

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: P297587

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-26L82765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2577.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

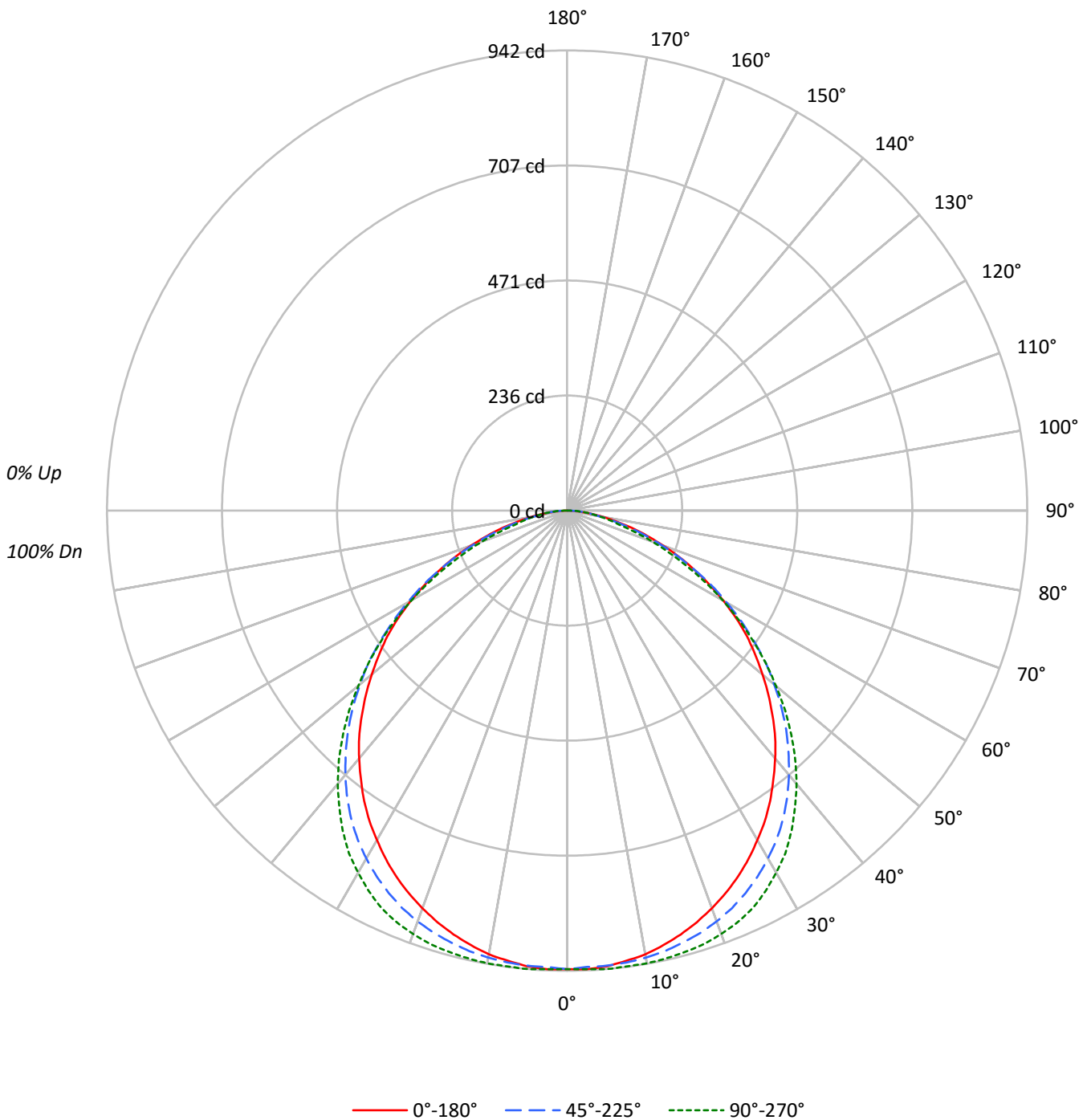
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	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	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2526	2526	2526
5°	2529	2526	2545
10°	2521	2540	2571
15°	2503	2551	2605
20°	2481	2563	2642
25°	2456	2565	2667
30°	2420	2556	2659
35°	2381	2532	2630
40°	2328	2481	2566
45°	2263	2412	2469
50°	2186	2316	2336
55°	2110	2191	2180
60°	1988	2031	1981
65°	1831	1838	1736
70°	1638	1602	1457
75°	1423	1328	1124
80°	1141	1034	1034
85°	818	960	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.5
10°-20°	259.1	10.1
20°-30°	397.8	15.4
30°-40°	479.2	18.6
40°-50°	484.2	18.8
50°-60°	413.0	16.0
60°-70°	282.7	11.0
70°-80°	136.4	5.3
80°-90°	35.2	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°	746.3	29.0
0°-40°	1225.4	47.6
0°-60°	2122.7	82.4
0°-90°	2577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	936	936	935	941	942	89
15°	898	905	916	932	935	253
25°	827	840	864	889	898	381
35°	725	741	771	795	801	453
45°	595	611	634	649	649	459
55°	450	458	467	469	465	401
65°	288	291	289	278	273	285
75°	137	137	128	113	108	145
85°	26	29	31	32	32	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.7	938.7	938.7	938.7	938.7
2.5°	939.8	938.7	935.2	939.8	939.8
5°	936.4	936.4	935.2	941.0	942.1
7.5°	929.5	931.8	932.9	939.8	941.0
10°	922.6	924.9	929.5	938.7	941.0
12.5°	911.1	915.7	923.7	936.4	938.7
15°	898.4	905.3	915.7	931.8	935.2
17.5°	883.4	892.6	906.5	924.9	930.6
20°	866.2	876.5	895.0	915.7	922.6
22.5°	847.8	859.3	881.1	905.3	912.2
25°	827.1	839.7	863.9	889.2	898.4
27.5°	804.1	817.9	844.3	870.8	878.8
30°	778.8	793.7	822.5	848.9	855.8
32.5°	753.5	768.4	798.3	823.6	831.7
35°	724.7	740.8	770.7	794.9	800.6
37.5°	693.6	709.7	739.7	763.8	766.1
40°	662.6	678.7	706.3	728.2	730.5
42.5°	630.4	645.3	670.6	689.0	691.3
45°	594.7	610.8	633.8	648.8	648.8
47.5°	559.1	575.2	594.7	605.1	605.1
50°	522.2	537.2	553.3	559.1	557.9
52.5°	485.4	499.2	513.0	514.2	511.9
55°	449.8	457.8	467.0	469.3	464.7
57.5°	410.7	417.6	423.3	419.9	416.4
60°	369.3	376.2	377.3	371.6	368.1
62.5°	329.0	334.7	334.7	325.5	319.8
65°	287.6	291.0	288.7	278.4	272.6
67.5°	248.5	250.8	246.2	235.8	226.6
70°	208.2	209.4	203.6	191.0	185.2
72.5°	171.4	172.5	165.6	150.7	143.8
75°	136.9	136.9	127.7	112.7	108.1
77.5°	102.4	105.8	95.5	87.4	87.4
80°	73.6	77.1	66.7	67.9	66.7
82.5°	48.3	51.8	48.3	48.3	48.3
85°	26.5	28.8	31.1	32.2	32.2
87.5°	8.1	13.8	15.0	16.1	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)