

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: P258369

Luminaire Tested: **D3X-WD-36L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-36L940-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2944.9 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

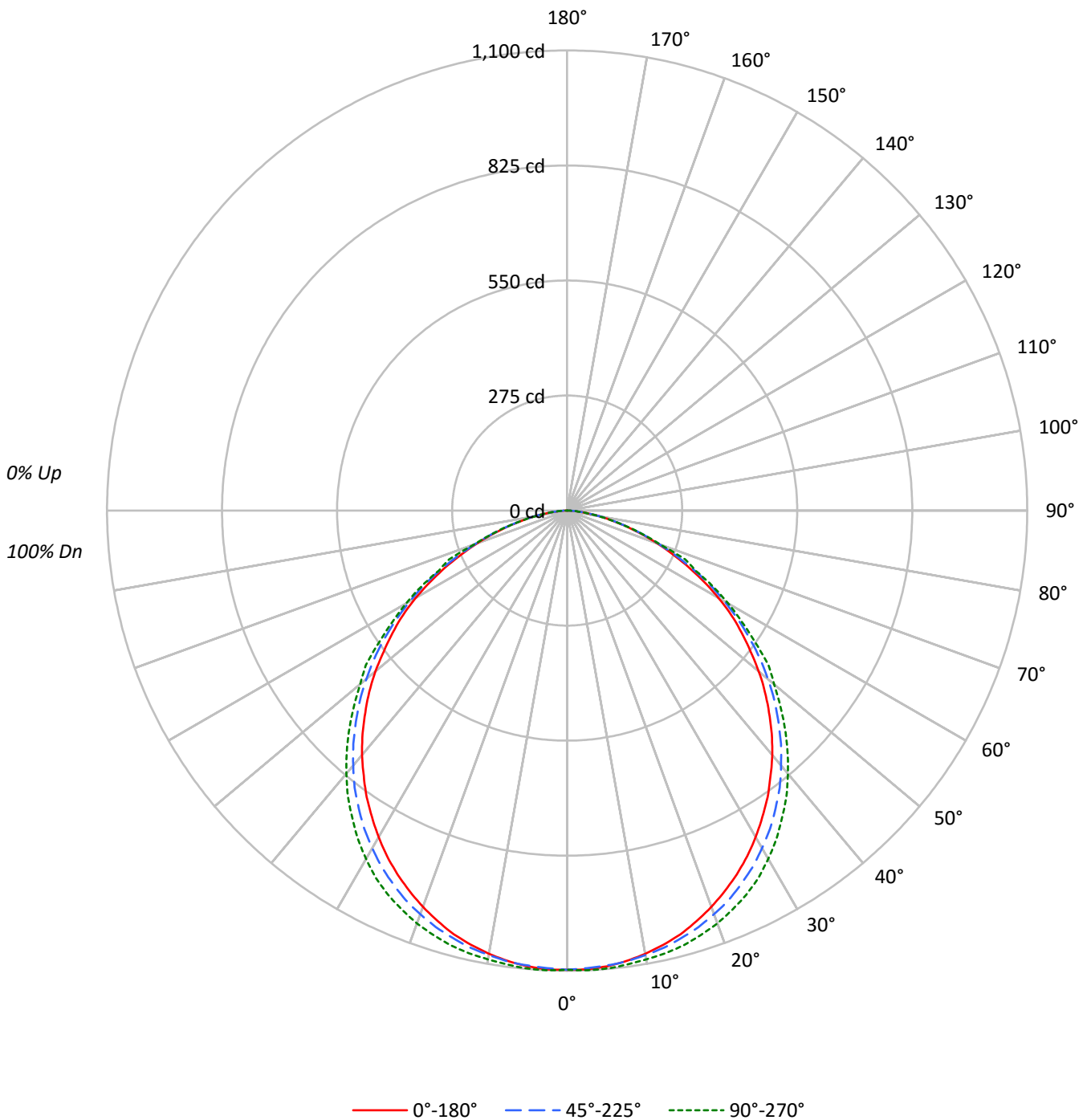
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	1477	1477	1477
5°	1477	1474	1484
10°	1470	1474	1488
15°	1460	1473	1498
20°	1443	1470	1504
25°	1424	1462	1504
30°	1400	1448	1494
35°	1373	1427	1472
40°	1340	1397	1442
45°	1299	1359	1401
50°	1252	1312	1351
55°	1195	1249	1286
60°	1126	1169	1197
65°	1023	1056	1076
70°	898	919	931
75°	758	769	775
80°	606	614	597
85°	408	425	408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	3.5
10°-20°	299.2	10.2
20°-30°	454.0	15.4
30°-40°	542.0	18.4
40°-50°	548.7	18.6
50°-60°	474.3	16.1
60°-70°	328.7	11.2
70°-80°	159.0	5.4
80°-90°	35.0	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°	857.2	29.1
0°-40°	1399.2	47.5
0°-60°	2422.2	82.2
0°-90°	2944.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1094	1093	1092	1097	1099	104
15°	1048	1050	1058	1070	1076	295
25°	959	966	985	1005	1013	442
35°	836	843	869	891	896	522
45°	683	692	714	732	736	526
55°	509	515	532	555	548	455
65°	321	324	332	337	338	318
75°	146	147	148	147	149	156
85°	26	28	28	26	26	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1097.8	1097.8	1097.8	1097.8	1097.8
2.5°	1097.8	1096.8	1094.7	1097.8	1100.0
5°	1093.6	1092.6	1091.5	1096.8	1098.9
7.5°	1086.2	1086.2	1087.3	1092.6	1094.7
10°	1075.7	1076.7	1078.8	1087.3	1089.4
12.5°	1063.0	1065.1	1070.4	1079.9	1084.1
15°	1048.2	1050.3	1057.7	1070.4	1075.7
17.5°	1029.2	1033.4	1044.0	1058.7	1064.0
20°	1008.0	1013.3	1027.0	1044.0	1050.3
22.5°	984.8	990.1	1008.0	1026.0	1032.3
25°	959.4	965.8	984.8	1004.9	1013.3
27.5°	932.0	939.3	960.5	981.6	990.1
30°	901.3	909.8	932.0	954.1	961.5
32.5°	868.6	877.0	902.4	923.5	930.9
35°	835.8	843.2	868.6	890.7	896.0
37.5°	798.8	807.3	834.7	853.8	861.2
40°	762.9	771.3	795.6	814.7	821.0
42.5°	723.8	732.2	756.5	774.5	779.8
45°	682.6	692.1	714.3	732.2	736.5
47.5°	641.4	648.8	672.0	687.9	691.0
50°	598.1	605.5	626.6	642.4	645.6
52.5°	552.6	564.2	581.1	592.8	606.5
55°	509.3	514.6	532.5	554.7	548.4
57.5°	466.0	469.1	483.9	493.4	495.6
60°	418.4	422.7	434.3	439.6	444.8
62.5°	368.8	371.9	385.7	391.0	393.1
65°	321.2	324.4	331.8	337.1	338.1
67.5°	272.6	275.8	282.1	286.3	305.4
70°	228.2	230.3	233.5	242.0	236.7
72.5°	186.0	187.0	190.2	190.2	191.3
75°	145.8	146.9	147.9	146.9	149.0
77.5°	108.8	110.9	112.0	110.9	109.9
80°	78.2	80.3	79.2	77.1	77.1
82.5°	50.7	51.8	50.7	49.7	49.7
85°	26.4	28.5	27.5	26.4	26.4
87.5°	9.5	10.6	11.6	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)