

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: P297785

Luminaire Tested: **D3X-WG-23L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297785  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-23L92765-LD5-UNV-14-T1-W2A-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1828.0 lumens  
Efficiency: N/A  
Efficacy: 89.2 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

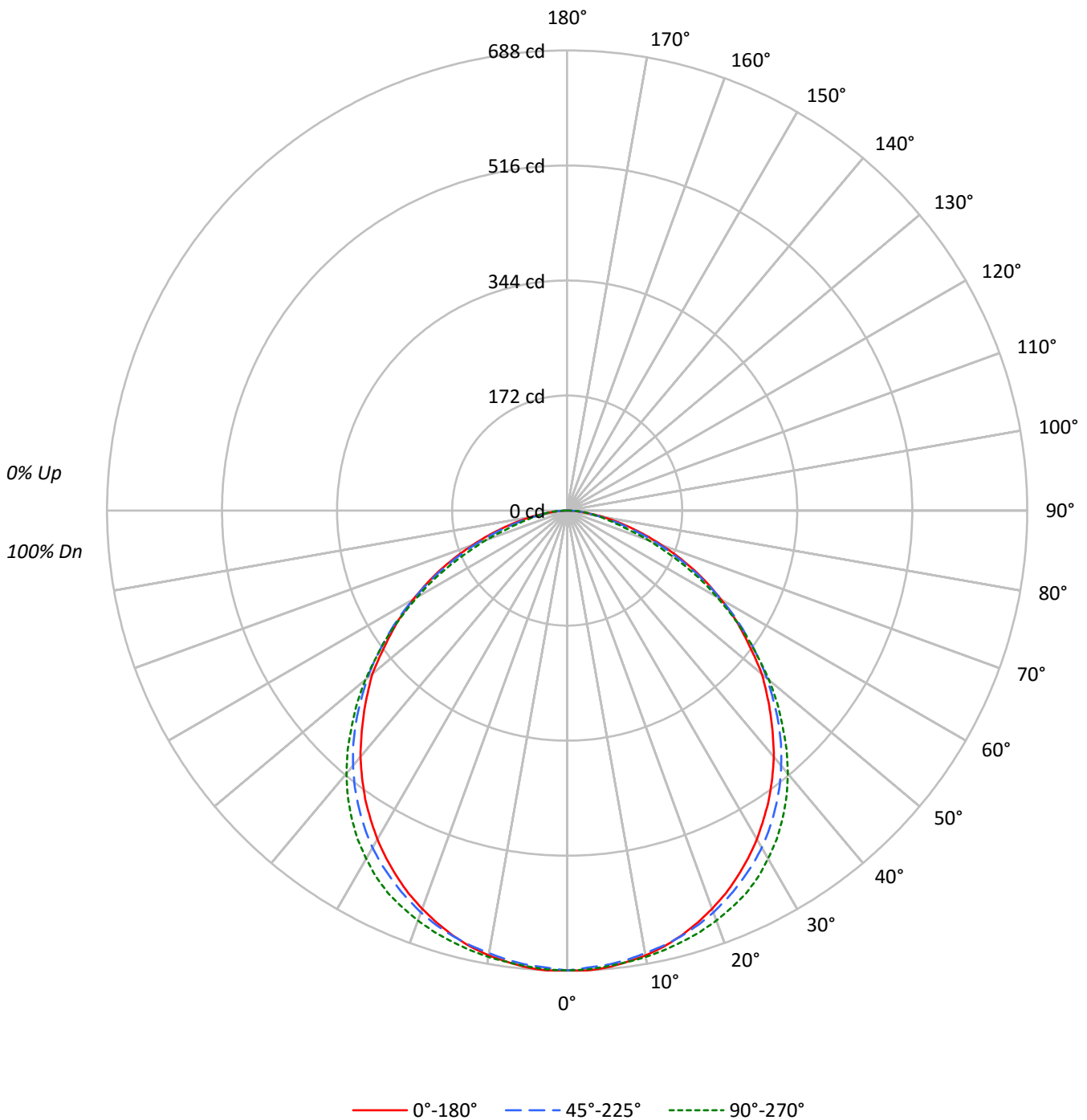
Input Watts (W): 20.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1850	1850	1850
5°	1853	1842	1848
10°	1845	1836	1852
15°	1833	1836	1858
20°	1814	1830	1868
25°	1791	1820	1876
30°	1763	1808	1867
35°	1729	1783	1845
40°	1689	1749	1803
45°	1636	1698	1733
50°	1591	1632	1649
55°	1511	1542	1534
60°	1430	1430	1390
65°	1328	1296	1223
70°	1177	1126	1017
75°	1020	926	782
80°	837	722	710
85°	556	658	707



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	3.6
10°-20°	186.6	10.2
20°-30°	283.6	15.5
30°-40°	339.5	18.6
40°-50°	342.5	18.7
50°-60°	291.7	16.0
60°-70°	199.5	10.9
70°-80°	95.5	5.2
80°-90°	24.2	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°	535.1	29.3
0°-40°	874.7	47.8
0°-60°	1508.8	82.5
0°-90°	1828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	686	685	682	685	684	65
15°	658	656	659	666	667	186
25°	603	604	613	627	632	278
35°	526	528	543	558	562	329
45°	430	433	446	455	455	332
55°	322	324	329	329	327	288
65°	208	204	204	196	192	206
75°	98	96	89	78	75	105
85°	18	20	21	22	23	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	687.5	687.5	687.5	687.5	687.5
2.5°	688.3	687.5	684.2	687.5	686.7
5°	685.8	685.0	681.8	685.0	684.2
7.5°	680.9	680.1	677.7	680.9	680.9
10°	675.2	673.6	671.9	676.8	677.7
12.5°	667.9	666.2	666.2	671.9	672.8
15°	658.0	656.4	658.9	666.2	667.0
17.5°	646.6	645.8	649.9	658.9	660.5
20°	633.5	632.7	639.2	649.9	652.3
22.5°	619.6	619.6	627.0	639.2	642.5
25°	603.3	604.1	613.1	627.0	631.9
27.5°	586.1	587.7	598.4	613.9	618.0
30°	567.3	569.8	582.0	596.7	600.8
32.5°	546.9	549.3	563.2	578.8	582.8
35°	526.4	528.1	542.8	558.3	561.6
37.5°	503.6	506.0	521.5	535.4	538.7
40°	480.7	483.1	497.8	510.9	513.4
42.5°	455.3	458.6	473.3	483.9	485.6
45°	430.0	433.2	446.3	455.3	455.3
47.5°	404.6	406.3	417.7	426.7	425.9
50°	380.1	379.3	389.9	394.0	394.0
52.5°	349.9	352.3	359.7	362.1	359.7
55°	322.1	323.7	328.6	329.4	327.0
57.5°	295.1	294.3	298.4	295.9	292.6
60°	265.7	265.7	265.7	263.2	258.3
62.5°	237.1	235.4	234.6	228.9	226.4
65°	208.5	204.4	203.5	196.2	192.1
67.5°	178.2	176.6	172.5	165.1	157.8
70°	149.6	148.0	143.1	134.1	129.2
72.5°	123.4	121.8	115.3	104.6	98.1
75°	98.1	96.5	89.1	77.7	75.2
77.5°	74.4	73.6	66.2	60.5	59.7
80°	54.0	53.1	46.6	46.6	45.8
82.5°	34.3	34.3	32.7	33.5	34.3
85°	18.0	19.6	21.3	22.1	22.9
87.5°	5.7	9.0	10.6	11.4	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)