

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: P257428

Luminaire Tested: **D3X-WG-44L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257428  
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-44L940-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3675.3 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

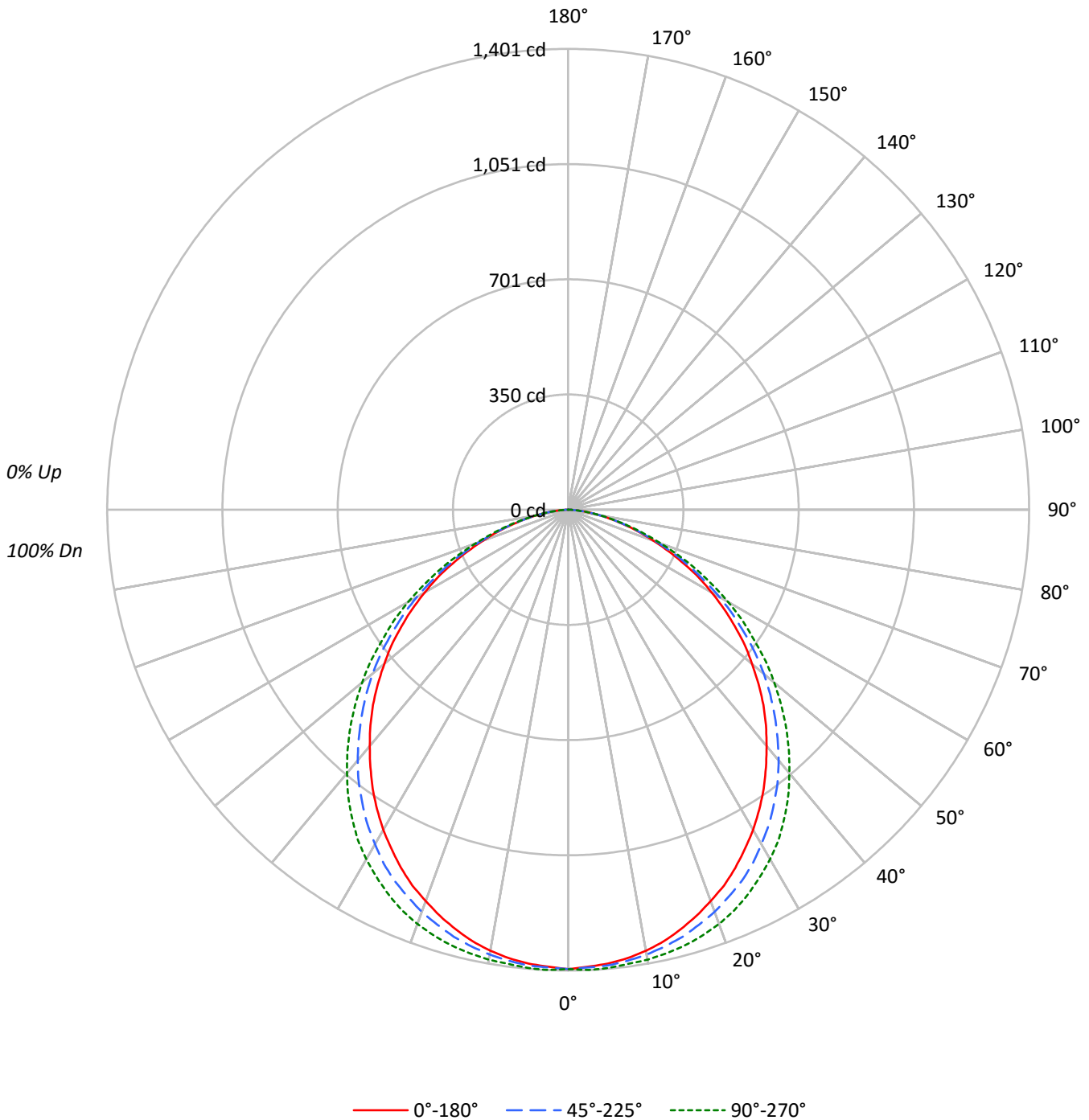
Input Watts (W): 39.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P257428

CATALOG NUMBER: D3X-WG-44L940-LD5-UNV-22-T1-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P257428

CATALOG NUMBER: D3X-WG-44L940-LD5-UNV-22-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	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°	3758	3758	3758
5°	3741	3757	3778
10°	3721	3753	3795
15°	3679	3744	3821
20°	3625	3726	3838
25°	3568	3701	3834
30°	3491	3649	3813
35°	3403	3582	3762
40°	3296	3495	3673
45°	3192	3378	3563
50°	3054	3250	3422
55°	2901	3066	3231
60°	2709	2856	3024
65°	2472	2583	2733
70°	2164	2257	2349
75°	1845	1886	1967
80°	1481	1511	1542
85°	1084	1025	963



TEST NUMBER: P257428

CATALOG NUMBER: D3X-WG-44L940-LD5-UNV-22-T1-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.2	3.6
10°-20°	379.4	10.3
20°-30°	573.6	15.6
30°-40°	681.3	18.5
40°-50°	684.0	18.6
50°-60°	584.3	15.9
60°-70°	402.6	11.0
70°-80°	195.2	5.3
80°-90°	42.7	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°	1085.3	29.5
0°-40°	1766.6	48.1
0°-60°	3034.9	82.6
0°-90°	3675.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1385	1385	1391	1395	1399	131
15°	1321	1326	1344	1362	1371	372
25°	1202	1211	1246	1280	1291	553
35°	1036	1051	1090	1131	1145	647
45°	839	850	888	925	936	646
55°	618	628	654	681	689	553
65°	388	388	406	423	429	385
75°	178	174	181	185	189	191
85°	35	35	33	31	31	43
90°	0	0	0	0	0	



TEST NUMBER: P257428

CATALOG NUMBER: D3X-WG-44L940-LD5-UNV-22-T1-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1396.7	1396.7	1396.7	1396.7	1396.7
2.5°	1390.9	1390.9	1392.8	1398.7	1400.6
5°	1385.0	1385.0	1390.9	1394.8	1398.7
7.5°	1375.3	1377.2	1383.1	1390.9	1392.8
10°	1361.6	1363.6	1373.3	1383.1	1388.9
12.5°	1344.0	1347.9	1359.6	1375.3	1381.1
15°	1320.6	1326.5	1344.0	1361.6	1371.4
17.5°	1295.3	1303.1	1322.6	1347.9	1357.7
20°	1266.0	1275.8	1301.1	1328.4	1340.1
22.5°	1236.8	1244.6	1273.8	1305.0	1318.7
25°	1201.6	1211.4	1246.5	1279.7	1291.4
27.5°	1162.6	1176.3	1213.3	1248.5	1260.2
30°	1123.6	1135.3	1174.3	1213.3	1227.0
32.5°	1080.7	1092.4	1135.3	1174.3	1189.9
35°	1035.8	1051.4	1090.5	1131.4	1145.1
37.5°	987.1	1004.6	1045.6	1080.7	1098.3
40°	938.3	953.9	994.9	1031.9	1045.6
42.5°	889.5	903.2	942.2	981.2	992.9
45°	838.8	850.5	887.6	924.6	936.3
47.5°	784.2	797.8	833.0	864.2	877.8
50°	729.6	743.2	776.4	805.6	817.4
52.5°	676.9	684.7	715.9	743.2	756.9
55°	618.4	628.1	653.5	680.8	688.6
57.5°	561.8	567.7	593.0	616.4	628.1
60°	503.3	507.2	530.6	548.2	561.8
62.5°	448.7	448.7	466.2	485.7	493.5
65°	388.2	388.2	405.7	423.3	429.2
67.5°	329.7	333.6	345.3	358.9	362.8
70°	275.1	275.1	286.8	296.5	298.5
72.5°	226.3	224.3	230.2	238.0	241.9
75°	177.5	173.6	181.4	185.3	189.2
77.5°	134.6	132.6	136.6	140.5	140.5
80°	95.6	93.6	97.5	97.5	99.5
82.5°	62.4	64.4	64.4	62.4	60.5
85°	35.1	35.1	33.2	31.2	31.2
87.5°	11.7	11.7	11.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)