

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: P297906

Luminaire Tested: **D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297906
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-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2453.0 lumens
Efficiency: N/A
Efficacy: 100.1 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

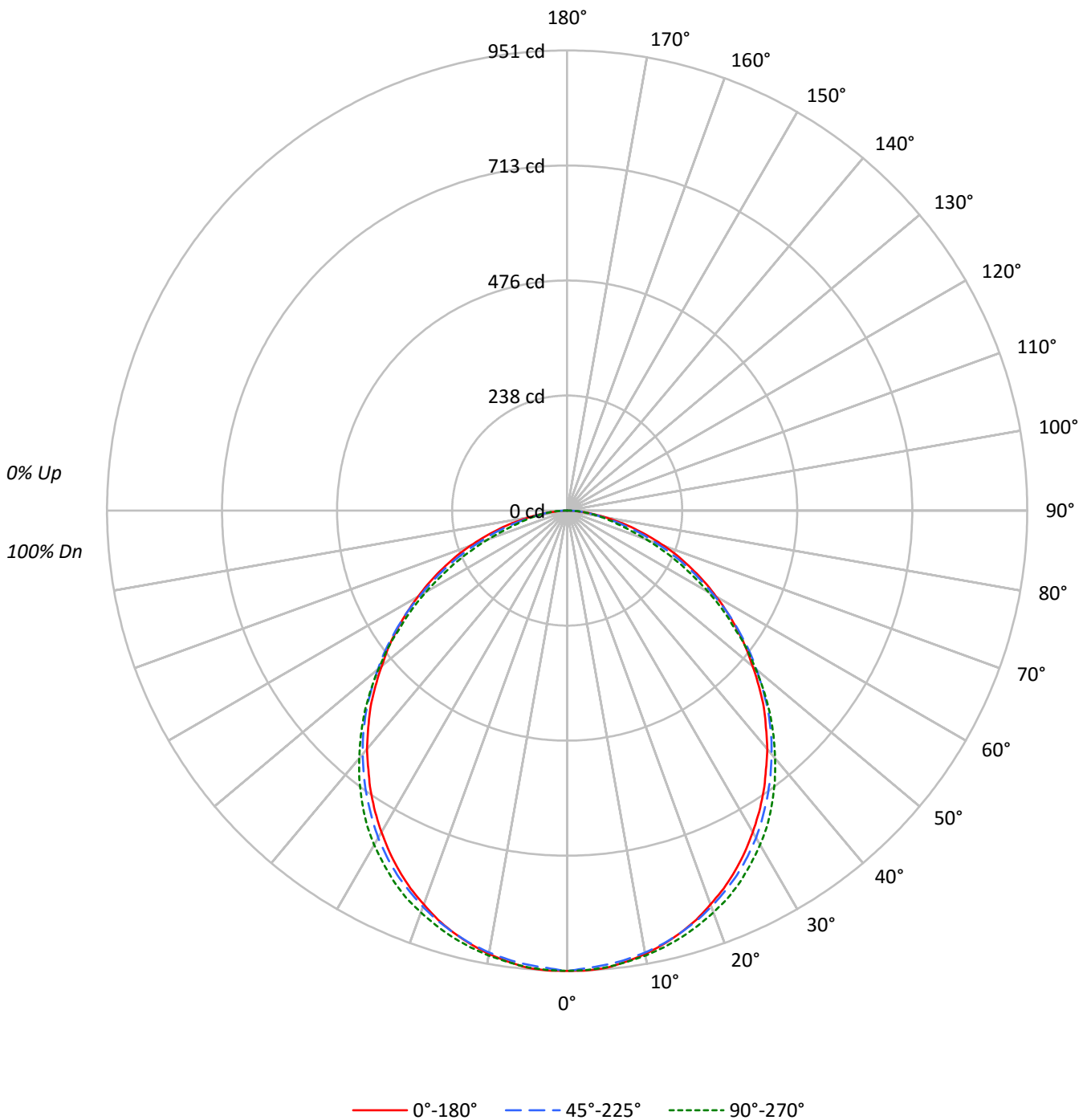
Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297906

CATALOG NUMBER: D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297906

CATALOG NUMBER: D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4000K

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°	2560	2560	2560
5°	2562	2545	2559
10°	2543	2534	2552
15°	2517	2517	2544
20°	2481	2495	2531
25°	2439	2467	2513
30°	2385	2426	2478
35°	2326	2371	2425
40°	2261	2309	2349
45°	2188	2236	2256
50°	2094	2138	2129
55°	2015	2030	1976
60°	1914	1886	1813
65°	1808	1734	1615
70°	1677	1538	1366
75°	1492	1319	1124
80°	1241	1080	1048
85°	898	963	963



TEST NUMBER: P297906

CATALOG NUMBER: D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.7
10°-20°	255.8	10.4
20°-30°	383.3	15.6
30°-40°	451.6	18.4
40°-50°	450.5	18.4
50°-60°	383.2	15.6
60°-70°	267.4	10.9
70°-80°	135.9	5.5
80°-90°	35.5	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°	728.9	29.7
0°-40°	1180.5	48.1
0°-60°	2014.2	82.1
0°-90°	2453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	948	946	942	947	947	90
15°	904	904	904	912	913	255
25°	822	822	831	843	846	378
35°	708	709	722	736	738	442
45°	575	577	588	592	593	442
55°	429	429	433	426	421	384
65°	284	280	272	258	254	282
75°	144	138	127	111	108	152
85°	29	30	31	31	31	36
90°	0	0	0	0	0	



TEST NUMBER: P297906

CATALOG NUMBER: D3X-WO-26L93050-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.4	951.4	951.4	951.4	951.4
2.5°	951.4	950.4	946.2	950.4	950.4
5°	948.3	946.2	942.1	947.3	947.3
7.5°	940.0	939.0	935.8	941.0	941.0
10°	930.6	929.6	927.5	933.8	933.8
12.5°	918.2	918.2	917.1	923.4	924.4
15°	903.6	903.6	903.6	911.9	913.0
17.5°	887.0	885.9	889.0	898.4	899.4
20°	866.2	867.2	871.4	881.8	883.8
22.5°	845.4	846.4	851.6	864.1	867.2
25°	821.5	822.5	830.8	843.3	846.4
27.5°	795.5	797.5	806.9	820.4	822.5
30°	767.4	769.5	780.9	794.4	797.5
32.5°	738.3	741.4	751.8	766.3	770.5
35°	708.1	709.2	721.6	736.2	738.3
37.5°	674.8	678.0	690.4	702.9	705.0
40°	643.6	645.7	657.2	667.6	668.6
42.5°	608.3	611.4	623.9	631.2	631.2
45°	575.0	577.1	587.5	591.7	592.7
47.5°	537.6	539.7	549.0	551.1	551.1
50°	500.2	505.4	510.6	510.6	508.5
52.5°	465.8	466.9	473.1	469.0	466.9
55°	429.4	429.4	432.6	426.3	421.1
57.5°	393.1	393.1	393.1	384.7	380.6
60°	355.6	354.6	350.4	340.0	336.9
62.5°	320.3	317.1	310.9	300.5	294.3
65°	283.9	279.7	272.4	257.9	253.7
67.5°	249.6	242.3	234.0	220.4	213.2
70°	213.2	206.9	195.5	179.9	173.6
72.5°	177.8	171.6	162.2	146.6	137.3
75°	143.5	138.3	126.9	111.3	108.1
77.5°	110.2	107.1	95.7	88.4	87.3
80°	80.1	79.0	69.7	67.6	67.6
82.5°	53.0	52.0	48.9	48.9	47.8
85°	29.1	30.2	31.2	31.2	31.2
87.5°	10.4	12.5	14.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)