

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: P297792

Luminaire Tested: **D3X-WG-23L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297792  
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-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2129.0 lumens  
Efficiency: N/A  
Efficacy: 98.6 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

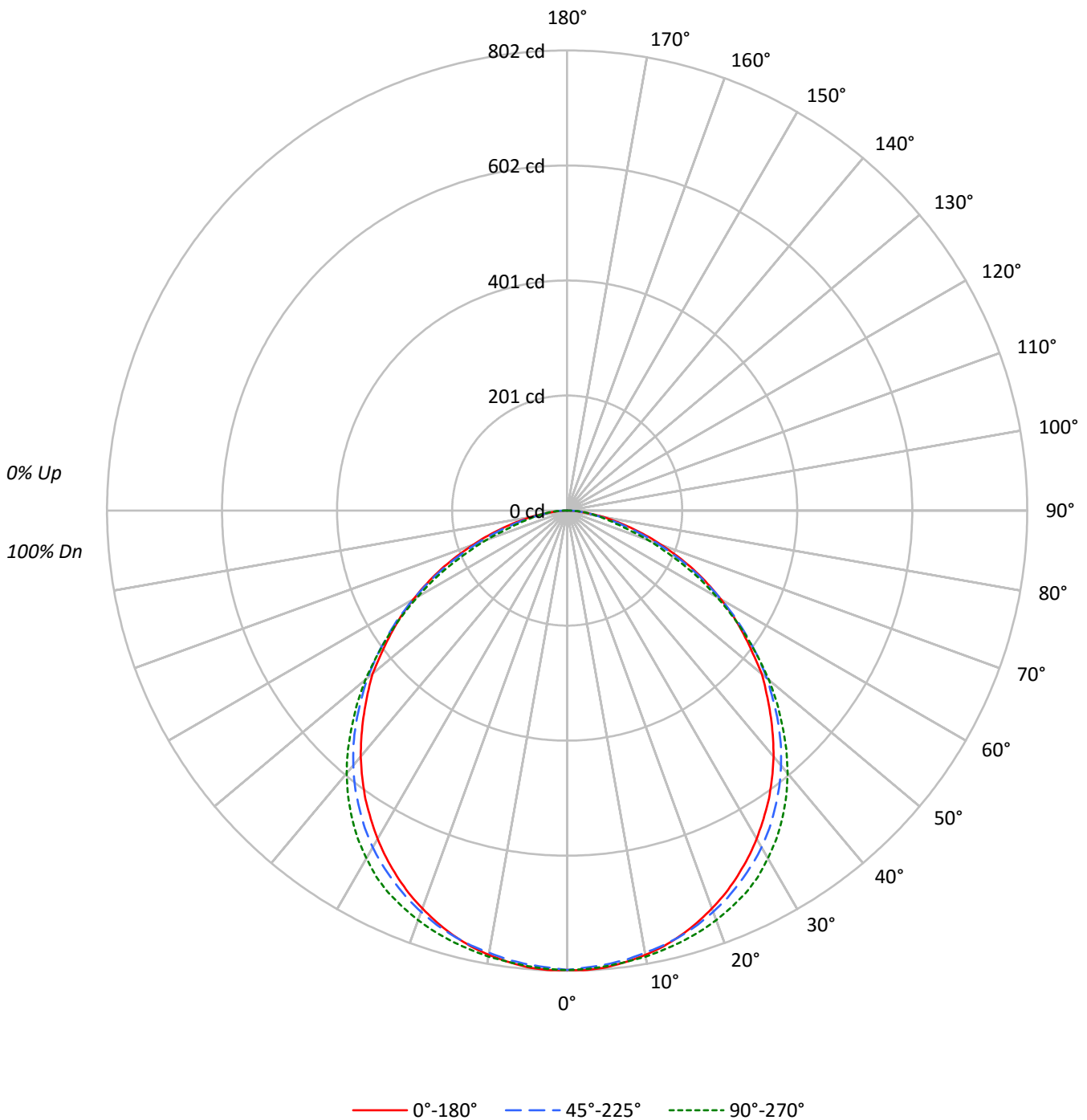
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2155	2155	2155
5°	2158	2145	2153
10°	2149	2138	2157
15°	2135	2138	2164
20°	2113	2132	2176
25°	2086	2120	2185
30°	2053	2106	2174
35°	2014	2077	2149
40°	1966	2037	2100
45°	1906	1978	2018
50°	1853	1901	1921
55°	1760	1795	1787
60°	1665	1665	1619
65°	1546	1510	1424
70°	1371	1311	1183
75°	1187	1079	911
80°	973	841	826
85°	645	766	824



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.7	3.6
10°-20°	217.3	10.2
20°-30°	330.3	15.5
30°-40°	395.4	18.6
40°-50°	398.9	18.7
50°-60°	339.7	16.0
60°-70°	232.3	10.9
70°-80°	111.2	5.2
80°-90°	28.2	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°	623.3	29.3
0°-40°	1018.7	47.8
0°-60°	1757.3	82.5
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	799	798	794	798	797	76
15°	766	764	767	776	777	216
25°	703	704	714	730	736	324
35°	613	615	632	650	654	383
45°	501	505	520	530	530	387
55°	375	377	383	384	381	336
65°	243	238	237	228	224	239
75°	114	112	104	90	88	122
85°	21	23	25	26	27	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	800.7	800.7	800.7	800.7	800.7
2.5°	801.6	800.7	796.9	800.7	799.7
5°	798.8	797.8	794.0	797.8	796.9
7.5°	793.1	792.1	789.3	793.1	793.1
10°	786.4	784.5	782.6	788.3	789.3
12.5°	777.8	775.9	775.9	782.6	783.5
15°	766.4	764.5	767.4	775.9	776.9
17.5°	753.1	752.1	756.9	767.4	769.3
20°	737.8	736.9	744.5	756.9	759.7
22.5°	721.7	721.7	730.2	744.5	748.3
25°	702.6	703.6	714.0	730.2	735.9
27.5°	682.6	684.5	696.9	715.0	719.8
30°	660.7	663.6	677.9	695.0	699.8
32.5°	636.9	639.8	656.0	674.1	678.8
35°	613.1	615.0	632.2	650.3	654.1
37.5°	586.5	589.3	607.4	623.6	627.4
40°	559.8	562.7	579.8	595.0	597.9
42.5°	530.3	534.1	551.2	563.6	565.5
45°	500.8	504.6	519.8	530.3	530.3
47.5°	471.3	473.2	486.5	497.0	496.0
50°	442.7	441.8	454.1	458.9	458.9
52.5°	407.5	410.3	418.9	421.8	418.9
55°	375.1	377.0	382.7	383.7	380.8
57.5°	343.7	342.7	347.5	344.6	340.8
60°	309.4	309.4	309.4	306.6	300.8
62.5°	276.1	274.2	273.2	266.6	263.7
65°	242.8	238.0	237.1	228.5	223.7
67.5°	207.5	205.6	200.9	192.3	183.7
70°	174.2	172.3	166.6	156.1	150.4
72.5°	143.8	141.9	134.2	121.9	114.2
75°	114.2	112.3	103.8	90.4	87.6
77.5°	86.6	85.7	77.1	70.5	69.5
80°	62.8	61.9	54.3	54.3	53.3
82.5°	40.0	40.0	38.1	39.0	40.0
85°	20.9	22.8	24.8	25.7	26.7
87.5°	6.7	10.5	12.4	13.3	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)