

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: P297646

Luminaire Tested: **D3X-WD-23L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297646
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-23L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1923.0 lumens
Efficiency: N/A
Efficacy: 92.9 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

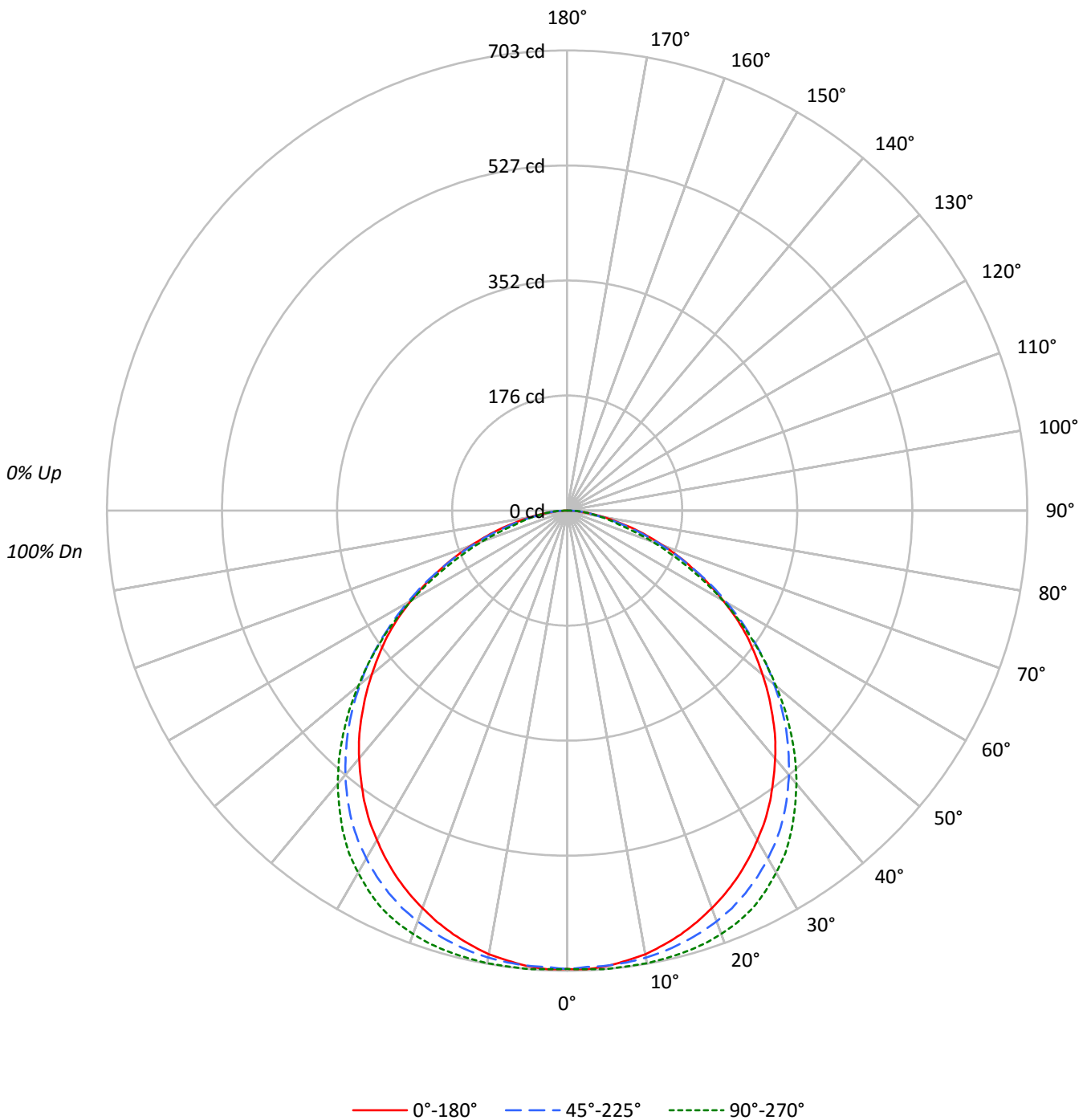
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1885	1885	1885
5°	1887	1885	1899
10°	1881	1895	1919
15°	1868	1904	1944
20°	1851	1912	1971
25°	1833	1914	1991
30°	1806	1907	1984
35°	1777	1889	1963
40°	1737	1852	1915
45°	1689	1800	1842
50°	1631	1729	1743
55°	1574	1635	1627
60°	1483	1516	1478
65°	1366	1372	1295
70°	1223	1195	1087
75°	1062	991	839
80°	851	772	772
85°	608	716	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	3.5
10°-20°	193.4	10.1
20°-30°	296.9	15.4
30°-40°	357.6	18.6
40°-50°	361.3	18.8
50°-60°	308.2	16.0
60°-70°	211.0	11.0
70°-80°	101.8	5.3
80°-90°	26.2	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°	556.9	29.0
0°-40°	914.4	47.6
0°-60°	1583.9	82.4
0°-90°	1923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	699	699	698	702	703	66
15°	670	676	683	695	698	189
25°	617	627	645	664	670	284
35°	541	553	575	593	597	338
45°	444	456	473	484	484	342
55°	336	342	348	350	347	299
65°	215	217	216	208	203	213
75°	102	102	95	84	81	108
85°	20	22	23	24	24	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.4	700.4	700.4	700.4	700.4
2.5°	701.3	700.4	697.9	701.3	701.3
5°	698.7	698.7	697.9	702.2	703.0
7.5°	693.6	695.3	696.2	701.3	702.2
10°	688.4	690.1	693.6	700.4	702.2
12.5°	679.8	683.3	689.3	698.7	700.4
15°	670.4	675.6	683.3	695.3	697.9
17.5°	659.2	666.1	676.4	690.1	694.4
20°	646.4	654.1	667.8	683.3	688.4
22.5°	632.6	641.2	657.5	675.6	680.7
25°	617.2	626.6	644.7	663.5	670.4
27.5°	600.0	610.3	630.1	649.8	655.8
30°	581.1	592.3	613.7	633.5	638.6
32.5°	562.2	573.4	595.7	614.6	620.6
35°	540.8	552.8	575.1	593.1	597.4
37.5°	517.6	529.6	551.9	570.0	571.7
40°	494.4	506.4	527.1	543.4	545.1
42.5°	470.4	481.6	500.4	514.2	515.9
45°	443.8	455.8	473.0	484.1	484.1
47.5°	417.2	429.2	443.8	451.5	451.5
50°	389.7	400.9	412.9	417.2	416.3
52.5°	362.2	372.5	382.8	383.7	382.0
55°	335.6	341.6	348.5	350.2	346.8
57.5°	306.4	311.6	315.9	313.3	310.7
60°	275.5	280.7	281.6	277.3	274.7
62.5°	245.5	249.8	249.8	242.9	238.6
65°	214.6	217.2	215.5	207.7	203.4
67.5°	185.4	187.1	183.7	176.0	169.1
70°	155.4	156.2	151.9	142.5	138.2
72.5°	127.9	128.8	123.6	112.4	107.3
75°	102.1	102.1	95.3	84.1	80.7
77.5°	76.4	79.0	71.2	65.2	65.2
80°	54.9	57.5	49.8	50.6	49.8
82.5°	36.1	38.6	36.1	36.1	36.1
85°	19.7	21.5	23.2	24.0	24.0
87.5°	6.0	10.3	11.2	12.0	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)