

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: P298406

Luminaire Tested: **D3X-WO-35L93050-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L93050-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3250.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

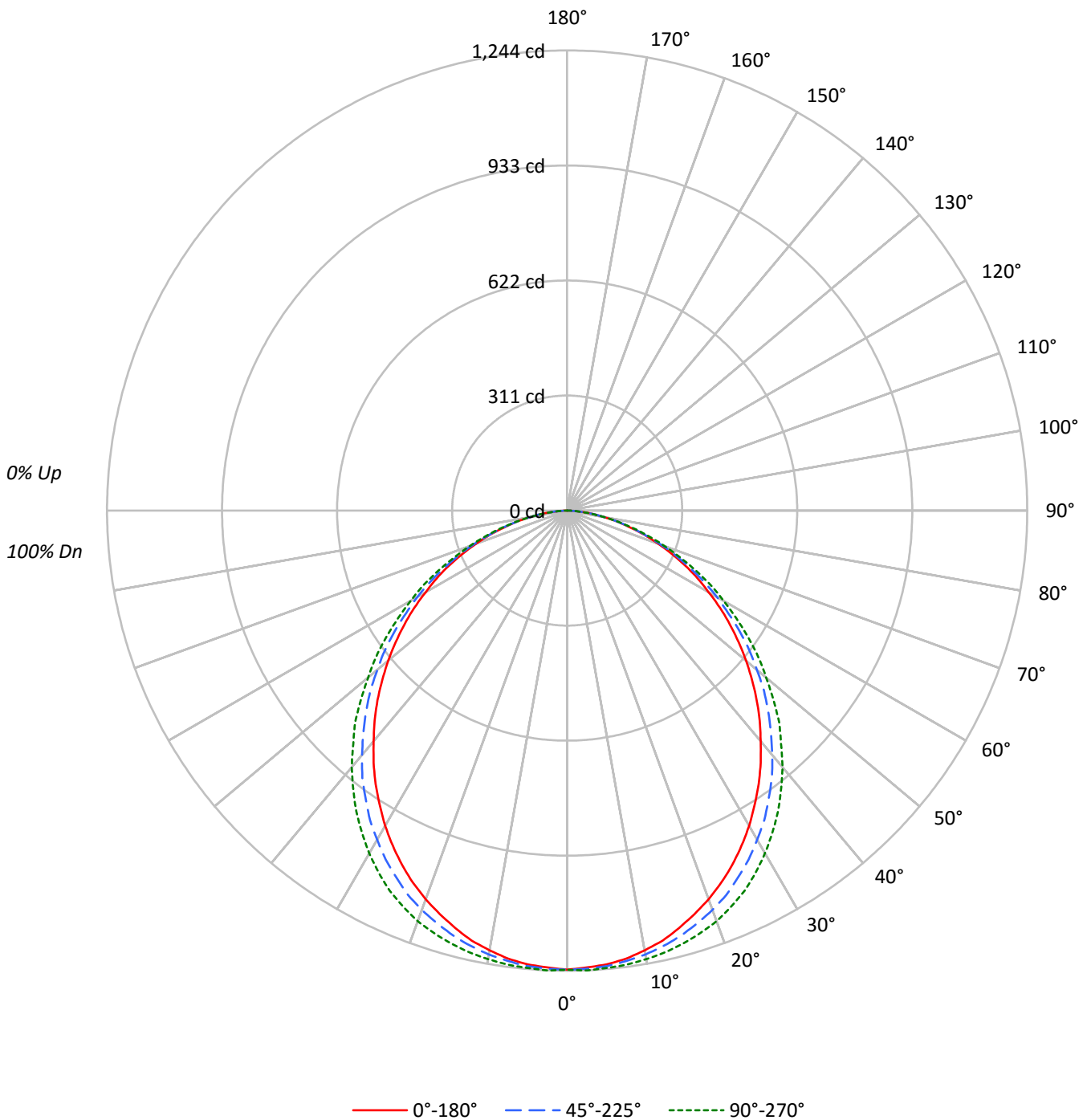
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	3340	3340	3340
5°	3326	3340	3353
10°	3299	3330	3365
15°	3255	3314	3377
20°	3202	3290	3383
25°	3138	3248	3368
30°	3057	3193	3324
35°	2966	3120	3264
40°	2859	3030	3183
45°	2759	2925	3085
50°	2642	2804	2940
55°	2520	2672	2801
60°	2378	2517	2630
65°	2246	2329	2442
70°	2062	2126	2202
75°	1834	1884	1935
80°	1579	1554	1554
85°	1198	1099	1000



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.4	3.6
10°-20°	335.6	10.3
20°-30°	503.9	15.5
30°-40°	593.0	18.2
40°-50°	591.5	18.2
50°-60°	507.6	15.6
60°-70°	363.5	11.2
70°-80°	192.5	5.9
80°-90°	45.0	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°	956.9	29.4
0°-40°	1549.9	47.7
0°-60°	2648.9	81.5
0°-90°	3250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1231	1231	1236	1240	1241	117
15°	1168	1173	1189	1206	1212	329
25°	1057	1066	1094	1121	1134	486
35°	903	914	950	982	994	564
45°	725	736	769	796	811	559
55°	537	545	570	589	597	480
65°	353	354	366	380	384	348
75°	176	176	181	184	186	189
85°	39	37	36	32	32	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1236.3	1236.3	1239.5	1242.8	1244.4
5°	1231.4	1231.4	1236.3	1239.5	1241.1
7.5°	1221.7	1221.7	1228.2	1234.7	1237.9
10°	1207.2	1210.4	1218.5	1228.2	1231.4
12.5°	1191.0	1194.2	1205.5	1218.5	1223.3
15°	1168.3	1173.2	1189.4	1205.5	1212.0
17.5°	1144.1	1150.5	1169.9	1189.4	1197.5
20°	1118.2	1124.6	1148.9	1171.6	1181.3
22.5°	1089.0	1097.1	1124.6	1148.9	1158.6
25°	1056.7	1066.4	1093.9	1121.4	1134.3
27.5°	1021.1	1032.4	1063.1	1092.3	1103.6
30°	983.9	996.8	1027.5	1058.3	1069.6
32.5°	943.4	954.7	991.9	1021.1	1032.4
35°	902.9	914.3	949.9	982.2	993.6
37.5°	859.3	873.8	909.4	938.5	949.9
40°	813.9	828.5	862.5	896.5	906.2
42.5°	770.3	783.2	815.6	846.3	856.0
45°	724.9	736.3	768.6	796.1	810.7
47.5°	678.0	689.3	721.7	747.6	755.7
50°	631.1	642.4	669.9	692.6	702.3
52.5°	584.2	595.5	621.4	642.4	652.1
55°	537.2	545.3	569.6	589.0	597.1
57.5°	490.3	496.8	516.2	537.2	542.1
60°	441.8	449.9	467.7	482.2	488.7
62.5°	398.1	401.3	417.5	430.4	438.5
65°	352.8	354.4	365.7	380.3	383.5
67.5°	305.8	307.5	318.8	326.9	330.1
70°	262.1	262.1	270.2	276.7	279.9
72.5°	220.1	218.5	223.3	229.8	233.0
75°	176.4	176.4	181.2	184.5	186.1
77.5°	139.2	135.9	139.2	142.4	142.4
80°	101.9	100.3	100.3	101.9	100.3
82.5°	69.6	68.0	69.6	66.3	64.7
85°	38.8	37.2	35.6	32.4	32.4
87.5°	12.9	11.3	11.3	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)