

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: P297761

Luminaire Tested: **D3X-WG-23L93050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297761  
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-23L93050-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2060.0 lumens  
Efficiency: N/A  
Efficacy: 97.2 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

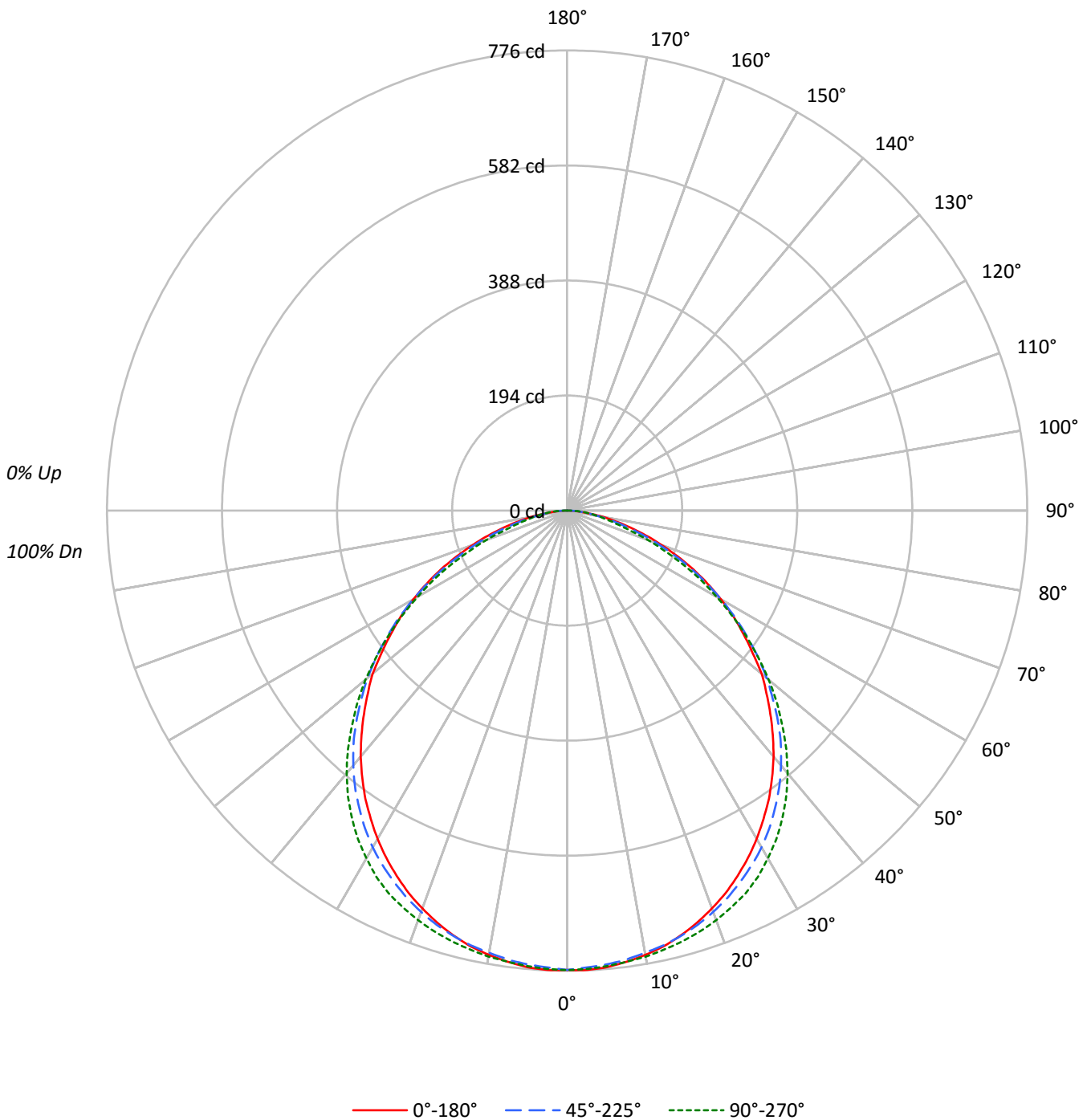
Input Watts (W): 21.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2085	2085	2085
5°	2088	2075	2083
10°	2079	2069	2087
15°	2066	2069	2094
20°	2044	2063	2105
25°	2018	2051	2114
30°	1986	2038	2104
35°	1949	2009	2079
40°	1903	1971	2032
45°	1844	1914	1953
50°	1793	1840	1859
55°	1703	1737	1729
60°	1611	1611	1567
65°	1496	1461	1379
70°	1327	1268	1145
75°	1149	1044	882
80°	942	814	800
85°	627	741	797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	3.6
10°-20°	210.3	10.2
20°-30°	319.6	15.5
30°-40°	382.6	18.6
40°-50°	385.9	18.7
50°-60°	328.7	16.0
60°-70°	224.8	10.9
70°-80°	107.6	5.2
80°-90°	27.3	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°	603.1	29.3
0°-40°	985.7	47.8
0°-60°	1700.3	82.5
0°-90°	2060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	773	772	768	772	771	73
15°	742	740	742	751	752	209
25°	680	681	691	707	712	313
35°	593	595	612	629	633	371
45°	485	488	503	513	513	374
55°	363	365	370	371	368	325
65°	235	230	229	221	216	232
75°	110	109	100	88	85	118
85°	20	22	24	25	26	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	774.7	774.7	774.7	774.7	774.7
2.5°	775.6	774.7	771.0	774.7	773.8
5°	772.9	772.0	768.3	772.0	771.0
7.5°	767.4	766.4	763.7	767.4	767.4
10°	760.9	759.1	757.2	762.8	763.7
12.5°	752.6	750.8	750.8	757.2	758.1
15°	741.6	739.7	742.5	750.8	751.7
17.5°	728.7	727.7	732.4	742.5	744.3
20°	713.9	713.0	720.4	732.4	735.1
22.5°	698.3	698.3	706.6	720.4	724.1
25°	679.8	680.8	690.9	706.6	712.1
27.5°	660.5	662.3	674.3	691.8	696.4
30°	639.3	642.1	655.9	672.5	677.1
32.5°	616.3	619.0	634.7	652.2	656.8
35°	593.3	595.1	611.7	629.2	632.9
37.5°	567.5	570.2	587.7	603.4	607.1
40°	541.7	544.4	561.0	575.7	578.5
42.5°	513.1	516.8	533.4	545.3	547.2
45°	484.6	488.2	503.0	513.1	513.1
47.5°	456.0	457.8	470.7	480.9	479.9
50°	428.4	427.4	439.4	444.0	444.0
52.5°	394.3	397.0	405.3	408.1	405.3
55°	363.0	364.8	370.3	371.2	368.5
57.5°	332.6	331.6	336.2	333.5	329.8
60°	299.4	299.4	299.4	296.6	291.1
62.5°	267.1	265.3	264.4	257.9	255.2
65°	234.9	230.3	229.4	221.1	216.5
67.5°	200.8	199.0	194.4	186.1	177.8
70°	168.6	166.7	161.2	151.1	145.5
72.5°	139.1	137.3	129.9	117.9	110.5
75°	110.5	108.7	100.4	87.5	84.8
77.5°	83.8	82.9	74.6	68.2	67.2
80°	60.8	59.9	52.5	52.5	51.6
82.5°	38.7	38.7	36.8	37.8	38.7
85°	20.3	22.1	24.0	24.9	25.8
87.5°	6.4	10.1	12.0	12.9	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)