

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: P297768

Luminaire Tested: **D3X-WG-26L93050-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297768
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-26L93050-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2366.0 lumens
Efficiency: N/A
Efficacy: 95.4 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

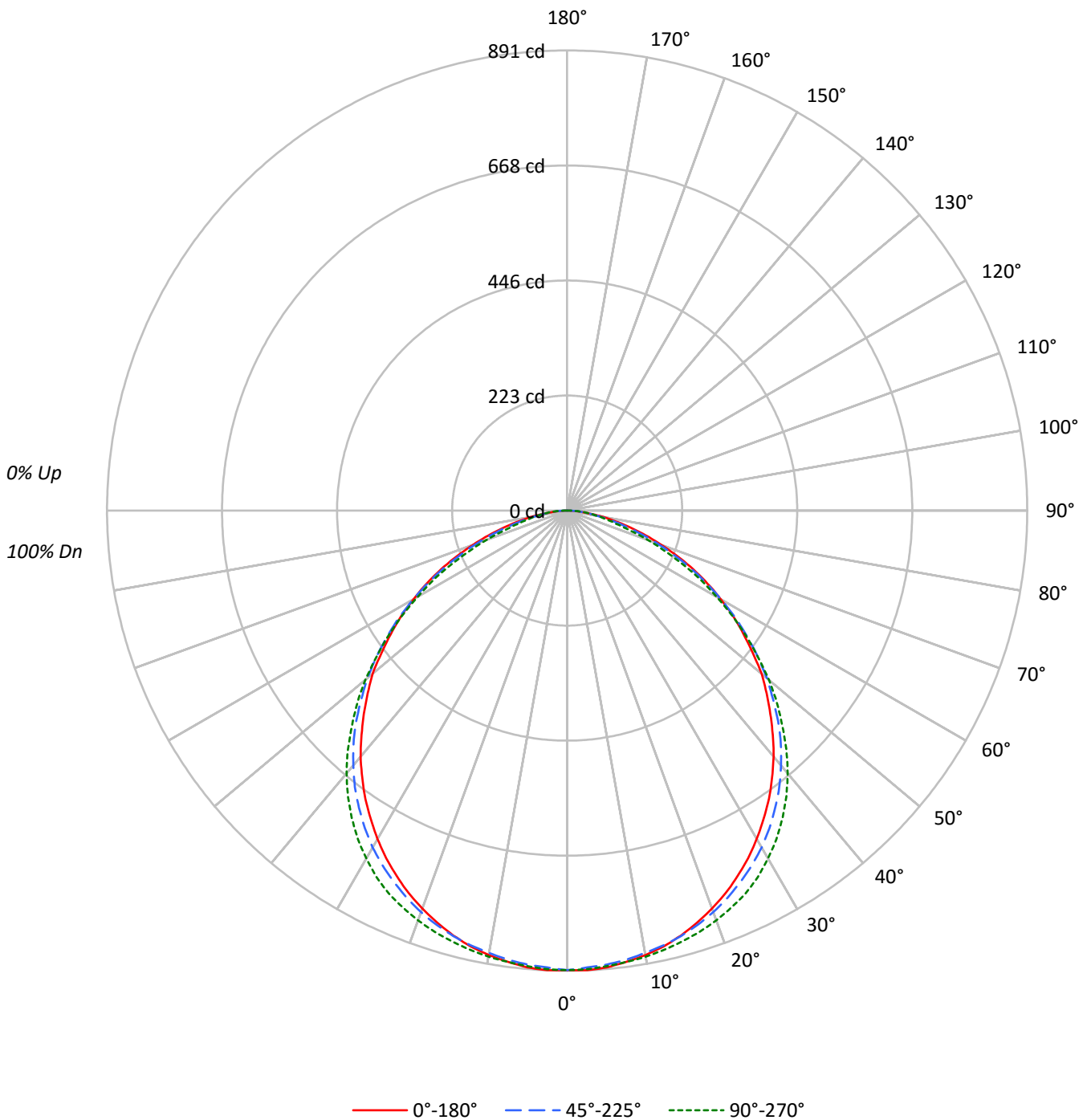
Input Watts (W): 24.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2394	2394	2394
5°	2398	2384	2392
10°	2388	2376	2397
15°	2373	2376	2405
20°	2348	2369	2418
25°	2318	2356	2428
30°	2282	2341	2417
35°	2238	2308	2388
40°	2185	2263	2334
45°	2118	2199	2243
50°	2060	2113	2135
55°	1956	1995	1985
60°	1851	1851	1799
65°	1718	1678	1583
70°	1523	1457	1316
75°	1320	1199	1012
80°	1082	934	919
85°	719	849	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	3.6
10°-20°	241.5	10.2
20°-30°	367.0	15.5
30°-40°	439.4	18.6
40°-50°	443.3	18.7
50°-60°	377.6	16.0
60°-70°	258.2	10.9
70°-80°	123.6	5.2
80°-90°	31.3	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°	692.7	29.3
0°-40°	1132.1	47.8
0°-60°	1952.9	82.5
0°-90°	2366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	888	887	882	887	886	84
15°	852	850	853	862	863	240
25°	781	782	794	812	818	360
35°	681	684	702	723	727	426
45°	556	561	578	589	589	430
55°	417	419	425	426	423	373
65°	270	264	264	254	249	266
75°	127	125	115	100	97	136
85°	23	25	28	29	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	889.8	889.8	889.8	889.8	889.8
2.5°	890.9	889.8	885.6	889.8	888.8
5°	887.7	886.6	882.4	886.6	885.6
7.5°	881.3	880.3	877.1	881.3	881.3
10°	873.9	871.8	869.7	876.1	877.1
12.5°	864.4	862.3	862.3	869.7	870.8
15°	851.7	849.6	852.8	862.3	863.4
17.5°	836.9	835.8	841.1	852.8	854.9
20°	820.0	818.9	827.4	841.1	844.3
22.5°	802.0	802.0	811.5	827.4	831.6
25°	780.8	781.9	793.5	811.5	817.9
27.5°	758.6	760.7	774.5	794.6	799.9
30°	734.3	737.5	753.3	772.4	777.7
32.5°	707.8	711.0	729.0	749.1	754.4
35°	681.4	683.5	702.5	722.6	726.9
37.5°	651.8	654.9	675.0	693.0	697.2
40°	622.1	625.3	644.3	661.3	664.4
42.5°	589.3	593.6	612.6	626.4	628.5
45°	556.5	560.8	577.7	589.3	589.3
47.5°	523.7	525.8	540.7	552.3	551.2
50°	492.0	490.9	504.7	510.0	510.0
52.5°	452.8	456.0	465.5	468.7	465.5
55°	416.9	419.0	425.3	426.4	423.2
57.5°	382.0	380.9	386.2	383.0	378.8
60°	343.9	343.9	343.9	340.7	334.3
62.5°	306.8	304.7	303.7	296.3	293.1
65°	269.8	264.5	263.5	253.9	248.6
67.5°	230.7	228.5	223.2	213.7	204.2
70°	193.6	191.5	185.2	173.5	167.2
72.5°	159.8	157.6	149.2	135.4	127.0
75°	127.0	124.8	115.3	100.5	97.3
77.5°	96.3	95.2	85.7	78.3	77.2
80°	69.8	68.8	60.3	60.3	59.3
82.5°	44.4	44.4	42.3	43.4	44.4
85°	23.3	25.4	27.5	28.6	29.6
87.5°	7.4	11.6	13.8	14.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)