

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: P257328

Luminaire Tested: **D3X-WD-35L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L940-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (112) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3114.2 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

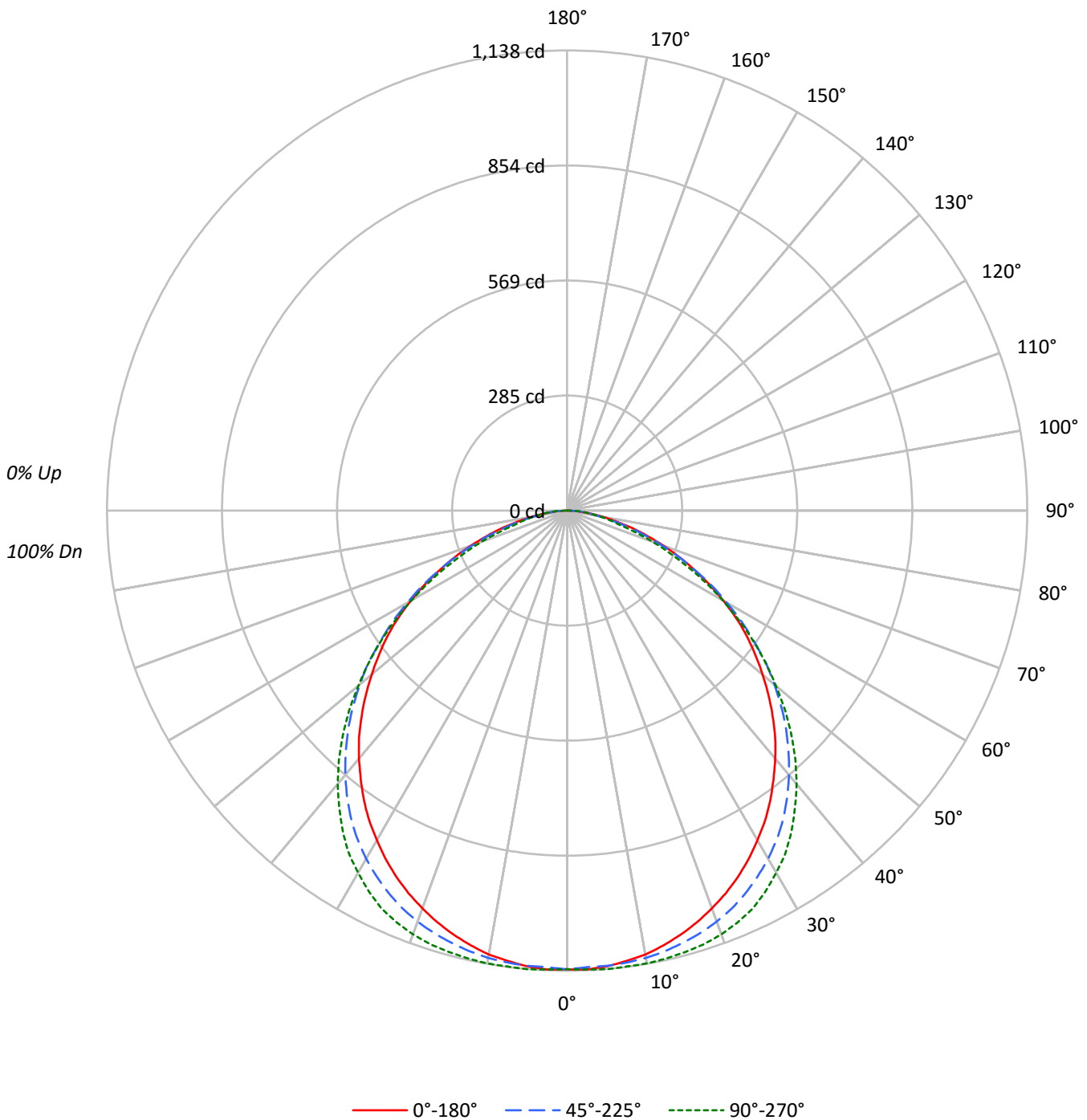
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P257328

CATALOG NUMBER: D3X-WD-35L940-LD5-UNV-14-T1-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P257328

CATALOG NUMBER: D3X-WD-35L940-LD5-UNV-14-T1-STD

**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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	3052	3052	3052
5°	3056	3053	3075
10°	3046	3069	3107
15°	3025	3083	3148
20°	2997	3097	3193
25°	2968	3100	3224
30°	2924	3088	3214
35°	2877	3060	3178
40°	2813	2998	3101
45°	2735	2915	2984
50°	2642	2799	2822
55°	2550	2648	2635
60°	2401	2454	2394
65°	2213	2222	2098
70°	1980	1936	1761
75°	1720	1604	1359
80°	1379	1249	1249
85°	988	1158	1201



TEST NUMBER: P257328

CATALOG NUMBER: D3X-WD-35L940-LD5-UNV-14-T1-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	3.5
10°-20°	313.1	10.1
20°-30°	480.8	15.4
30°-40°	579.0	18.6
40°-50°	585.1	18.8
50°-60°	499.1	16.0
60°-70°	341.7	11.0
70°-80°	164.9	5.3
80°-90°	42.5	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°	901.8	29.0
0°-40°	1480.8	47.6
0°-60°	2565.1	82.4
0°-90°	3114.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3114.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1132	1132	1130	1137	1138	107
15°	1086	1094	1106	1126	1130	306
25°	1000	1015	1044	1074	1086	460
35°	876	895	931	961	968	547
45°	719	738	766	784	784	554
55°	544	553	564	567	562	484
65°	348	352	349	336	330	345
75°	165	165	154	136	131	176
85°	32	35	38	39	39	39
90°	0	0	0	0	0	



TEST NUMBER: P257328

CATALOG NUMBER: D3X-WD-35L940-LD5-UNV-14-T1-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1134.3	1134.3	1134.3	1134.3	1134.3
2.5°	1135.7	1134.3	1130.1	1135.7	1135.7
5°	1131.5	1131.5	1130.1	1137.1	1138.5
7.5°	1123.2	1126.0	1127.4	1135.7	1137.1
10°	1114.9	1117.6	1123.2	1134.3	1137.1
12.5°	1101.0	1106.5	1116.2	1131.5	1134.3
15°	1085.7	1094.0	1106.5	1126.0	1130.1
17.5°	1067.6	1078.7	1095.4	1117.6	1124.6
20°	1046.7	1059.3	1081.5	1106.5	1114.9
22.5°	1024.5	1038.4	1064.8	1094.0	1102.3
25°	999.5	1014.8	1044.0	1074.5	1085.7
27.5°	971.7	988.4	1020.3	1052.3	1062.0
30°	941.1	959.2	993.9	1025.9	1034.2
32.5°	910.5	928.6	964.7	995.3	1005.0
35°	875.8	895.2	931.4	960.6	967.5
37.5°	838.2	857.7	893.8	923.0	925.8
40°	800.7	820.2	853.5	879.9	882.7
42.5°	761.8	779.8	810.4	832.7	835.4
45°	718.7	738.1	765.9	784.0	784.0
47.5°	675.6	695.0	718.7	731.2	731.2
50°	631.1	649.2	668.6	675.6	674.2
52.5°	586.6	603.3	620.0	621.4	618.6
55°	543.5	553.3	564.4	567.2	561.6
57.5°	496.3	504.6	511.6	507.4	503.2
60°	446.2	454.6	456.0	449.0	444.8
62.5°	397.6	404.5	404.5	393.4	386.4
65°	347.5	351.7	348.9	336.4	329.5
67.5°	300.3	303.0	297.5	285.0	273.8
70°	251.6	253.0	246.0	230.8	223.8
72.5°	207.1	208.5	200.2	182.1	173.8
75°	165.4	165.4	154.3	136.2	130.7
77.5°	123.7	127.9	115.4	105.6	105.6
80°	89.0	93.1	80.6	82.0	80.6
82.5°	58.4	62.6	58.4	58.4	58.4
85°	32.0	34.8	37.5	38.9	38.9
87.5°	9.7	16.7	18.1	19.5	22.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)