

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: P297786

Luminaire Tested: **D3X-WG-23L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297786  
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-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1920.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

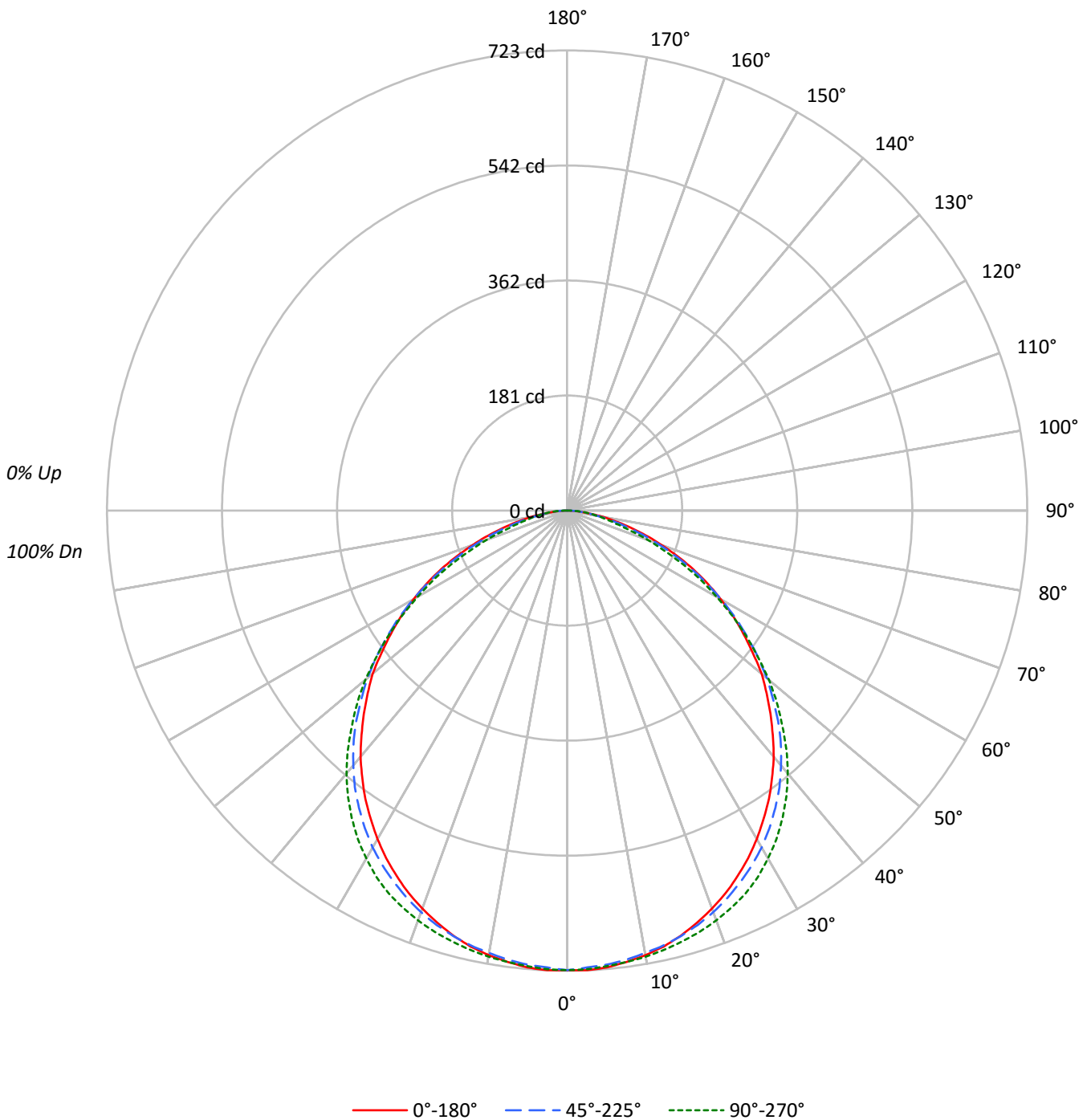
Input Watts (W): 20.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1943	1943	1943
5°	1946	1934	1941
10°	1938	1929	1945
15°	1926	1928	1952
20°	1905	1923	1962
25°	1881	1912	1971
30°	1852	1899	1961
35°	1816	1873	1938
40°	1774	1837	1894
45°	1719	1784	1820
50°	1671	1714	1732
55°	1587	1620	1611
60°	1502	1502	1460
65°	1394	1361	1285
70°	1236	1183	1068
75°	1071	973	821
80°	879	758	745
85°	584	689	741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	3.6
10°-20°	196.0	10.2
20°-30°	297.8	15.5
30°-40°	356.6	18.6
40°-50°	359.7	18.7
50°-60°	306.4	16.0
60°-70°	209.5	10.9
70°-80°	100.3	5.2
80°-90°	25.4	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°	562.1	29.3
0°-40°	918.7	47.8
0°-60°	1584.8	82.5
0°-90°	1920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1920.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	720	720	716	720	719	68
15°	691	689	692	700	701	195
25°	634	634	644	658	664	292
35°	553	555	570	586	590	345
45°	452	455	469	478	478	349
55°	338	340	345	346	343	303
65°	219	215	214	206	202	216
75°	103	101	94	82	79	110
85°	19	21	22	23	24	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	722.1	722.1	722.1	722.1	722.1
2.5°	722.9	722.1	718.6	722.1	721.2
5°	720.4	719.5	716.1	719.5	718.6
7.5°	715.2	714.3	711.8	715.2	715.2
10°	709.2	707.5	705.8	710.9	711.8
12.5°	701.5	699.8	699.8	705.8	706.6
15°	691.2	689.4	692.0	699.8	700.6
17.5°	679.1	678.3	682.6	692.0	693.7
20°	665.4	664.6	671.4	682.6	685.2
22.5°	650.8	650.8	658.5	671.4	674.9
25°	633.6	634.5	643.9	658.5	663.7
27.5°	615.6	617.3	628.5	644.8	649.1
30°	595.9	598.4	611.3	626.8	631.1
32.5°	574.4	577.0	591.6	607.9	612.2
35°	552.9	554.7	570.1	586.4	589.9
37.5°	528.9	531.5	547.8	562.4	565.8
40°	504.9	507.4	522.9	536.6	539.2
42.5°	478.2	481.7	497.1	508.3	510.0
45°	451.6	455.1	468.8	478.2	478.2
47.5°	425.0	426.7	438.7	448.2	447.3
50°	399.2	398.4	409.5	413.8	413.8
52.5°	367.5	370.1	377.8	380.4	377.8
55°	338.3	340.0	345.2	346.0	343.4
57.5°	310.0	309.1	313.4	310.8	307.4
60°	279.0	279.0	279.0	276.5	271.3
62.5°	249.0	247.3	246.4	240.4	237.8
65°	218.9	214.6	213.8	206.1	201.8
67.5°	187.2	185.5	181.2	173.4	165.7
70°	157.1	155.4	150.3	140.8	135.7
72.5°	129.6	127.9	121.1	109.9	103.0
75°	103.0	101.3	93.6	81.6	79.0
77.5°	78.1	77.3	69.5	63.5	62.7
80°	56.7	55.8	48.9	48.9	48.1
82.5°	36.1	36.1	34.3	35.2	36.1
85°	18.9	20.6	22.3	23.2	24.0
87.5°	6.0	9.4	11.2	12.0	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)