

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: P297784

Luminaire Tested: **D3X-WG-23L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297784  
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-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1758.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 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

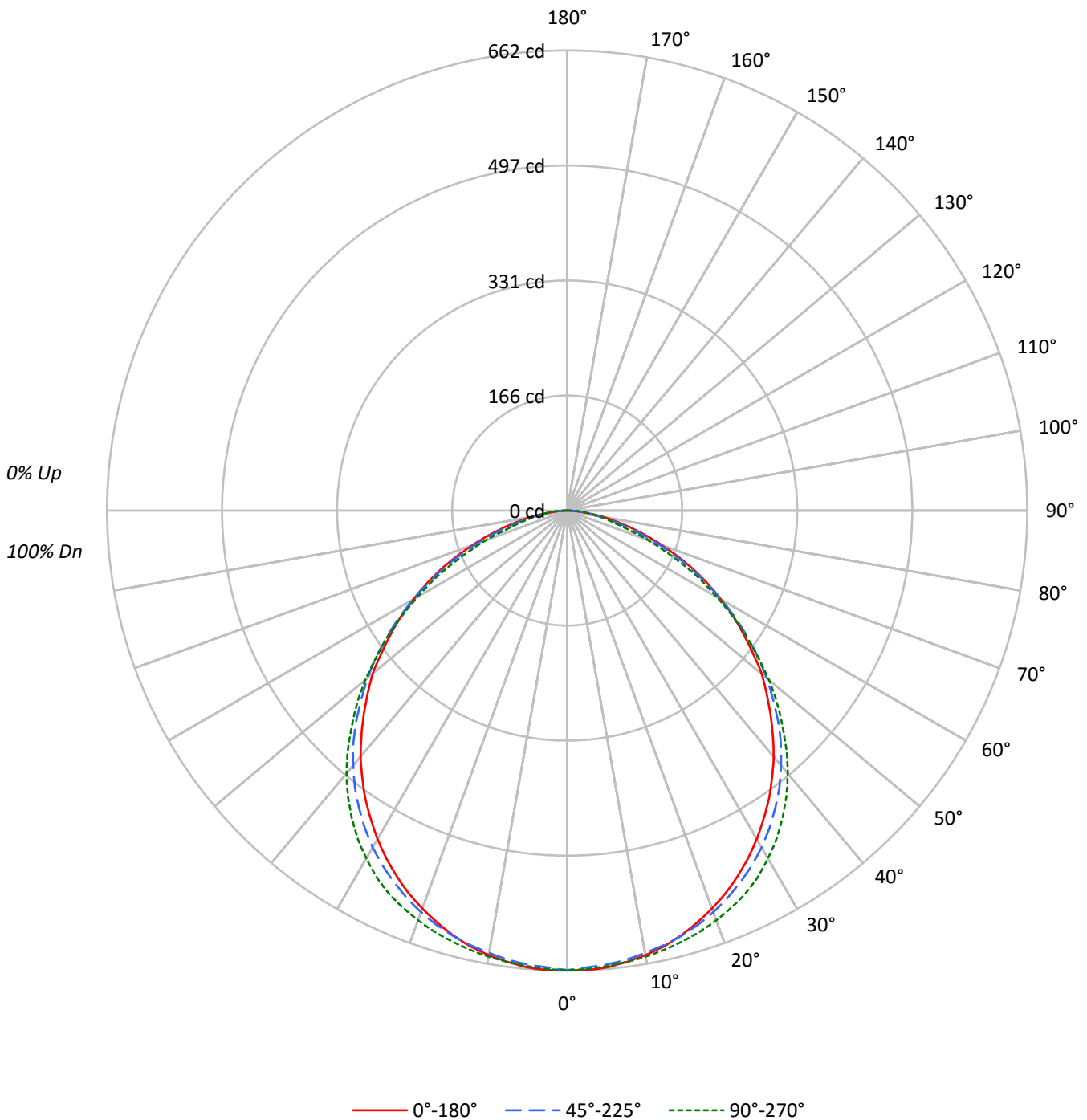
Input Watts (W): 20.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1779	1779	1779
5°	1782	1771	1777
10°	1774	1766	1781
15°	1763	1765	1787
20°	1745	1761	1796
25°	1723	1751	1804
30°	1695	1739	1795
35°	1663	1715	1774
40°	1624	1682	1734
45°	1574	1633	1666
50°	1531	1570	1586
55°	1453	1483	1476
60°	1375	1375	1337
65°	1277	1247	1176
70°	1132	1083	977
75°	980	891	752
80°	804	694	682
85°	534	630	679



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	3.6
10°-20°	179.4	10.2
20°-30°	272.7	15.5
30°-40°	326.5	18.6
40°-50°	329.4	18.7
50°-60°	280.5	16.0
60°-70°	191.8	10.9
70°-80°	91.9	5.2
80°-90°	23.2	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°	514.7	29.3
0°-40°	841.2	47.8
0°-60°	1451.1	82.5
0°-90°	1758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	660	659	656	659	658	63
15°	633	631	634	641	642	178
25°	580	581	590	603	608	267
35°	506	508	522	537	540	316
45°	414	417	429	438	438	319
55°	310	311	316	317	314	277
65°	200	196	196	189	185	198
75°	94	93	86	75	72	101
85°	17	19	20	21	22	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	661.2	661.2	661.2	661.2	661.2
2.5°	661.9	661.2	658.0	661.2	660.4
5°	659.6	658.8	655.6	658.8	658.0
7.5°	654.9	654.1	651.7	654.9	654.9
10°	649.4	647.8	646.2	650.9	651.7
12.5°	642.3	640.7	640.7	646.2	647.0
15°	632.8	631.3	633.6	640.7	641.5
17.5°	621.8	621.1	625.0	633.6	635.2
20°	609.3	608.5	614.8	625.0	627.3
22.5°	595.9	595.9	603.0	614.8	617.9
25°	580.2	581.0	589.6	603.0	607.7
27.5°	563.7	565.2	575.5	590.4	594.3
30°	545.6	547.9	559.7	573.9	577.8
32.5°	525.9	528.3	541.7	556.6	560.5
35°	506.3	507.9	522.0	536.9	540.1
37.5°	484.3	486.6	501.6	514.9	518.1
40°	462.3	464.6	478.8	491.3	493.7
42.5°	437.9	441.0	455.2	465.4	467.0
45°	413.5	416.7	429.2	437.9	437.9
47.5°	389.1	390.7	401.7	410.4	409.6
50°	365.6	364.8	375.0	378.9	378.9
52.5°	336.5	338.8	345.9	348.3	345.9
55°	309.7	311.3	316.0	316.8	314.5
57.5°	283.8	283.0	286.9	284.6	281.4
60°	255.5	255.5	255.5	253.1	248.4
62.5°	228.0	226.4	225.6	220.1	217.8
65°	200.5	196.5	195.8	188.7	184.7
67.5°	171.4	169.8	165.9	158.8	151.7
70°	143.9	142.3	137.6	128.9	124.2
72.5°	118.7	117.1	110.8	100.6	94.3
75°	94.3	92.8	85.7	74.7	72.3
77.5°	71.5	70.8	63.7	58.2	57.4
80°	51.9	51.1	44.8	44.8	44.0
82.5°	33.0	33.0	31.4	32.2	33.0
85°	17.3	18.9	20.4	21.2	22.0
87.5°	5.5	8.6	10.2	11.0	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)