

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: P297134

Luminaire Tested: **D3X-WG-36L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-36L93050-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2687.0 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

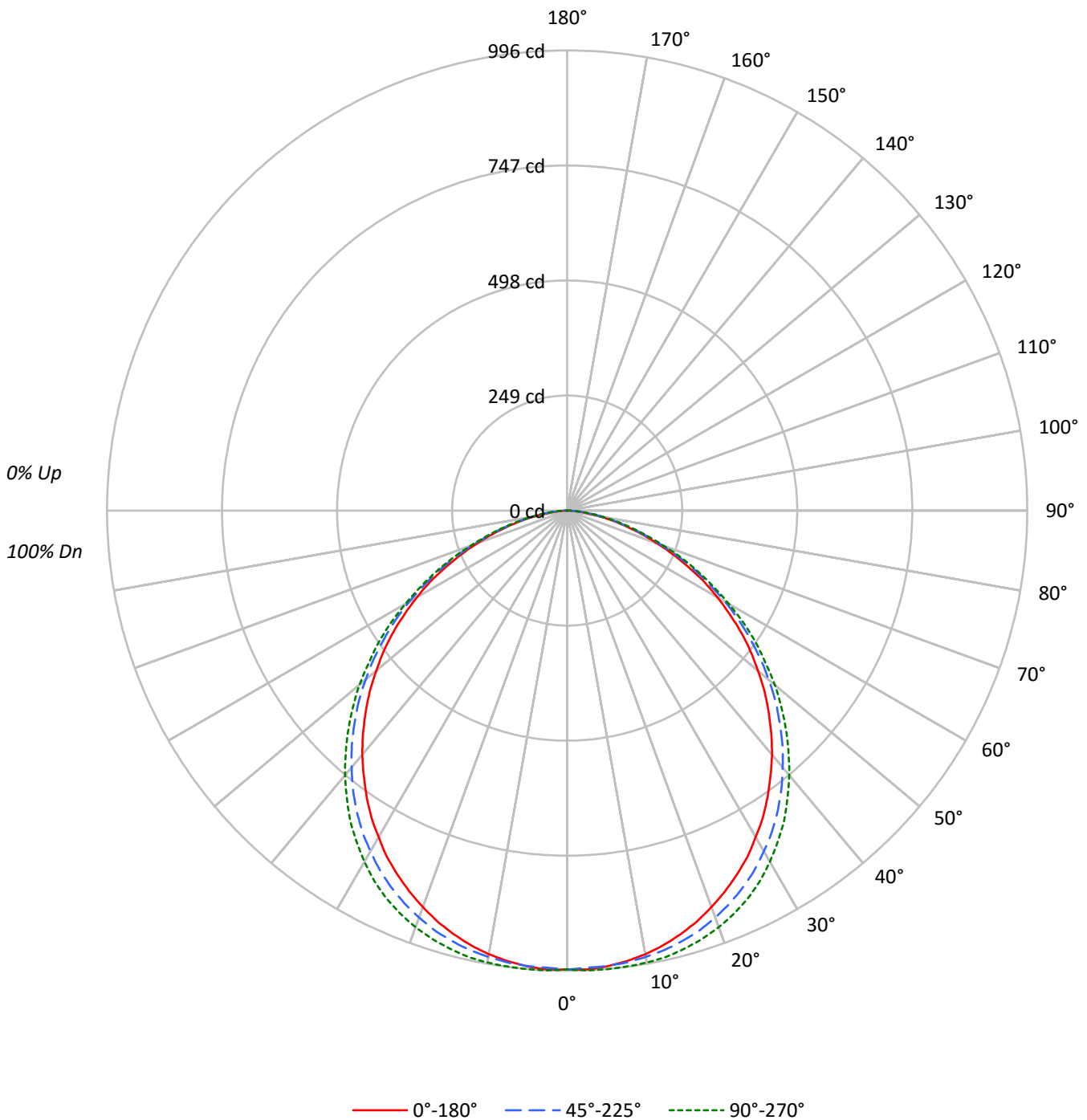
Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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		47	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	26

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

	0°	45°	90°
0°	1336	1336	1336
5°	1338	1336	1345
10°	1332	1340	1357
15°	1322	1344	1368
20°	1308	1342	1374
25°	1290	1336	1375
30°	1268	1323	1364
35°	1243	1304	1345
40°	1212	1275	1314
45°	1174	1238	1275
50°	1128	1193	1229
55°	1079	1133	1170
60°	1010	1062	1088
65°	922	971	996
70°	810	852	875
75°	686	721	745
80°	545	597	611
85°	372	446	431



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	3.5
10°-20°	272.5	10.1
20°-30°	414.1	15.4
30°-40°	494.1	18.4
40°-50°	499.1	18.6
50°-60°	430.0	16.0
60°-70°	299.7	11.2
70°-80°	148.5	5.5
80°-90°	34.6	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°	781.0	29.1
0°-40°	1275.1	47.5
0°-60°	2204.1	82.0
0°-90°	2687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2687.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	990	990	990	994	996	94
15°	949	954	964	977	982	268
25°	869	881	900	918	926	400
35°	756	769	794	812	819	473
45°	617	630	651	666	670	476
55°	460	470	483	495	499	410
65°	290	296	305	308	313	288
75°	132	134	139	142	143	142
85°	24	29	29	27	28	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	993.3	993.3	993.3	993.3	993.3
2.5°	994.3	992.4	990.4	994.3	996.2
5°	990.4	989.5	989.5	994.3	996.2
7.5°	983.7	983.7	986.6	993.3	995.3
10°	975.0	977.0	980.8	990.4	993.3
12.5°	963.5	967.3	974.1	985.6	989.5
15°	949.1	953.9	964.5	977.0	981.8
17.5°	932.7	939.4	952.9	967.3	972.2
20°	913.4	922.1	937.5	953.9	959.6
22.5°	892.3	902.8	920.2	937.5	944.2
25°	869.2	880.7	900.0	918.2	926.0
27.5°	845.1	856.6	877.8	896.1	903.8
30°	816.2	829.7	851.8	871.1	877.8
32.5°	788.3	801.8	824.9	842.2	848.9
35°	756.5	769.1	794.1	812.4	819.1
37.5°	722.9	737.3	761.4	777.7	783.5
40°	690.1	702.6	725.7	742.1	747.9
42.5°	653.6	667.0	690.1	704.6	709.4
45°	617.0	630.5	650.7	666.1	669.9
47.5°	579.4	592.0	612.2	624.7	628.5
50°	539.0	550.6	569.8	582.3	587.1
52.5°	500.5	511.1	527.5	538.1	540.9
55°	460.1	469.7	483.2	494.7	498.6
57.5°	416.8	427.4	439.9	449.5	452.4
60°	375.4	384.0	394.6	403.3	404.3
62.5°	335.0	338.8	348.4	356.1	357.1
65°	289.7	295.5	305.1	308.0	312.8
67.5°	248.3	252.2	259.9	263.7	267.6
70°	206.0	208.9	216.6	221.4	222.3
72.5°	169.4	170.4	176.1	180.0	181.0
75°	131.9	133.8	138.6	141.5	143.4
77.5°	100.1	102.0	105.9	107.8	107.8
80°	70.3	73.2	77.0	78.0	78.9
82.5°	45.2	49.1	52.0	52.9	51.0
85°	24.1	28.9	28.9	27.0	27.9
87.5°	8.7	10.6	11.6	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)