

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: P297939

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297939
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-26L92765-LD5-UNV-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2508.0 lumens
Efficiency: N/A
Efficacy: 102.4 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

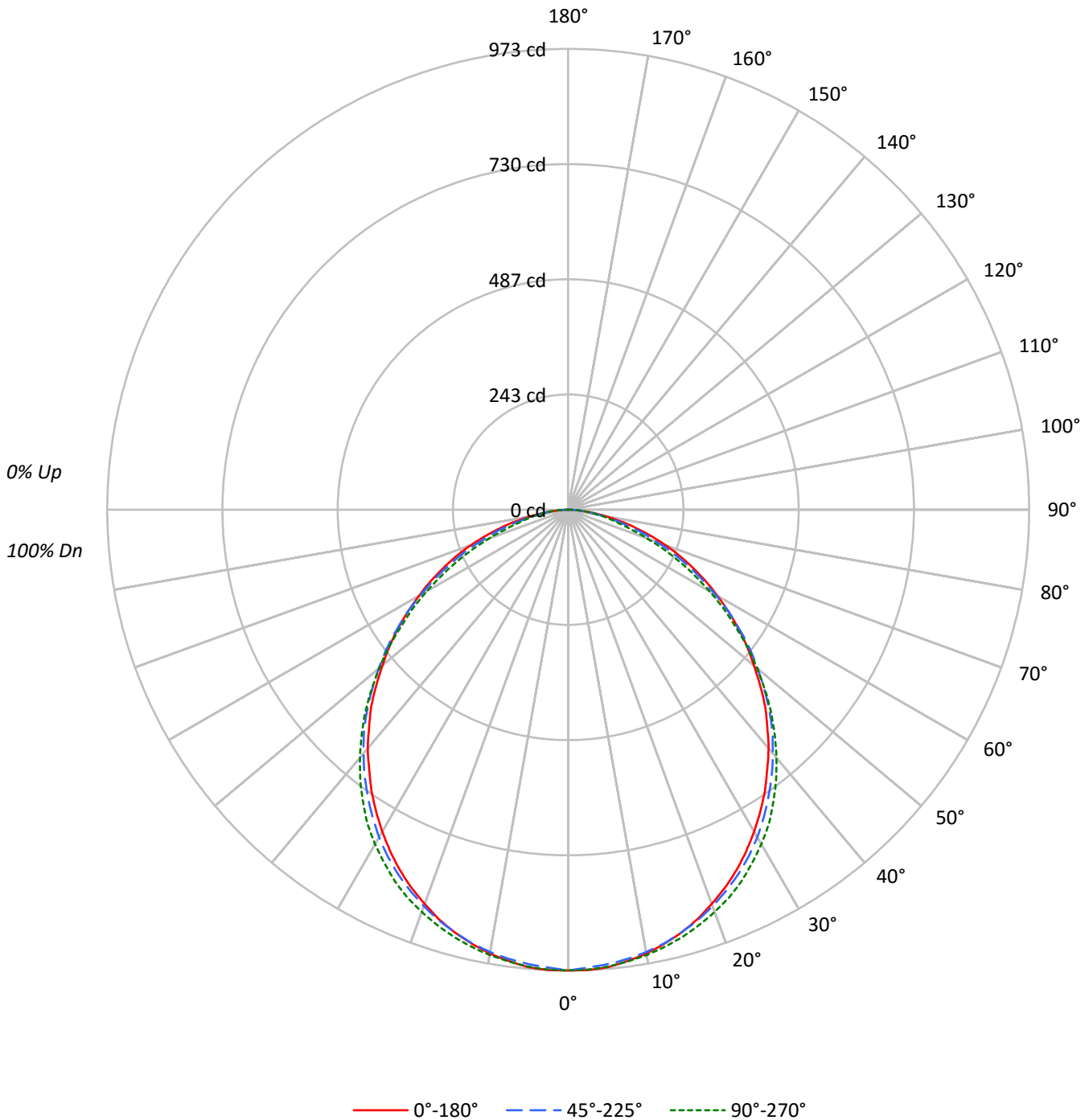
Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2618	2618	2618
5°	2619	2602	2616
10°	2600	2591	2609
15°	2574	2574	2600
20°	2536	2551	2588
25°	2494	2522	2570
30°	2438	2481	2534
35°	2378	2424	2480
40°	2312	2360	2401
45°	2237	2286	2306
50°	2141	2185	2177
55°	2060	2075	2020
60°	1957	1928	1854
65°	1848	1773	1652
70°	1714	1573	1397
75°	1525	1349	1150
80°	1269	1103	1071
85°	920	985	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	3.7
10°-20°	261.5	10.4
20°-30°	391.9	15.6
30°-40°	461.8	18.4
40°-50°	460.6	18.4
50°-60°	391.8	15.6
60°-70°	273.4	10.9
70°-80°	139.0	5.5
80°-90°	36.3	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°	745.2	29.7
0°-40°	1207.0	48.1
0°-60°	2059.3	82.1
0°-90°	2508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	970	968	963	968	968	92
15°	924	924	924	932	933	260
25°	840	841	849	862	865	387
35°	724	725	738	753	755	452
45°	588	590	601	605	606	452
55°	439	439	442	436	431	392
65°	290	286	278	264	259	288
75°	147	141	130	114	111	156
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°	972.8	972.8	972.8	972.8	972.8
2.5°	972.8	971.7	967.5	971.7	971.7
5°	969.6	967.5	963.2	968.5	968.5
7.5°	961.1	960.0	956.8	962.1	962.1
10°	951.5	950.4	948.3	954.7	954.7
12.5°	938.7	938.7	937.7	944.1	945.1
15°	923.9	923.9	923.9	932.4	933.4
17.5°	906.9	905.8	909.0	918.5	919.6
20°	885.6	886.7	890.9	901.5	903.7
22.5°	864.3	865.4	870.7	883.5	886.7
25°	839.9	840.9	849.4	862.2	865.4
27.5°	813.3	815.4	825.0	838.8	840.9
30°	784.6	786.7	798.4	812.2	815.4
32.5°	754.8	758.0	768.6	783.5	787.8
35°	724.0	725.1	737.8	752.7	754.8
37.5°	690.0	693.2	705.9	718.7	720.8
40°	658.1	660.2	671.9	682.5	683.6
42.5°	621.9	625.1	637.9	645.3	645.3
45°	587.9	590.0	600.7	604.9	606.0
47.5°	549.6	551.8	561.3	563.5	563.5
50°	511.4	516.7	522.0	522.0	519.9
52.5°	476.3	477.3	483.7	479.5	477.3
55°	439.1	439.1	442.3	435.9	430.6
57.5°	401.9	401.9	401.9	393.4	389.1
60°	363.6	362.5	358.3	347.6	344.5
62.5°	327.4	324.3	317.9	307.2	300.9
65°	290.2	286.0	278.5	263.7	259.4
67.5°	255.2	247.7	239.2	225.4	217.9
70°	217.9	211.6	199.9	183.9	177.5
72.5°	181.8	175.4	165.8	149.9	140.3
75°	146.7	141.4	129.7	113.8	110.6
77.5°	112.7	109.5	97.8	90.4	89.3
80°	81.9	80.8	71.2	69.1	69.1
82.5°	54.2	53.2	50.0	50.0	48.9
85°	29.8	30.8	31.9	31.9	31.9
87.5°	10.6	12.8	14.9	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)