

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: P297924

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-23L92765-LD5-UNV-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

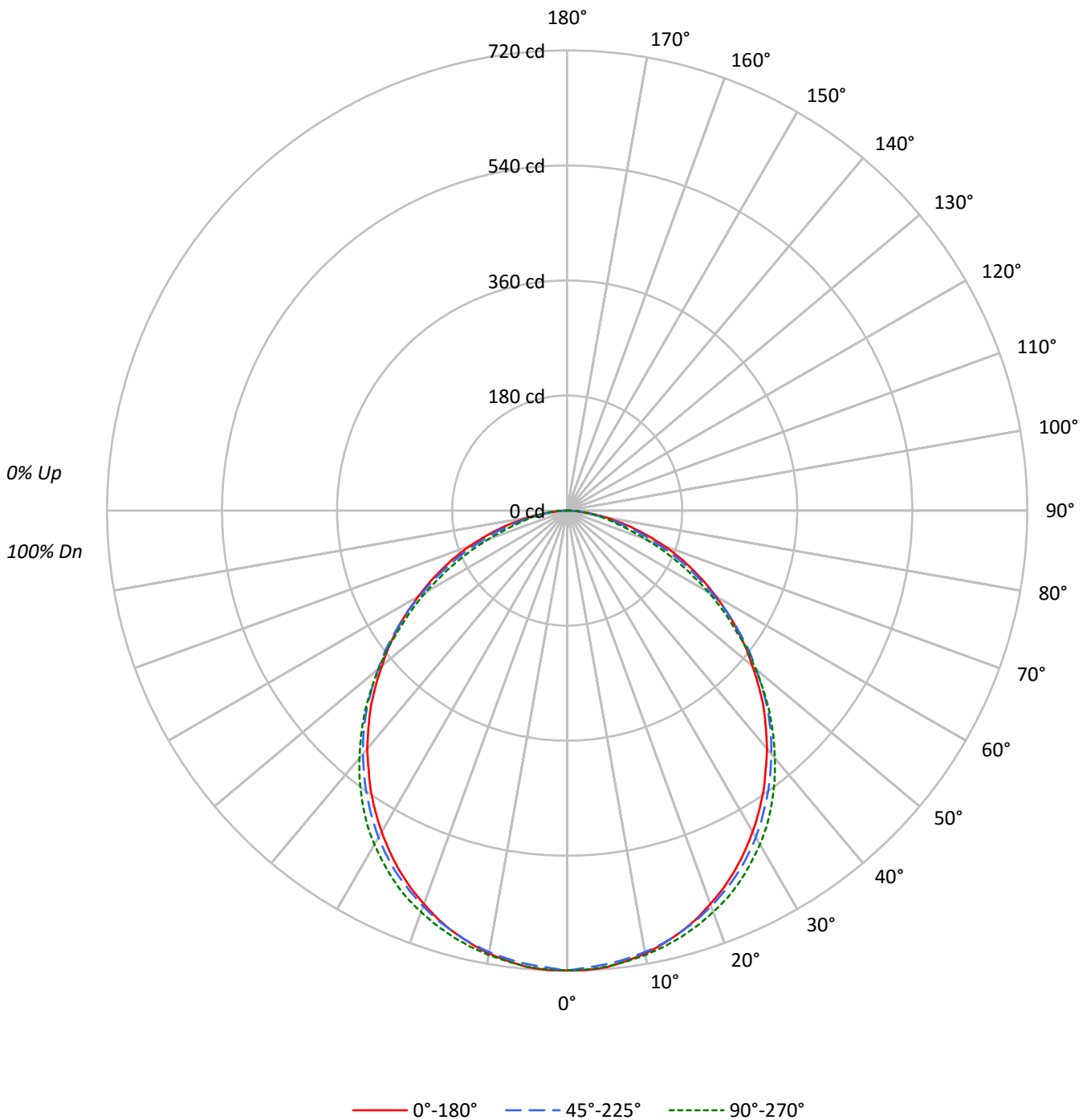
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1936	1936	1936
5°	1937	1924	1935
10°	1923	1917	1929
15°	1904	1904	1923
20°	1876	1887	1914
25°	1844	1866	1901
30°	1803	1835	1874
35°	1759	1793	1834
40°	1710	1746	1776
45°	1655	1691	1706
50°	1583	1616	1610
55°	1524	1535	1494
60°	1447	1426	1371
65°	1367	1312	1222
70°	1268	1163	1033
75°	1128	997	850
80°	938	817	792
85°	679	729	729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.7
10°-20°	193.4	10.4
20°-30°	289.9	15.6
30°-40°	341.5	18.4
40°-50°	340.6	18.4
50°-60°	289.8	15.6
60°-70°	202.2	10.9
70°-80°	102.8	5.5
80°-90°	26.8	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°	551.2	29.7
0°-40°	892.7	48.1
0°-60°	1523.1	82.1
0°-90°	1855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	717	716	712	716	716	68
15°	683	683	683	690	690	193
25°	621	622	628	638	640	286
35°	536	536	546	557	558	335
45°	435	436	444	447	448	335
55°	325	325	327	322	318	290
65°	215	212	206	195	192	213
75°	108	105	96	84	82	115
85°	22	23	24	24	24	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.5	719.5	719.5	719.5	719.5
2.5°	719.5	718.7	715.6	718.7	718.7
5°	717.1	715.6	712.4	716.3	716.3
7.5°	710.8	710.1	707.7	711.6	711.6
10°	703.8	703.0	701.4	706.1	706.1
12.5°	694.3	694.3	693.5	698.3	699.0
15°	683.3	683.3	683.3	689.6	690.4
17.5°	670.7	670.0	672.3	679.4	680.2
20°	655.0	655.8	658.9	666.8	668.4
22.5°	639.3	640.1	644.0	653.4	655.8
25°	621.2	622.0	628.3	637.7	640.1
27.5°	601.5	603.1	610.2	620.4	622.0
30°	580.3	581.9	590.5	600.8	603.1
32.5°	558.3	560.7	568.5	579.5	582.7
35°	535.5	536.3	545.7	556.7	558.3
37.5°	510.3	512.7	522.1	531.6	533.1
40°	486.7	488.3	497.0	504.8	505.6
42.5°	460.0	462.4	471.8	477.3	477.3
45°	434.8	436.4	444.3	447.4	448.2
47.5°	406.5	408.1	415.2	416.8	416.8
50°	378.2	382.2	386.1	386.1	384.5
52.5°	352.3	353.1	357.8	354.6	353.1
55°	324.8	324.8	327.1	322.4	318.5
57.5°	297.2	297.2	297.2	290.9	287.8
60°	268.9	268.1	265.0	257.1	254.8
62.5°	242.2	239.8	235.1	227.2	222.5
65°	214.7	211.5	206.0	195.0	191.9
67.5°	188.7	183.2	176.9	166.7	161.2
70°	161.2	156.5	147.8	136.0	131.3
72.5°	134.5	129.7	122.7	110.9	103.8
75°	108.5	104.6	95.9	84.1	81.8
77.5°	83.4	81.0	72.3	66.8	66.1
80°	60.5	59.8	52.7	51.1	51.1
82.5°	40.1	39.3	37.0	37.0	36.2
85°	22.0	22.8	23.6	23.6	23.6
87.5°	7.9	9.4	11.0	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)