

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: P257446

Luminaire Tested: **D3X-WG-35L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257446  
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-35L830-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (112) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3378.5 lumens  
Efficiency: N/A  
Efficacy: 94.9 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

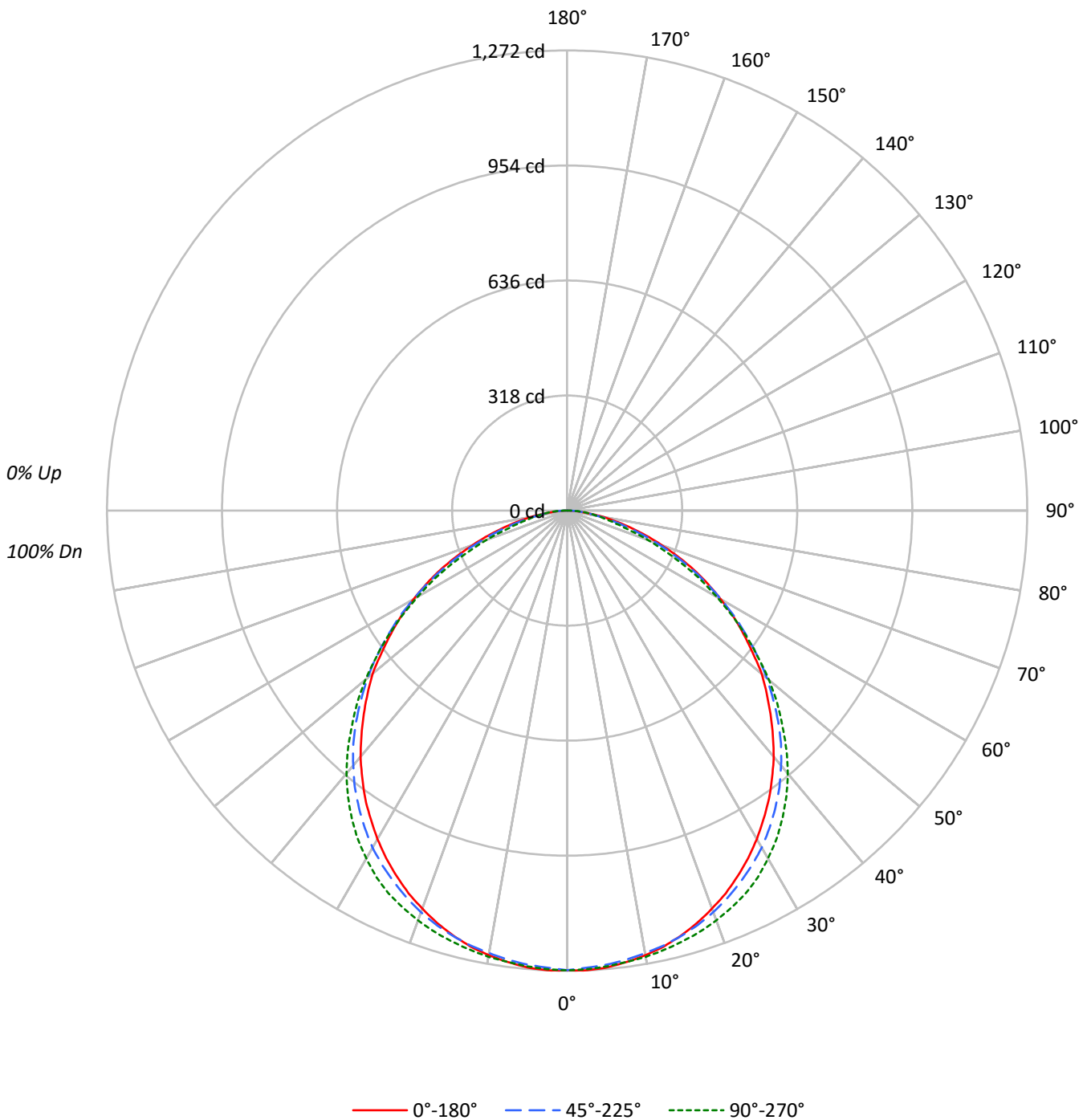
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3419	3419	3419
5°	3424	3404	3416
10°	3410	3393	3422
15°	3388	3392	3434
20°	3353	3383	3452
25°	3311	3364	3468
30°	3258	3342	3450
35°	3196	3296	3410
40°	3121	3232	3333
45°	3024	3139	3202
50°	2941	3017	3049
55°	2793	2849	2835
60°	2643	2643	2569
65°	2453	2395	2260
70°	2175	2080	1878
75°	1885	1712	1445
80°	1545	1334	1311
85°	1025	1213	1306



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.1	3.6
10°-20°	344.8	10.2
20°-30°	524.1	15.5
30°-40°	627.5	18.6
40°-50°	633.0	18.7
50°-60°	539.1	16.0
60°-70°	368.6	10.9
70°-80°	176.5	5.2
80°-90°	44.7	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°	989.1	29.3
0°-40°	1616.6	47.8
0°-60°	2788.7	82.5
0°-90°	3378.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3378.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1268	1266	1260	1266	1265	120
15°	1216	1213	1218	1231	1233	343
25°	1115	1116	1133	1159	1168	514
35°	973	976	1003	1032	1038	608
45°	795	801	825	842	842	614
55°	595	598	607	609	604	533
65°	385	378	376	363	355	380
75°	181	178	165	144	139	194
85°	33	36	39	41	42	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1270.6	1270.6	1270.6	1270.6	1270.6
2.5°	1272.1	1270.6	1264.6	1270.6	1269.1
5°	1267.6	1266.1	1260.0	1266.1	1264.6
7.5°	1258.5	1257.0	1252.5	1258.5	1258.5
10°	1247.9	1244.9	1241.9	1251.0	1252.5
12.5°	1234.3	1231.3	1231.3	1241.9	1243.4
15°	1216.2	1213.2	1217.7	1231.3	1232.8
17.5°	1195.1	1193.5	1201.1	1217.7	1220.7
20°	1170.9	1169.4	1181.5	1201.1	1205.6
22.5°	1145.2	1145.2	1158.8	1181.5	1187.5
25°	1115.0	1116.5	1133.1	1158.8	1167.9
27.5°	1083.3	1086.3	1105.9	1134.6	1142.2
30°	1048.5	1053.0	1075.7	1102.9	1110.4
32.5°	1010.7	1015.3	1041.0	1069.7	1077.2
35°	973.0	976.0	1003.2	1031.9	1037.9
37.5°	930.7	935.2	963.9	989.6	995.6
40°	888.4	892.9	920.1	944.3	948.8
42.5°	841.5	847.6	874.8	894.4	897.4
45°	794.7	800.7	824.9	841.5	841.5
47.5°	747.9	750.9	772.0	788.6	787.1
50°	702.5	701.0	720.7	728.2	728.2
52.5°	646.6	651.2	664.8	669.3	664.8
55°	595.3	598.3	607.3	608.9	604.3
57.5°	545.4	543.9	551.4	546.9	540.9
60°	491.0	491.0	491.0	486.5	477.4
62.5°	438.1	435.1	433.6	423.0	418.5
65°	385.3	377.7	376.2	362.6	355.0
67.5°	329.4	326.3	318.8	305.2	291.6
70°	276.5	273.5	264.4	247.8	238.7
72.5°	228.1	225.1	213.0	193.4	181.3
75°	181.3	178.3	164.7	143.5	139.0
77.5°	137.5	136.0	122.4	111.8	110.3
80°	99.7	98.2	86.1	86.1	84.6
82.5°	63.5	63.5	60.4	61.9	63.5
85°	33.2	36.3	39.3	40.8	42.3
87.5°	10.6	16.6	19.6	21.2	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)