

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: P298119

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-2700K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2903.0 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

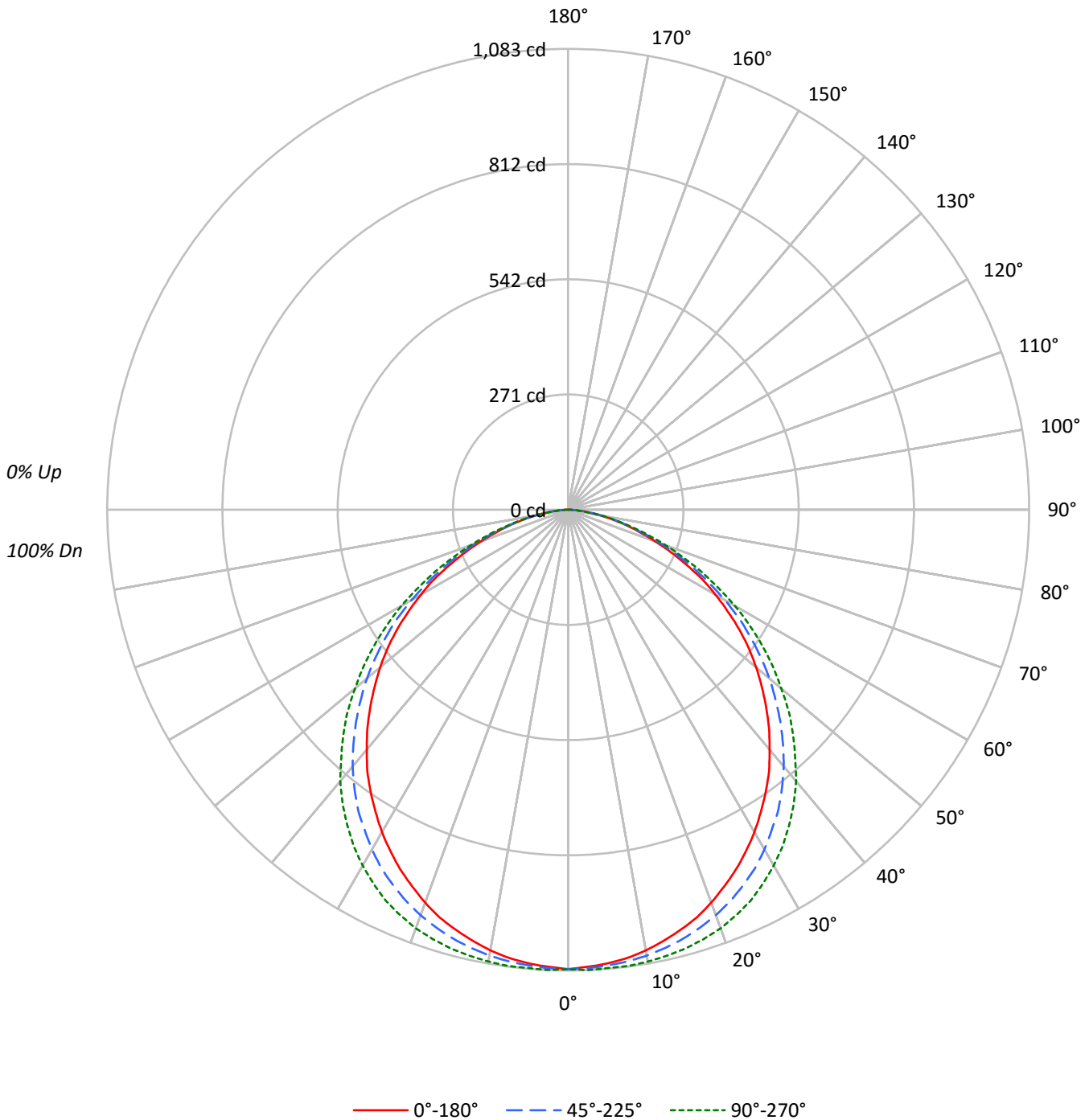
Input Watts (W): 32  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

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

	0°	45°	90°
0°	2905	2905	2905
5°	2891	2904	2921
10°	2873	2908	2946
15°	2847	2908	2973
20°	2815	2904	2998
25°	2770	2890	3011
30°	2719	2865	3001
35°	2659	2828	2972
40°	2585	2766	2926
45°	2503	2682	2842
50°	2414	2584	2735
55°	2302	2456	2610
60°	2153	2287	2439
65°	1950	2069	2199
70°	1721	1807	1906
75°	1478	1511	1576
80°	1187	1210	1235
85°	868	772	772



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.3	3.5
10°-20°	294.8	10.2
20°-30°	448.3	15.4
30°-40°	536.4	18.5
40°-50°	542.3	18.7
50°-60°	466.7	16.1
60°-70°	322.2	11.1
70°-80°	156.2	5.4
80°-90°	33.9	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°	845.4	29.1
0°-40°	1381.8	47.6
0°-60°	2390.7	82.4
0°-90°	2903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1070	1072	1075	1080	1081	102
15°	1022	1028	1044	1059	1067	288
25°	933	944	974	1003	1014	430
35°	809	824	861	892	905	506
45°	658	670	705	734	747	507
55°	491	498	524	547	556	437
65°	306	311	325	339	345	305
75°	142	139	145	150	152	151
85°	28	28	25	25	25	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1079.7	1079.7	1079.7	1079.7	1079.7
2.5°	1075.1	1075.1	1078.2	1081.3	1082.9
5°	1070.4	1071.9	1075.1	1079.7	1081.3
7.5°	1062.6	1064.1	1070.4	1078.2	1081.3
10°	1051.6	1054.7	1064.1	1073.5	1078.2
12.5°	1037.6	1043.8	1054.7	1067.2	1073.5
15°	1021.9	1028.2	1043.8	1059.4	1067.2
17.5°	1004.7	1011.0	1029.7	1050.1	1057.9
20°	982.9	992.2	1014.1	1037.6	1046.9
22.5°	957.9	970.4	995.4	1020.4	1031.3
25°	932.9	943.8	973.5	1003.2	1014.1
27.5°	904.7	917.2	950.1	979.7	990.7
30°	875.0	887.5	921.9	954.7	965.7
32.5°	842.2	857.9	890.7	925.0	937.6
35°	809.4	823.5	861.0	892.2	904.7
37.5°	775.0	787.5	825.0	857.9	870.4
40°	736.0	750.0	787.5	820.4	832.9
42.5°	698.5	712.5	746.9	778.2	789.1
45°	657.8	670.3	704.7	734.4	746.9
47.5°	617.2	631.3	661.0	690.7	703.2
50°	576.6	587.5	617.2	645.3	653.2
52.5°	534.4	543.8	570.3	595.3	606.3
55°	490.7	498.5	523.5	546.9	556.3
57.5°	443.8	453.1	476.6	493.8	504.7
60°	400.0	404.7	425.0	442.2	453.1
62.5°	356.3	357.8	373.5	390.6	396.9
65°	306.3	311.0	325.0	339.1	345.3
67.5°	261.0	265.6	276.6	287.5	292.2
70°	218.8	218.8	229.7	237.5	242.2
72.5°	176.6	178.1	185.9	190.6	195.3
75°	142.2	139.1	145.3	150.0	151.6
77.5°	106.3	104.7	109.4	110.9	114.1
80°	76.6	76.6	78.1	79.7	79.7
82.5°	50.0	50.0	51.6	48.4	46.9
85°	28.1	28.1	25.0	25.0	25.0
87.5°	9.4	9.4	9.4	10.9	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)