

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: P297621

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-23L93050-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2063.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

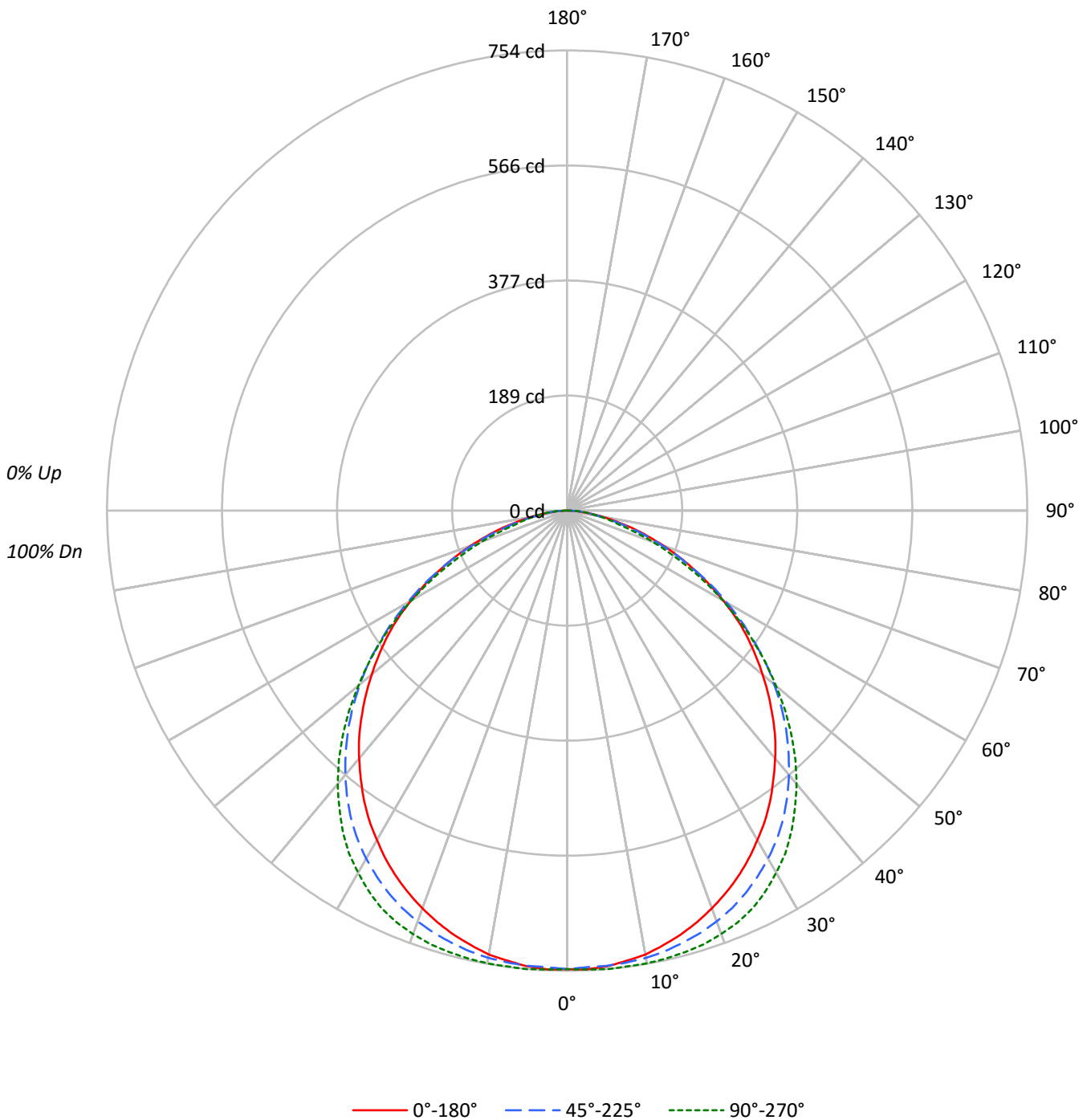
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2022	2022	2022
5°	2025	2022	2037
10°	2018	2033	2058
15°	2004	2042	2086
20°	1986	2052	2115
25°	1966	2053	2135
30°	1937	2046	2129
35°	1906	2027	2105
40°	1863	1986	2054
45°	1812	1931	1977
50°	1750	1854	1870
55°	1689	1754	1745
60°	1591	1625	1586
65°	1466	1472	1389
70°	1312	1282	1167
75°	1140	1063	900
80°	913	828	828
85°	655	769	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	3.5
10°-20°	207.4	10.1
20°-30°	318.5	15.4
30°-40°	383.6	18.6
40°-50°	387.6	18.8
50°-60°	330.6	16.0
60°-70°	226.3	11.0
70°-80°	109.2	5.3
80°-90°	28.2	1.4
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°	597.4	29.0
0°-40°	981.0	47.6
0°-60°	1699.3	82.4
0°-90°	2063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	750	750	749	753	754	71
15°	719	725	733	746	749	203
25°	662	672	692	712	719	305
35°	580	593	617	636	641	363
45°	476	489	507	519	519	367
55°	360	366	374	376	372	321
65°	230	233	231	223	218	228
75°	110	110	102	90	87	116
85°	21	23	25	26	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	751.4	751.4	751.4	751.4	751.4
2.5°	752.4	751.4	748.7	752.4	752.4
5°	749.6	749.6	748.7	753.3	754.2
7.5°	744.1	745.9	746.8	752.4	753.3
10°	738.5	740.4	744.1	751.4	753.3
12.5°	729.3	733.0	739.5	749.6	751.4
15°	719.2	724.7	733.0	745.9	748.7
17.5°	707.2	714.6	725.7	740.4	745.0
20°	693.4	701.7	716.4	733.0	738.5
22.5°	678.7	687.9	705.4	724.7	730.3
25°	662.1	672.2	691.6	711.8	719.2
27.5°	643.7	654.7	675.9	697.1	703.6
30°	623.4	635.4	658.4	679.6	685.1
32.5°	603.2	615.1	639.1	659.4	665.8
35°	580.2	593.0	617.0	636.3	640.9
37.5°	555.3	568.2	592.1	611.5	613.3
40°	530.4	543.3	565.4	582.9	584.8
42.5°	504.6	516.6	536.9	551.6	553.5
45°	476.1	489.0	507.4	519.4	519.4
47.5°	447.5	460.4	476.1	484.4	484.4
50°	418.1	430.1	442.9	447.5	446.6
52.5°	388.6	399.7	410.7	411.6	409.8
55°	360.1	366.5	373.9	375.7	372.0
57.5°	328.8	334.3	338.9	336.1	333.4
60°	295.6	301.1	302.0	297.4	294.7
62.5°	263.4	268.0	268.0	260.6	256.0
65°	230.2	233.0	231.1	222.9	218.2
67.5°	198.9	200.8	197.1	188.8	181.4
70°	166.7	167.6	163.0	152.9	148.3
72.5°	137.2	138.1	132.6	120.6	115.1
75°	109.6	109.6	102.2	90.2	86.6
77.5°	82.0	84.7	76.4	70.0	70.0
80°	58.9	61.7	53.4	54.3	53.4
82.5°	38.7	41.4	38.7	38.7	38.7
85°	21.2	23.0	24.9	25.8	25.8
87.5°	6.4	11.1	12.0	12.9	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)