

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: P257544

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257544  
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-40L935-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: 3497.5 lumens  
Efficiency: N/A  
Efficacy: 98.2 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

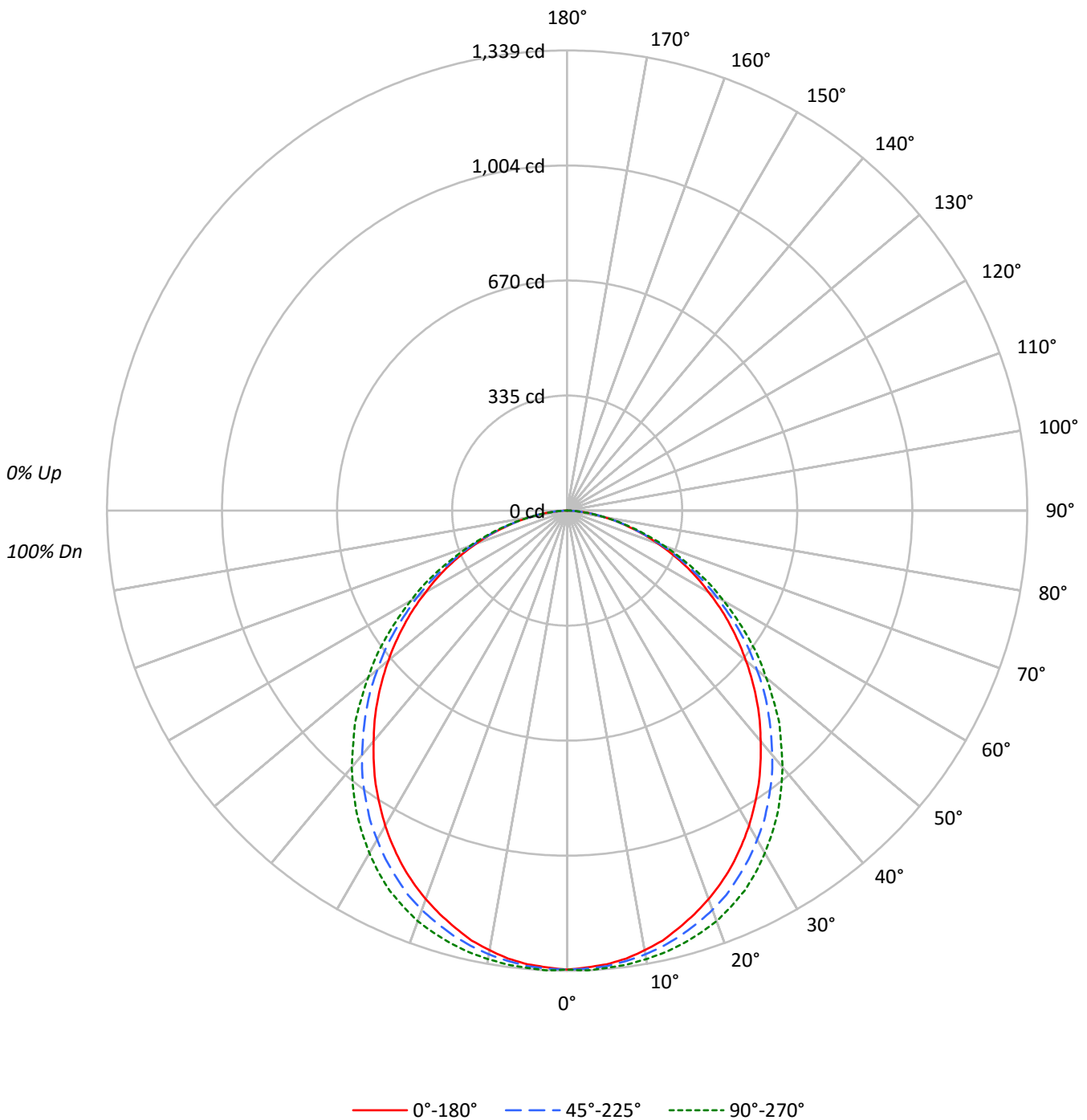
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3594	3594	3594
5°	3580	3594	3608
10°	3550	3583	3621
15°	3503	3566	3634
20°	3446	3541	3640
25°	3377	3495	3624
30°	3290	3436	3577
35°	3192	3358	3512
40°	3077	3261	3426
45°	2969	3148	3320
50°	2843	3018	3164
55°	2713	2876	3015
60°	2559	2709	2830
65°	2417	2506	2628
70°	2220	2288	2371
75°	1973	2027	2083
80°	1700	1674	1674
85°	1291	1183	1074



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.4	3.6
10°-20°	361.1	10.3
20°-30°	542.2	15.5
30°-40°	638.2	18.2
40°-50°	636.5	18.2
50°-60°	546.2	15.6
60°-70°	391.2	11.2
70°-80°	207.2	5.9
80°-90°	48.4	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°	1029.7	29.4
0°-40°	1667.9	47.7
0°-60°	2850.7	81.5
0°-90°	3497.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3497.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1336	1336	1336	1336	1336	
5°	1325	1325	1330	1334	1336	126
15°	1257	1262	1280	1297	1304	354
25°	1137	1148	1177	1207	1221	523
35°	972	984	1022	1057	1069	607
45°	780	792	827	857	872	601
55°	578	587	613	634	643	517
65°	380	381	394	409	413	375
75°	190	190	195	198	200	204
85°	42	40	38	35	35	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1335.7	1335.7	1335.7	1335.7	1335.7
2.5°	1330.5	1330.5	1333.9	1337.4	1339.2
5°	1325.2	1325.2	1330.5	1333.9	1335.7
7.5°	1314.8	1314.8	1321.7	1328.7	1332.2
10°	1299.1	1302.6	1311.3	1321.7	1325.2
12.5°	1281.7	1285.2	1297.4	1311.3	1316.5
15°	1257.3	1262.5	1279.9	1297.4	1304.3
17.5°	1231.2	1238.2	1259.1	1279.9	1288.7
20°	1203.3	1210.3	1236.4	1260.8	1271.2
22.5°	1172.0	1180.7	1210.3	1236.4	1246.9
25°	1137.2	1147.6	1177.2	1206.8	1220.7
27.5°	1098.8	1111.0	1144.1	1175.5	1187.7
30°	1058.8	1072.7	1105.8	1138.9	1151.1
32.5°	1015.3	1027.4	1067.5	1098.8	1111.0
35°	971.7	983.9	1022.2	1057.0	1069.2
37.5°	924.7	940.4	978.7	1010.0	1022.2
40°	875.9	891.6	928.2	964.8	975.2
42.5°	828.9	842.9	877.7	910.8	921.2
45°	780.2	792.3	827.2	856.8	872.5
47.5°	729.7	741.8	776.7	804.5	813.2
50°	679.2	691.3	721.0	745.3	755.8
52.5°	628.7	640.8	668.7	691.3	701.8
55°	578.2	586.9	613.0	633.9	642.6
57.5°	527.7	534.6	555.5	578.2	583.4
60°	475.4	484.1	503.3	518.9	525.9
62.5°	428.4	431.9	449.3	463.2	471.9
65°	379.6	381.4	393.6	409.2	412.7
67.5°	329.1	330.9	343.1	351.8	355.3
70°	282.1	282.1	290.8	297.8	301.3
72.5°	236.8	235.1	240.3	247.3	250.8
75°	189.8	189.8	195.0	198.5	200.3
77.5°	149.8	146.3	149.8	153.2	153.2
80°	109.7	108.0	108.0	109.7	108.0
82.5°	74.9	73.1	74.9	71.4	69.7
85°	41.8	40.1	38.3	34.8	34.8
87.5°	13.9	12.2	12.2	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)