

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: P297865

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297865
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-26L82765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2610.0 lumens
Efficiency: N/A
Efficacy: 109.2 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

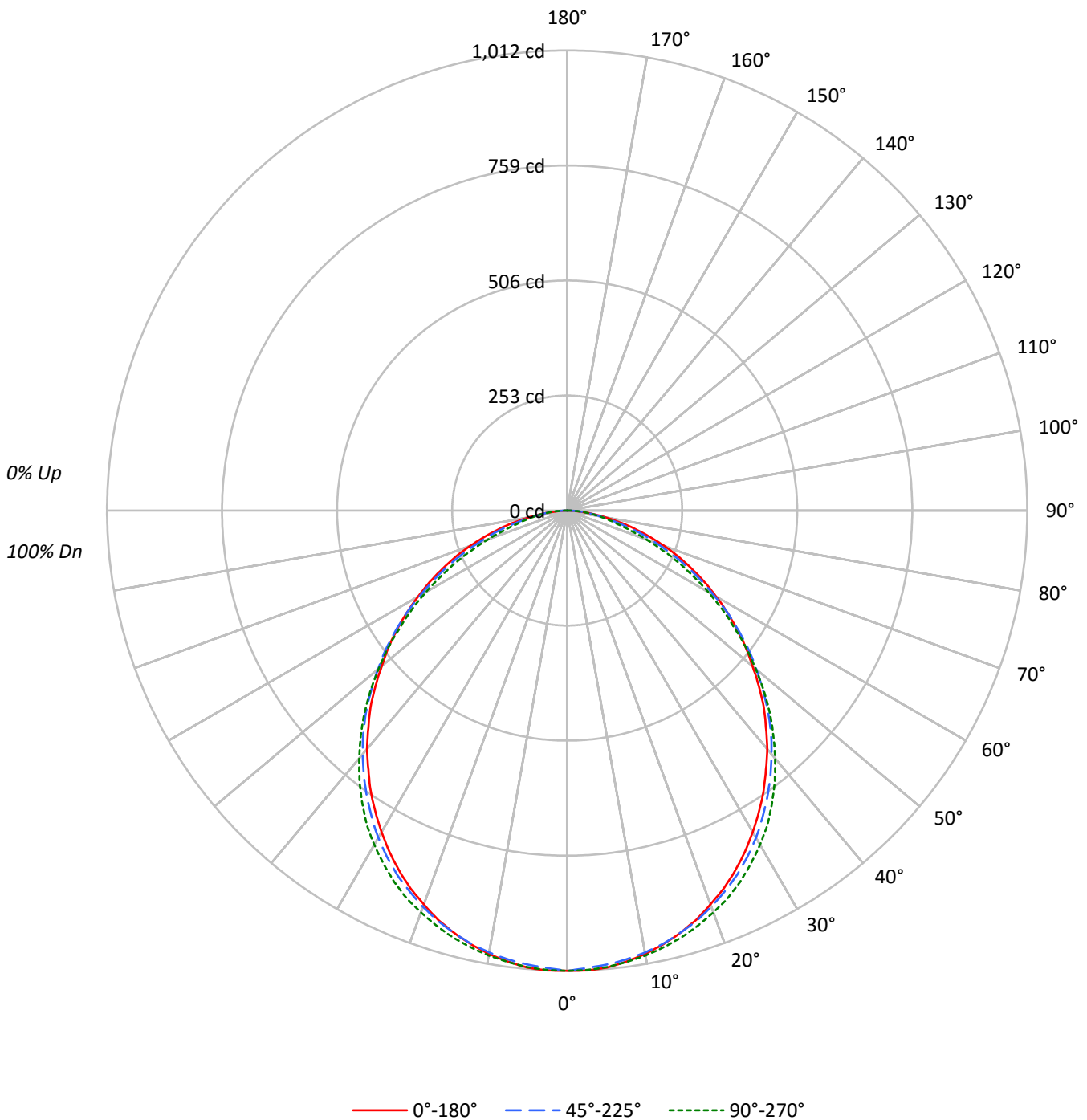
Input Watts (W): 23.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2724	2724	2724
5°	2726	2708	2723
10°	2706	2697	2715
15°	2678	2678	2706
20°	2639	2655	2693
25°	2595	2625	2674
30°	2537	2582	2637
35°	2475	2522	2580
40°	2406	2456	2499
45°	2328	2379	2400
50°	2228	2274	2265
55°	2144	2159	2102
60°	2037	2006	1929
65°	1923	1846	1719
70°	1784	1637	1454
75°	1588	1404	1197
80°	1320	1148	1114
85°	957	1025	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	3.7
10°-20°	272.1	10.4
20°-30°	407.9	15.6
30°-40°	480.5	18.4
40°-50°	479.3	18.4
50°-60°	407.7	15.6
60°-70°	284.5	10.9
70°-80°	144.6	5.5
80°-90°	37.8	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°	775.5	29.7
0°-40°	1256.1	48.1
0°-60°	2143.1	82.1
0°-90°	2610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1009	1007	1002	1008	1008	96
15°	961	961	961	970	971	271
25°	874	875	884	897	901	402
35°	753	754	768	783	786	471
45°	612	614	625	630	631	471
55°	457	457	460	454	448	408
65°	302	298	290	274	270	300
75°	153	147	135	118	115	162
85°	31	32	33	33	33	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.3	1012.3	1012.3	1012.3	1012.3
2.5°	1012.3	1011.2	1006.8	1011.2	1011.2
5°	1009.0	1006.8	1002.4	1007.9	1007.9
7.5°	1000.2	999.1	995.7	1001.3	1001.3
10°	990.2	989.1	986.9	993.5	993.5
12.5°	976.9	976.9	975.8	982.5	983.6
15°	961.4	961.4	961.4	970.3	971.4
17.5°	943.7	942.6	945.9	955.9	957.0
20°	921.6	922.7	927.1	938.2	940.4
22.5°	899.5	900.6	906.1	919.4	922.7
25°	874.0	875.1	884.0	897.3	900.6
27.5°	846.4	848.6	858.5	872.9	875.1
30°	816.5	818.7	830.9	845.3	848.6
32.5°	785.5	788.8	799.9	815.4	819.8
35°	753.4	754.5	767.8	783.3	785.5
37.5°	718.0	721.4	734.6	747.9	750.1
40°	684.8	687.1	699.2	710.3	711.4
42.5°	647.2	650.5	663.8	671.6	671.6
45°	611.8	614.0	625.1	629.5	630.6
47.5°	572.0	574.2	584.2	586.4	586.4
50°	532.2	537.7	543.2	543.2	541.0
52.5°	495.7	496.8	503.4	499.0	496.8
55°	456.9	456.9	460.2	453.6	448.1
57.5°	418.2	418.2	418.2	409.4	404.9
60°	378.4	377.3	372.8	361.8	358.5
62.5°	340.8	337.4	330.8	319.7	313.1
65°	302.0	297.6	289.9	274.4	270.0
67.5°	265.5	257.8	248.9	234.6	226.8
70°	226.8	220.2	208.0	191.4	184.8
72.5°	189.2	182.6	172.6	156.0	146.0
75°	152.7	147.1	135.0	118.4	115.1
77.5°	117.3	114.0	101.8	94.0	92.9
80°	85.2	84.1	74.1	71.9	71.9
82.5°	56.4	55.3	52.0	52.0	50.9
85°	31.0	32.1	33.2	33.2	33.2
87.5°	11.1	13.3	15.5	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)