

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: P297649

Luminaire Tested: **D3X-WD-23L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-5000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2078.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

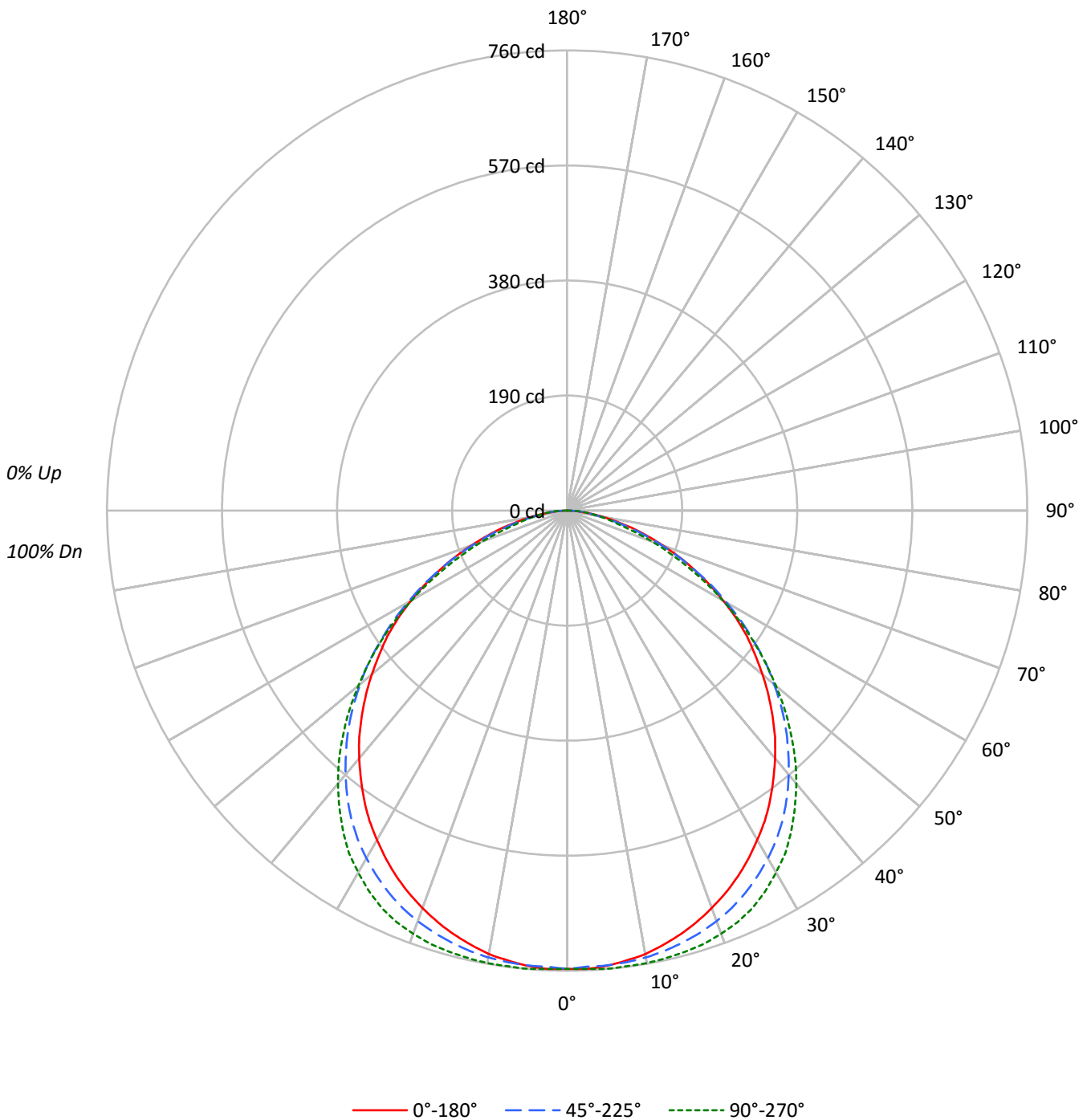
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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		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	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	25

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

	0°	45°	90°
0°	2037	2037	2037
5°	2039	2037	2052
10°	2033	2048	2073
15°	2018	2057	2101
20°	2000	2067	2130
25°	1980	2068	2151
30°	1951	2061	2144
35°	1920	2042	2121
40°	1877	2001	2069
45°	1825	1945	1991
50°	1763	1868	1883
55°	1702	1767	1758
60°	1603	1637	1597
65°	1477	1482	1400
70°	1321	1292	1175
75°	1148	1071	907
80°	921	834	834
85°	658	772	803



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.0	3.5
10°-20°	208.9	10.1
20°-30°	320.8	15.4
30°-40°	386.4	18.6
40°-50°	390.5	18.8
50°-60°	333.0	16.0
60°-70°	228.0	11.0
70°-80°	110.0	5.3
80°-90°	28.4	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°	601.7	29.0
0°-40°	988.1	47.6
0°-60°	1711.6	82.4
0°-90°	2078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	755	755	754	759	760	72
15°	724	730	738	751	754	204
25°	667	677	697	717	724	307
35°	584	597	622	641	646	365
45°	480	492	511	523	523	370
55°	363	369	377	378	375	323
65°	232	235	233	224	220	230
75°	110	110	103	91	87	117
85°	21	23	25	26	26	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	756.9	756.9	756.9	756.9	756.9
2.5°	757.8	756.9	754.1	757.8	757.8
5°	755.0	755.0	754.1	758.8	759.7
7.5°	749.5	751.3	752.3	757.8	758.8
10°	743.9	745.8	749.5	756.9	758.8
12.5°	734.6	738.4	744.8	755.0	756.9
15°	724.4	730.0	738.4	751.3	754.1
17.5°	712.4	719.8	730.9	745.8	750.4
20°	698.5	706.8	721.7	738.4	743.9
22.5°	683.6	692.9	710.5	730.0	735.6
25°	666.9	677.1	696.6	717.0	724.4
27.5°	648.4	659.5	680.8	702.2	708.7
30°	628.0	640.0	663.2	684.6	690.1
32.5°	607.6	619.6	643.7	664.1	670.6
35°	584.4	597.4	621.5	641.0	645.6
37.5°	559.3	572.3	596.4	615.9	617.8
40°	534.3	547.3	569.5	587.2	589.0
42.5°	508.3	520.4	540.8	555.6	557.5
45°	479.6	492.5	511.1	523.2	523.2
47.5°	450.8	463.8	479.6	487.9	487.9
50°	421.1	433.2	446.2	450.8	449.9
52.5°	391.4	402.6	413.7	414.6	412.8
55°	362.7	369.2	376.6	378.5	374.7
57.5°	331.1	336.7	341.3	338.6	335.8
60°	297.8	303.3	304.2	299.6	296.8
62.5°	265.3	269.9	269.9	262.5	257.9
65°	231.9	234.7	232.8	224.5	219.8
67.5°	200.4	202.2	198.5	190.2	182.7
70°	167.9	168.8	164.2	154.0	149.3
72.5°	138.2	139.1	133.6	121.5	115.9
75°	110.4	110.4	103.0	90.9	87.2
77.5°	82.6	85.3	77.0	70.5	70.5
80°	59.4	62.1	53.8	54.7	53.8
82.5°	39.0	41.7	39.0	39.0	39.0
85°	21.3	23.2	25.0	26.0	26.0
87.5°	6.5	11.1	12.1	13.0	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)