

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: P257571

Luminaire Tested: **D3X-WO-35L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L840-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE  
Light Source: (112) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3713.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

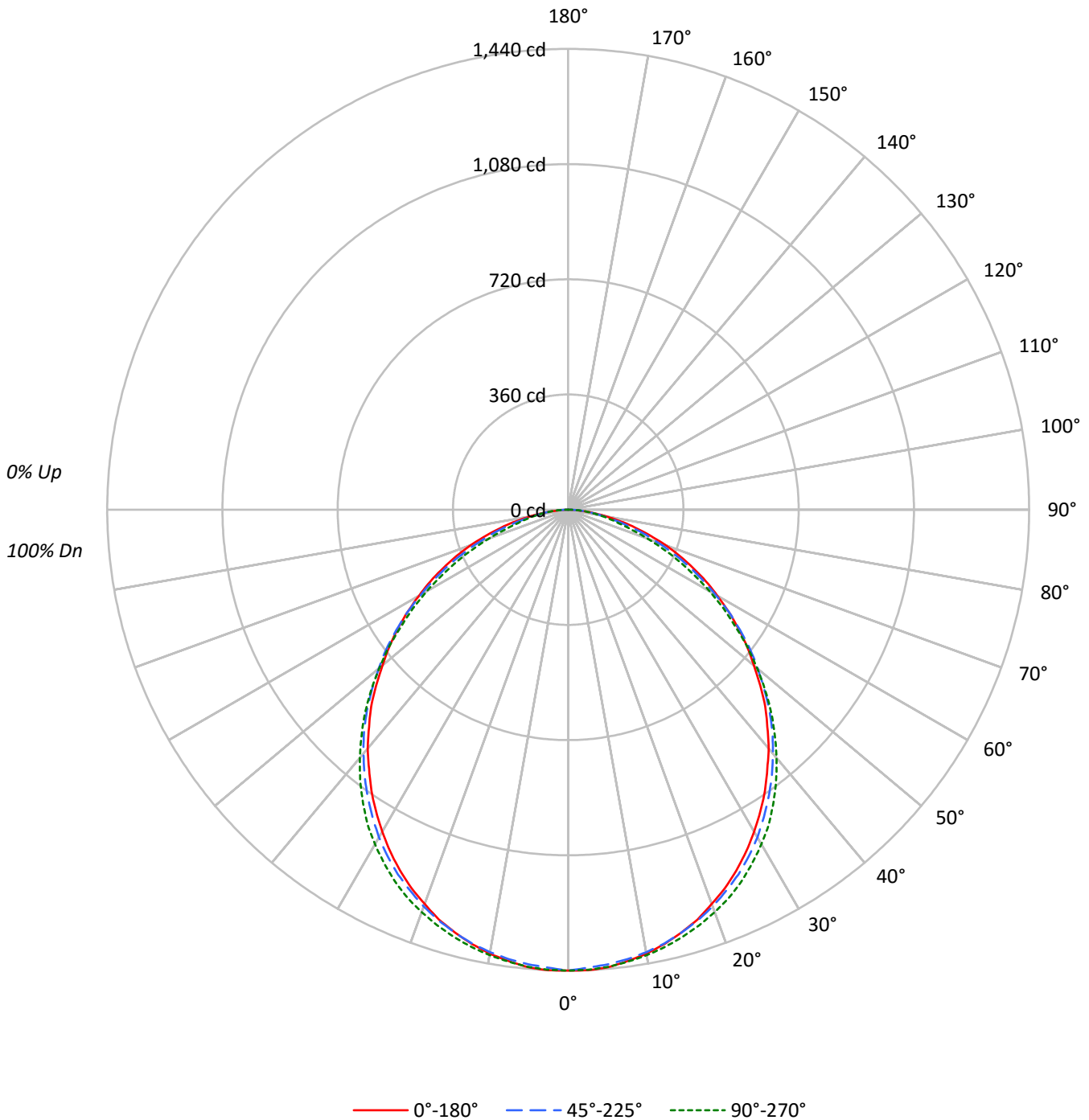
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3876	3876	3876
5°	3877	3852	3873
10°	3849	3836	3862
15°	3811	3811	3850
20°	3755	3777	3831
25°	3692	3734	3804
30°	3609	3673	3751
35°	3521	3588	3671
40°	3423	3494	3555
45°	3312	3384	3414
50°	3170	3235	3222
55°	3050	3072	2990
60°	2897	2855	2745
65°	2736	2626	2445
70°	2539	2328	2068
75°	2258	1996	1702
80°	1878	1635	1585
85°	1362	1457	1457



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	3.7
10°-20°	387.2	10.4
20°-30°	580.2	15.6
30°-40°	683.6	18.4
40°-50°	681.8	18.4
50°-60°	580.0	15.6
60°-70°	404.8	10.9
70°-80°	205.7	5.5
80°-90°	53.7	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°	1103.3	29.7
0°-40°	1787.0	48.1
0°-60°	3048.8	82.1
0°-90°	3713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3713.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1435	1432	1426	1434	1434	136
15°	1368	1368	1368	1380	1382	386
25°	1243	1245	1258	1276	1281	572
35°	1072	1073	1092	1114	1118	670
45°	870	874	889	896	897	670
55°	650	650	655	645	637	581
65°	430	423	412	390	384	426
75°	217	209	192	168	164	231
85°	44	46	47	47	47	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1440.2	1438.6	1432.3	1438.6	1438.6
5°	1435.4	1432.3	1426.0	1433.9	1433.9
7.5°	1422.8	1421.3	1416.5	1424.4	1424.4
10°	1408.7	1407.1	1404.0	1413.4	1413.4
12.5°	1389.8	1389.8	1388.2	1397.7	1399.2
15°	1367.8	1367.8	1367.8	1380.3	1381.9
17.5°	1342.6	1341.0	1345.7	1359.9	1361.5
20°	1311.1	1312.7	1319.0	1334.7	1337.8
22.5°	1279.6	1281.2	1289.1	1307.9	1312.7
25°	1243.4	1245.0	1257.6	1276.5	1281.2
27.5°	1204.1	1207.2	1221.4	1241.8	1245.0
30°	1161.6	1164.7	1182.0	1202.5	1207.2
32.5°	1117.5	1122.2	1138.0	1160.0	1166.3
35°	1071.9	1073.4	1092.3	1114.3	1117.5
37.5°	1021.5	1026.2	1045.1	1064.0	1067.1
40°	974.3	977.4	994.7	1010.5	1012.0
42.5°	920.8	925.5	944.4	955.4	955.4
45°	870.4	873.5	889.3	895.6	897.1
47.5°	813.7	816.9	831.0	834.2	834.2
50°	757.1	764.9	772.8	772.8	769.7
52.5°	705.1	706.7	716.1	709.8	706.7
55°	650.0	650.0	654.8	645.3	637.4
57.5°	594.9	594.9	594.9	582.4	576.1
60°	538.3	536.7	530.4	514.7	510.0
62.5°	484.8	480.1	470.6	454.9	445.4
65°	429.7	423.4	412.4	390.3	384.0
67.5°	377.7	366.7	354.1	333.7	322.7
70°	322.7	313.2	295.9	272.3	262.8
72.5°	269.1	259.7	245.5	221.9	207.8
75°	217.2	209.3	192.0	168.4	163.7
77.5°	166.8	162.1	144.8	133.8	132.2
80°	121.2	119.6	105.5	102.3	102.3
82.5°	80.3	78.7	74.0	74.0	72.4
85°	44.1	45.6	47.2	47.2	47.2
87.5°	15.7	18.9	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)