

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: P257449

Luminaire Tested: **D3X-WG-35L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L930-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (112) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2921.7 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

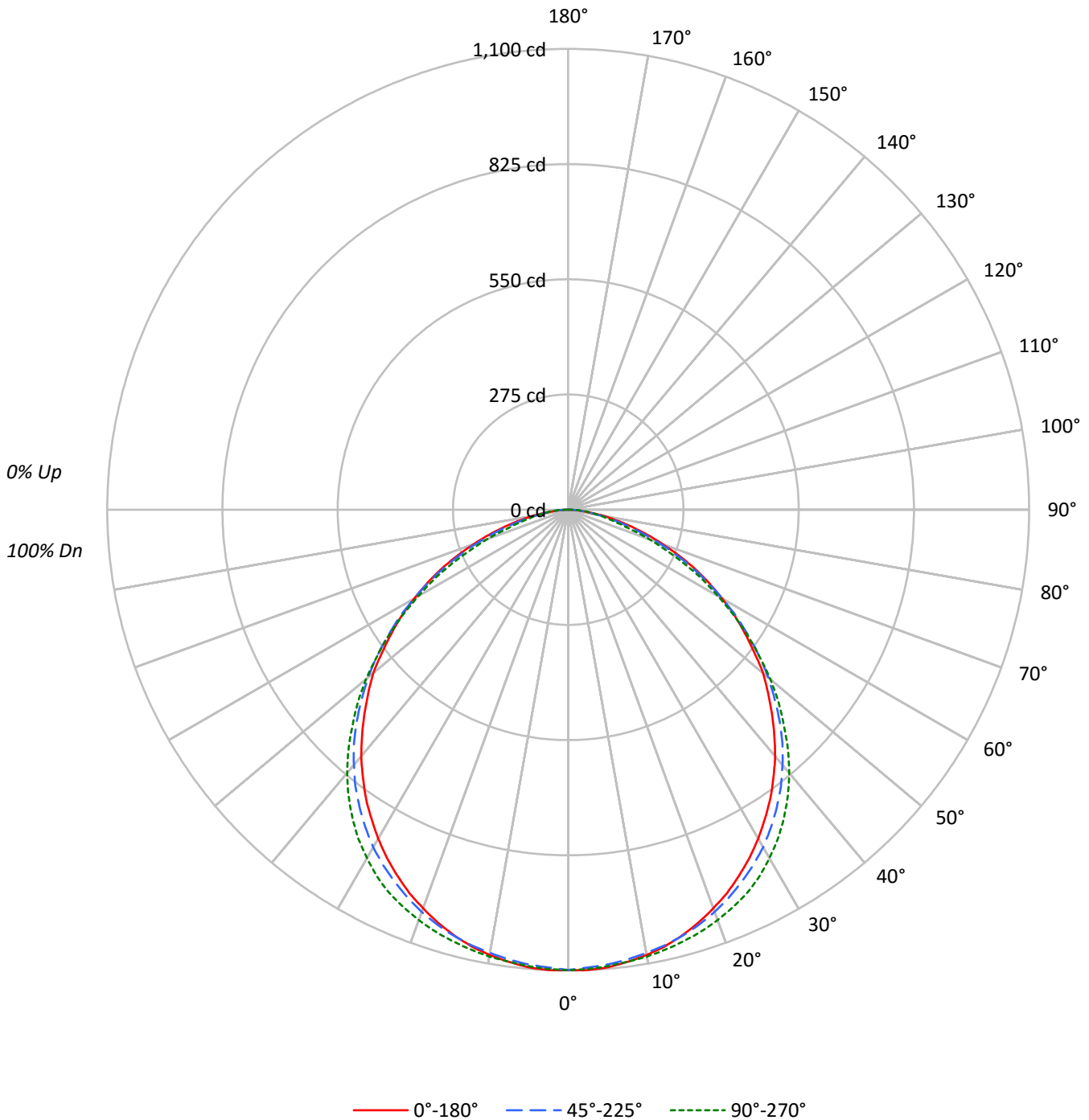
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	85	80	97	90	84	79	87	82	77	83	79	75	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	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2957	2957	2957
5°	2961	2943	2954
10°	2949	2935	2960
15°	2930	2934	2970
20°	2900	2926	2986
25°	2863	2909	2999
30°	2817	2890	2984
35°	2764	2850	2949
40°	2699	2795	2882
45°	2615	2715	2769
50°	2543	2609	2636
55°	2415	2464	2452
60°	2285	2285	2222
65°	2122	2071	1955
70°	1881	1799	1624
75°	1630	1481	1250
80°	1336	1155	1134
85°	886	1050	1130



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.9	3.6
10°-20°	298.2	10.2
20°-30°	453.2	15.5
30°-40°	542.7	18.6
40°-50°	547.4	18.7
50°-60°	466.2	16.0
60°-70°	318.8	10.9
70°-80°	152.7	5.2
80°-90°	38.7	1.3
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°	855.3	29.3
0°-40°	1398.0	47.8
0°-60°	2411.6	82.5
0°-90°	2921.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1096	1095	1090	1095	1094	104
15°	1052	1049	1053	1065	1066	297
25°	964	966	980	1002	1010	444
35°	841	844	868	892	898	526
45°	687	692	713	728	728	531
55°	515	517	525	526	523	461
65°	333	327	325	314	307	329
75°	157	154	142	124	120	168
85°	29	31	34	35	37	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1098.8	1098.8	1098.8	1098.8	1098.8
2.5°	1100.1	1098.8	1093.6	1098.8	1097.5
5°	1096.2	1094.9	1089.6	1094.9	1093.6
7.5°	1088.3	1087.0	1083.1	1088.3	1088.3
10°	1079.2	1076.6	1074.0	1081.8	1083.1
12.5°	1067.4	1064.8	1064.8	1074.0	1075.3
15°	1051.8	1049.1	1053.1	1064.8	1066.1
17.5°	1033.5	1032.2	1038.7	1053.1	1055.7
20°	1012.6	1011.3	1021.7	1038.7	1042.6
22.5°	990.3	990.3	1002.1	1021.7	1026.9
25°	964.2	965.5	979.9	1002.1	1009.9
27.5°	936.8	939.4	956.4	981.2	987.7
30°	906.7	910.7	930.2	953.8	960.3
32.5°	874.1	878.0	900.2	925.0	931.6
35°	841.4	844.0	867.5	892.4	897.6
37.5°	804.8	808.7	833.6	855.8	861.0
40°	768.2	772.2	795.7	816.6	820.5
42.5°	727.7	733.0	756.5	773.5	776.1
45°	687.2	692.5	713.4	727.7	727.7
47.5°	646.7	649.3	667.6	682.0	680.7
50°	607.5	606.2	623.2	629.7	629.7
52.5°	559.2	563.1	574.9	578.8	574.9
55°	514.8	517.4	525.2	526.5	522.6
57.5°	471.7	470.4	476.9	473.0	467.7
60°	424.6	424.6	424.6	420.7	412.9
62.5°	378.9	376.3	375.0	365.8	361.9
65°	333.2	326.6	325.3	313.6	307.0
67.5°	284.8	282.2	275.7	263.9	252.2
70°	239.1	236.5	228.6	214.3	206.4
72.5°	197.3	194.7	184.2	167.2	156.8
75°	156.8	154.2	142.4	124.1	120.2
77.5°	118.9	117.6	105.8	96.7	95.4
80°	86.2	84.9	74.5	74.5	73.2
82.5°	54.9	54.9	52.3	53.6	54.9
85°	28.7	31.4	34.0	35.3	36.6
87.5°	9.1	14.4	17.0	18.3	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)