

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: P297907

Luminaire Tested: **D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297907
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-26L93050-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2496.0 lumens
Efficiency: N/A
Efficacy: 100.6 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

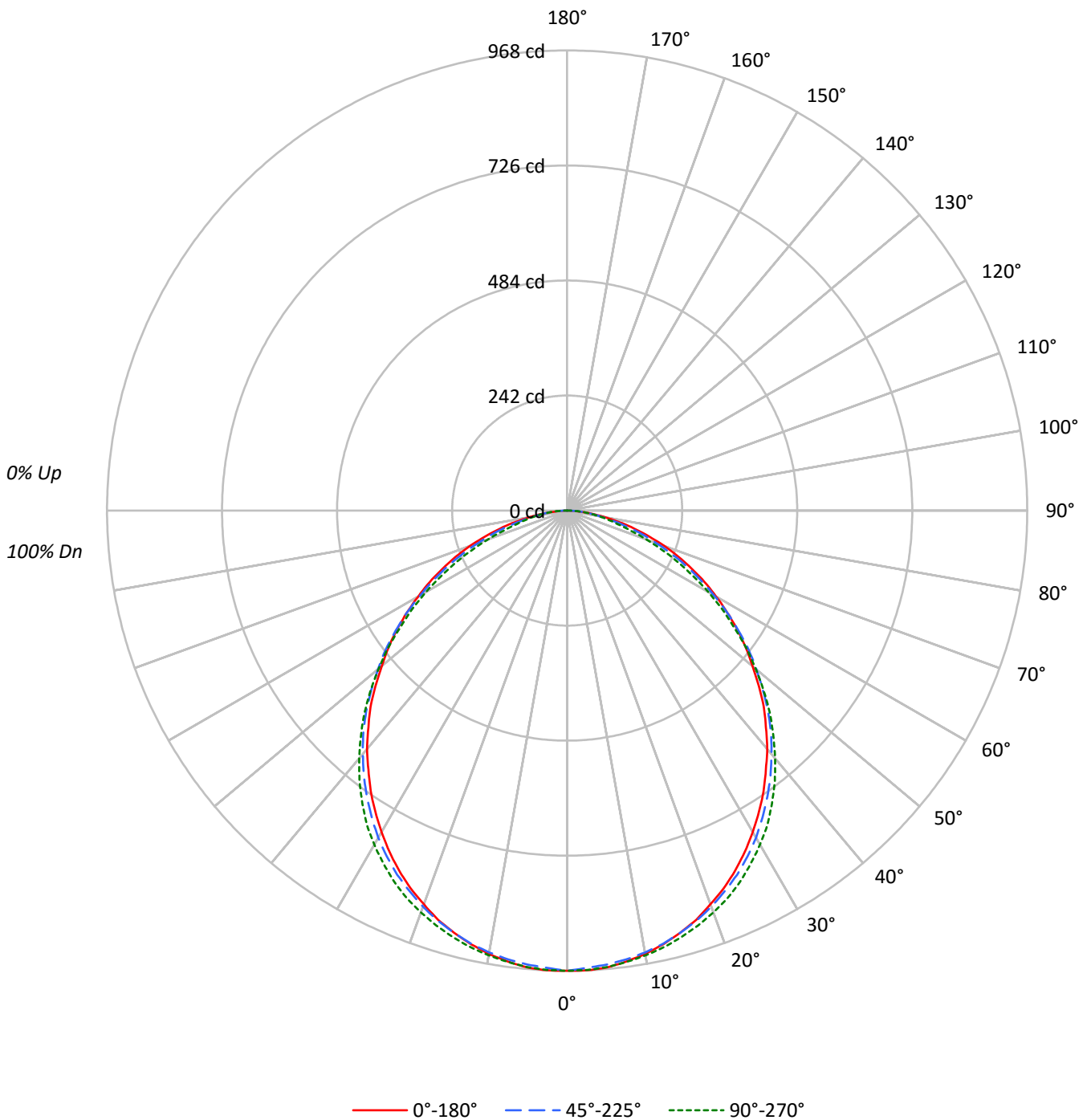
Input Watts (W): 24.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	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°	2605	2605	2605
5°	2606	2589	2604
10°	2588	2579	2596
15°	2561	2561	2588
20°	2524	2539	2575
25°	2482	2510	2557
30°	2426	2469	2522
35°	2367	2412	2468
40°	2301	2349	2390
45°	2227	2275	2295
50°	2130	2175	2166
55°	2050	2065	2010
60°	1948	1919	1845
65°	1839	1765	1644
70°	1707	1565	1390
75°	1518	1342	1144
80°	1263	1099	1066
85°	914	979	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	3.7
10°-20°	260.3	10.4
20°-30°	390.1	15.6
30°-40°	459.6	18.4
40°-50°	458.3	18.4
50°-60°	389.9	15.6
60°-70°	272.1	10.9
70°-80°	138.3	5.5
80°-90°	36.1	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°	741.7	29.7
0°-40°	1201.2	48.1
0°-60°	2049.4	82.1
0°-90°	2496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	965	963	959	964	964	91
15°	919	919	919	928	929	259
25°	836	837	845	858	861	385
35°	720	722	734	749	751	450
45°	585	587	598	602	603	450
55°	437	437	440	434	428	390
65°	289	285	277	262	258	286
75°	146	141	129	113	110	155
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°	968.1	968.1	968.1	968.1	968.1
2.5°	968.1	967.1	962.8	967.1	967.1
5°	964.9	962.8	958.6	963.9	963.9
7.5°	956.5	955.4	952.2	957.5	957.5
10°	947.0	945.9	943.8	950.1	950.1
12.5°	934.3	934.3	933.2	939.5	940.6
15°	919.4	919.4	919.4	927.9	929.0
17.5°	902.5	901.5	904.6	914.2	915.2
20°	881.4	882.4	886.6	897.2	899.3
22.5°	860.2	861.2	866.5	879.2	882.4
25°	835.9	836.9	845.4	858.1	861.2
27.5°	809.4	811.5	821.0	834.8	836.9
30°	780.8	783.0	794.6	808.3	811.5
32.5°	751.2	754.4	765.0	779.8	784.0
35°	720.5	721.6	734.3	749.1	751.2
37.5°	686.7	689.8	702.5	715.2	717.4
40°	654.9	657.0	668.7	679.3	680.3
42.5°	619.0	622.1	634.8	642.2	642.2
45°	585.1	587.2	597.8	602.0	603.1
47.5°	547.0	549.1	558.6	560.8	560.8
50°	508.9	514.2	519.5	519.5	517.4
52.5°	474.0	475.1	481.4	477.2	475.1
55°	437.0	437.0	440.1	433.8	428.5
57.5°	399.9	399.9	399.9	391.5	387.2
60°	361.9	360.8	356.6	346.0	342.8
62.5°	325.9	322.7	316.4	305.8	299.4
65°	288.8	284.6	277.2	262.4	258.2
67.5°	253.9	246.5	238.1	224.3	216.9
70°	216.9	210.6	198.9	183.0	176.7
72.5°	180.9	174.6	165.1	149.2	139.7
75°	146.0	140.7	129.1	113.2	110.0
77.5°	112.2	109.0	97.3	89.9	88.9
80°	81.5	80.4	70.9	68.8	68.8
82.5°	54.0	52.9	49.7	49.7	48.7
85°	29.6	30.7	31.7	31.7	31.7
87.5°	10.6	12.7	14.8	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)