

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: P297694

Luminaire Tested: **D3X-WG-26L83050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297694
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-26L83050-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2393.0 lumens
Efficiency: N/A
Efficacy: 101.0 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

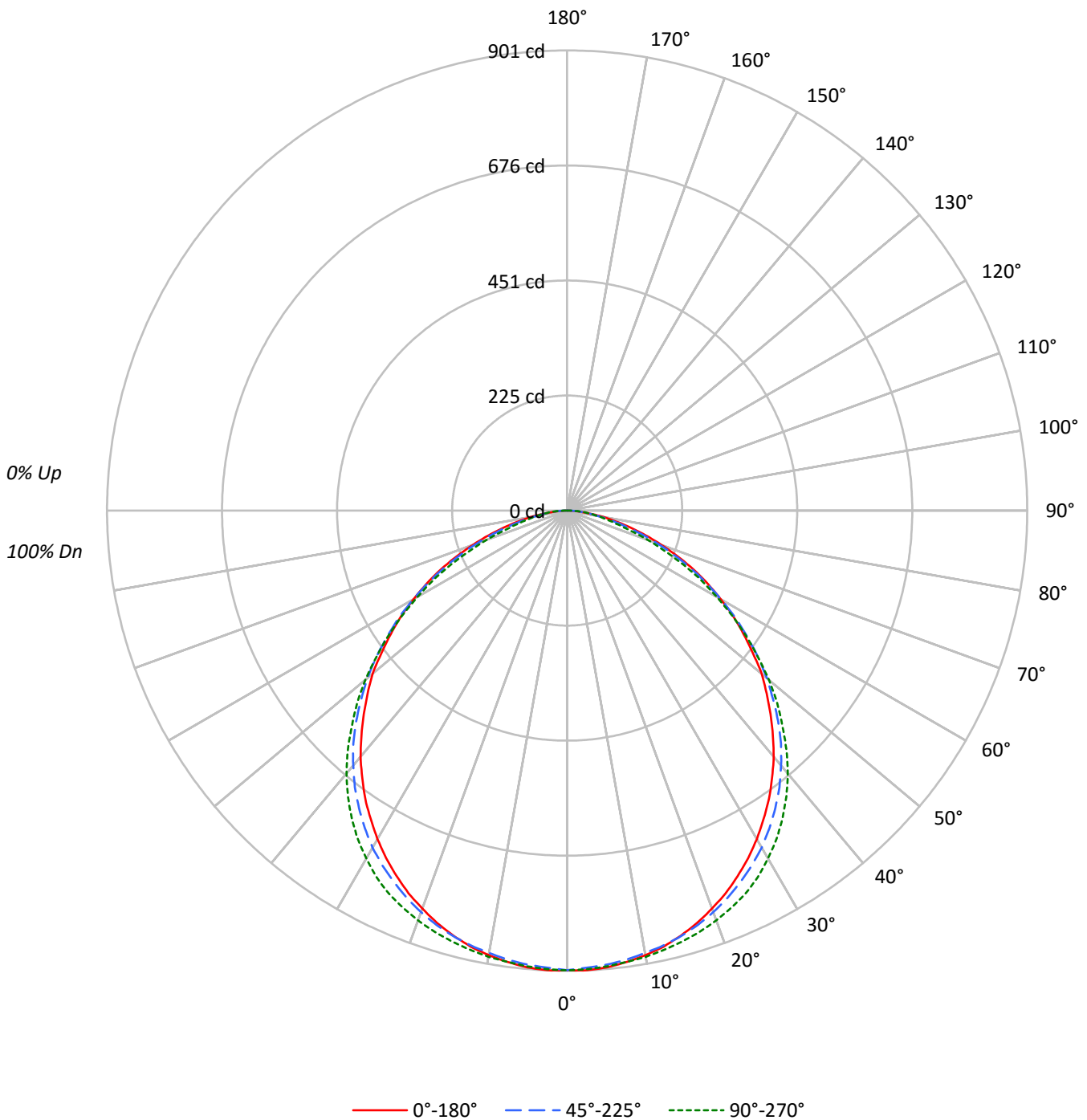
Input Watts (W): 23.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2422	2422	2422
5°	2425	2411	2420
10°	2415	2403	2424
15°	2400	2403	2433
20°	2375	2396	2445
25°	2345	2383	2456
30°	2308	2367	2444
35°	2264	2334	2415
40°	2210	2289	2361
45°	2142	2224	2269
50°	2083	2137	2159
55°	1978	2018	2008
60°	1872	1872	1820
65°	1738	1697	1601
70°	1541	1474	1330
75°	1335	1212	1024
80°	1094	945	928
85°	726	858	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	3.6
10°-20°	244.2	10.2
20°-30°	371.2	15.5
30°-40°	444.5	18.6
40°-50°	448.3	18.7
50°-60°	381.9	16.0
60°-70°	261.1	10.9
70°-80°	125.0	5.2
80°-90°	31.7	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°	700.6	29.3
0°-40°	1145.0	47.8
0°-60°	1975.2	82.5
0°-90°	2393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	898	897	892	897	896	85
15°	861	859	862	872	873	243
25°	790	791	803	821	827	364
35°	689	691	711	731	735	431
45°	563	567	584	596	596	435
55°	422	424	430	431	428	377
65°	273	268	266	257	252	269
75°	128	126	117	102	98	137
85°	24	26	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°	900.0	900.0	900.0	900.0	900.0
2.5°	901.0	900.0	895.7	900.0	898.9
5°	897.8	896.8	892.5	896.8	895.7
7.5°	891.4	890.3	887.1	891.4	891.4
10°	883.9	881.8	879.6	886.1	887.1
12.5°	874.3	872.1	872.1	879.6	880.7
15°	861.4	859.3	862.5	872.1	873.2
17.5°	846.5	845.4	850.7	862.5	864.6
20°	829.3	828.3	836.8	850.7	853.9
22.5°	811.1	811.1	820.8	836.8	841.1
25°	789.7	790.8	802.6	820.8	827.2
27.5°	767.3	769.4	783.3	803.7	809.0
30°	742.7	745.9	761.9	781.2	786.5
32.5°	715.9	719.1	737.3	757.6	763.0
35°	689.2	691.3	710.6	730.9	735.2
37.5°	659.2	662.4	682.7	700.9	705.2
40°	629.2	632.4	651.7	668.8	672.0
42.5°	596.1	600.3	619.6	633.5	635.6
45°	562.9	567.2	584.3	596.1	596.1
47.5°	529.7	531.8	546.8	558.6	557.5
50°	497.6	496.5	510.4	515.8	515.8
52.5°	458.0	461.2	470.8	474.1	470.8
55°	421.6	423.8	430.2	431.3	428.0
57.5°	386.3	385.2	390.6	387.4	383.1
60°	347.8	347.8	347.8	344.6	338.2
62.5°	310.3	308.2	307.1	299.6	296.4
65°	272.9	267.5	266.5	256.8	251.5
67.5°	233.3	231.1	225.8	216.2	206.5
70°	195.8	193.7	187.3	175.5	169.1
72.5°	161.6	159.4	150.9	137.0	128.4
75°	128.4	126.3	116.6	101.7	98.5
77.5°	97.4	96.3	86.7	79.2	78.1
80°	70.6	69.6	61.0	61.0	59.9
82.5°	44.9	44.9	42.8	43.9	44.9
85°	23.5	25.7	27.8	28.9	30.0
87.5°	7.5	11.8	13.9	15.0	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)