

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: P297834

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297834
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-26L83050-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.0 lumens
Efficiency: N/A
Efficacy: 106.5 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

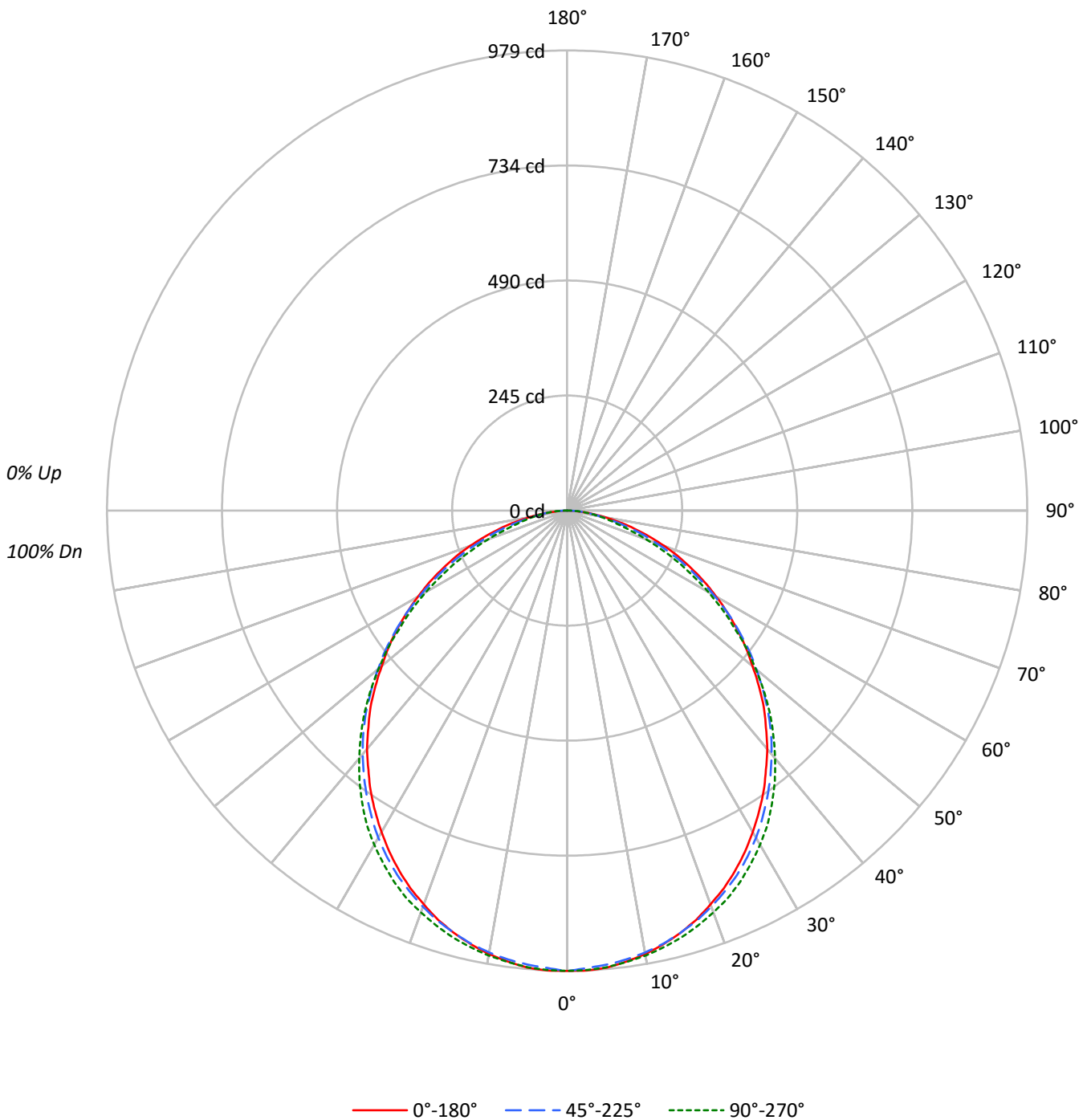
Input Watts (W): 23.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2636	2636	2636
5°	2637	2619	2634
10°	2618	2609	2626
15°	2591	2591	2618
20°	2553	2568	2605
25°	2511	2539	2587
30°	2454	2498	2551
35°	2394	2440	2496
40°	2327	2376	2418
45°	2253	2301	2322
50°	2155	2200	2191
55°	2074	2089	2034
60°	1970	1941	1866
65°	1861	1785	1663
70°	1726	1583	1406
75°	1536	1358	1157
80°	1277	1111	1079
85°	926	991	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.7
10°-20°	263.3	10.4
20°-30°	394.6	15.6
30°-40°	464.9	18.4
40°-50°	463.7	18.4
50°-60°	394.4	15.6
60°-70°	275.3	10.9
70°-80°	139.9	5.5
80°-90°	36.5	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°	750.3	29.7
0°-40°	1215.2	48.1
0°-60°	2073.3	82.1
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	976	974	970	975	975	93
15°	930	930	930	939	940	262
25°	846	847	855	868	871	389
35°	729	730	743	758	760	455
45°	592	594	605	609	610	455
55°	442	442	445	439	434	395
65°	292	288	280	265	261	290
75°	148	142	131	114	111	157
85°	30	31	32	32	32	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.4	979.4	979.4	979.4	979.4
2.5°	979.4	978.3	974.0	978.3	978.3
5°	976.1	974.0	969.7	975.1	975.1
7.5°	967.6	966.5	963.3	968.7	968.7
10°	958.0	956.9	954.7	961.2	961.2
12.5°	945.1	945.1	944.0	950.5	951.5
15°	930.1	930.1	930.1	938.7	939.8
17.5°	913.0	911.9	915.1	924.8	925.8
20°	891.6	892.7	896.9	907.6	909.8
22.5°	870.2	871.3	876.6	889.5	892.7
25°	845.6	846.6	855.2	868.0	871.3
27.5°	818.8	820.9	830.6	844.5	846.6
30°	789.9	792.1	803.8	817.7	820.9
32.5°	759.9	763.2	773.9	788.8	793.1
35°	728.9	730.0	742.8	757.8	759.9
37.5°	694.6	697.9	710.7	723.5	725.7
40°	662.5	664.7	676.5	687.2	688.2
42.5°	626.1	629.4	642.2	649.7	649.7
45°	591.9	594.0	604.7	609.0	610.1
47.5°	553.4	555.5	565.1	567.3	567.3
50°	514.8	520.2	525.5	525.5	523.4
52.5°	479.5	480.6	487.0	482.7	480.6
55°	442.0	442.0	445.3	438.8	433.5
57.5°	404.6	404.6	404.6	396.0	391.7
60°	366.1	365.0	360.7	350.0	346.8
62.5°	329.7	326.5	320.0	309.3	302.9
65°	292.2	287.9	280.4	265.4	261.2
67.5°	256.9	249.4	240.8	226.9	219.4
70°	219.4	213.0	201.2	185.2	178.7
72.5°	183.0	176.6	167.0	150.9	141.3
75°	147.7	142.4	130.6	114.5	111.3
77.5°	113.5	110.2	98.5	91.0	89.9
80°	82.4	81.3	71.7	69.6	69.6
82.5°	54.6	53.5	50.3	50.3	49.2
85°	30.0	31.0	32.1	32.1	32.1
87.5°	10.7	12.8	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)