	759.4	792.5	825.6	836.0
47.5°	700.2	712.4	743.7	771.6	783.8
50°	651.4	663.6	693.2	719.3	729.8
52.5°	604.4	611.3	639.2	663.6	675.8
55°	552.1	560.8	583.5	607.9	614.8
57.5°	501.6	506.8	529.5	550.4	560.8
60°	449.4	452.8	473.7	489.4	501.6
62.5°	400.6	400.6	416.3	433.7	440.7
65°	346.6	346.6	362.3	378.0	383.2
67.5°	294.3	297.8	308.3	320.5	324.0
70°	245.6	245.6	256.0	264.7	266.5
72.5°	202.0	200.3	205.5	212.5	216.0
75°	158.5	155.0	162.0	165.5	168.9
77.5°	120.2	118.4	121.9	125.4	125.4
80°	85.3	83.6	87.1	87.1	88.8
82.5°	55.7	57.5	57.5	55.7	54.0
85°	31.4	31.4	29.6	27.9	27.9
87.5°	10.5	10.5	10.5	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)