

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: P297574

Luminaire Tested: **D3X-WD-23L82765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297574
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-23L82765-LD5-UNV-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2062.0 lumens
Efficiency: N/A
Efficacy: 100.1 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

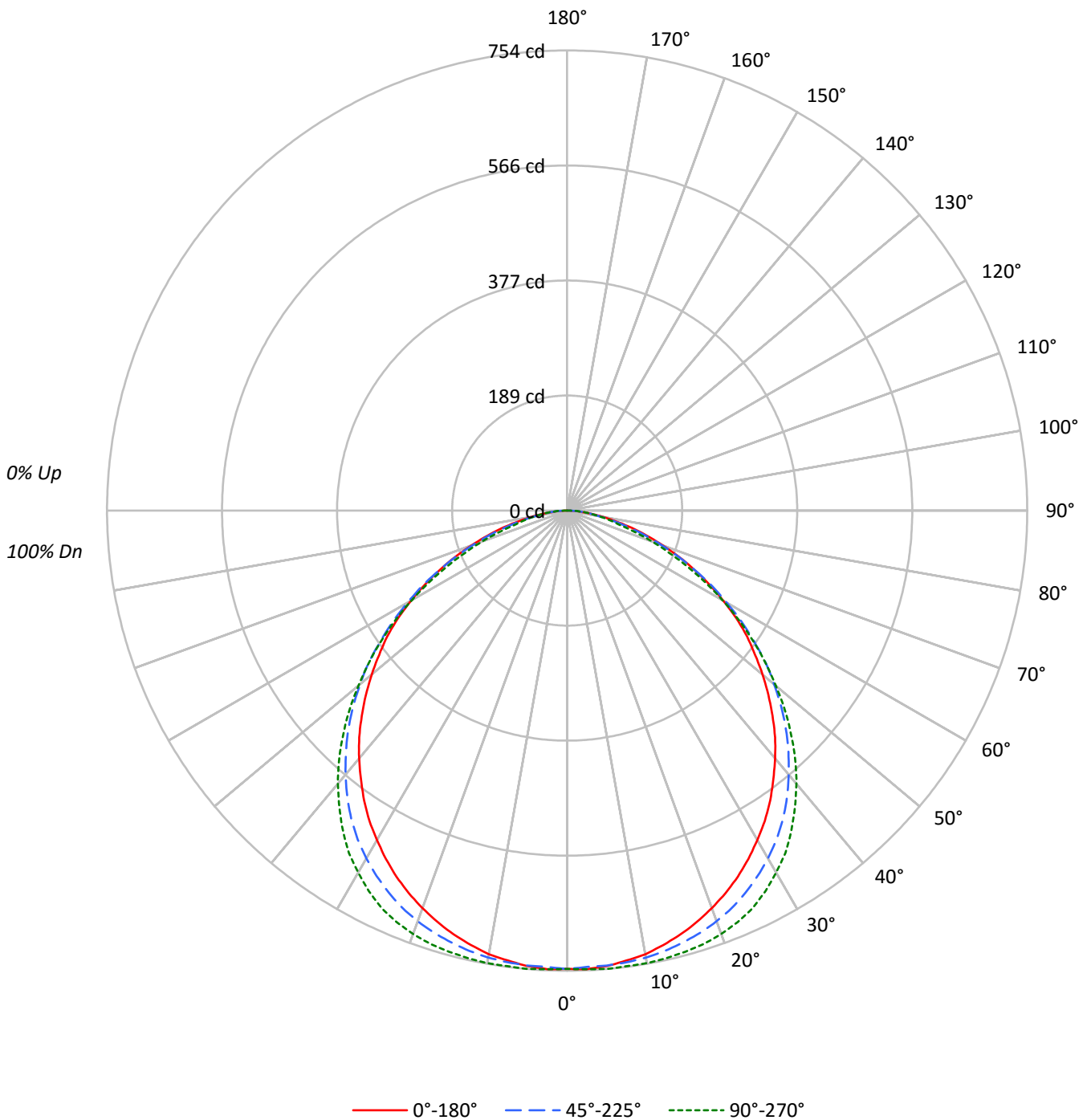
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2021	2021	2021
5°	2024	2021	2036
10°	2017	2032	2057
15°	2003	2041	2085
20°	1985	2051	2114
25°	1965	2052	2135
30°	1936	2045	2128
35°	1905	2026	2104
40°	1862	1985	2053
45°	1811	1930	1975
50°	1750	1853	1869
55°	1688	1753	1745
60°	1590	1625	1585
65°	1465	1471	1389
70°	1311	1282	1166
75°	1138	1063	899
80°	913	828	828
85°	655	769	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.5
10°-20°	207.3	10.1
20°-30°	318.3	15.4
30°-40°	383.4	18.6
40°-50°	387.4	18.8
50°-60°	330.5	16.0
60°-70°	226.2	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°	597.1	29.0
0°-40°	980.5	47.6
0°-60°	1698.5	82.4
0°-90°	2062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	749	749	748	753	754	71
15°	719	724	733	746	748	203
25°	662	672	691	712	719	305
35°	580	593	617	636	641	362
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	86	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°	751.1	751.1	751.1	751.1	751.1
2.5°	752.0	751.1	748.3	752.0	752.0
5°	749.2	749.2	748.3	752.9	753.8
7.5°	743.7	745.6	746.5	752.0	752.9
10°	738.2	740.0	743.7	751.1	752.9
12.5°	729.0	732.7	739.1	749.2	751.1
15°	718.9	724.4	732.7	745.6	748.3
17.5°	706.9	714.3	725.3	740.0	744.6
20°	693.1	701.4	716.1	732.7	738.2
22.5°	678.4	687.6	705.1	724.4	729.9
25°	661.8	671.9	691.2	711.5	718.9
27.5°	643.4	654.4	675.6	696.8	703.2
30°	623.1	635.1	658.1	679.3	684.8
32.5°	602.9	614.9	638.8	659.0	665.5
35°	579.9	592.8	616.7	636.0	640.6
37.5°	555.0	567.9	591.8	611.2	613.0
40°	530.2	543.1	565.1	582.6	584.5
42.5°	504.4	516.4	536.6	551.3	553.2
45°	475.9	488.8	507.2	519.1	519.1
47.5°	447.3	460.2	475.9	484.1	484.1
50°	417.9	429.8	442.7	447.3	446.4
52.5°	388.4	399.5	410.5	411.4	409.6
55°	359.9	366.3	373.7	375.5	371.9
57.5°	328.6	334.1	338.7	336.0	333.2
60°	295.5	301.0	301.9	297.3	294.5
62.5°	263.2	267.8	267.8	260.5	255.9
65°	230.1	232.9	231.0	222.7	218.1
67.5°	198.8	200.7	197.0	188.7	181.3
70°	166.6	167.5	162.9	152.8	148.2
72.5°	137.1	138.1	132.5	120.6	115.1
75°	109.5	109.5	102.2	90.2	86.5
77.5°	81.9	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	11.0	12.0	12.9	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)