

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: P297727

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2573.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

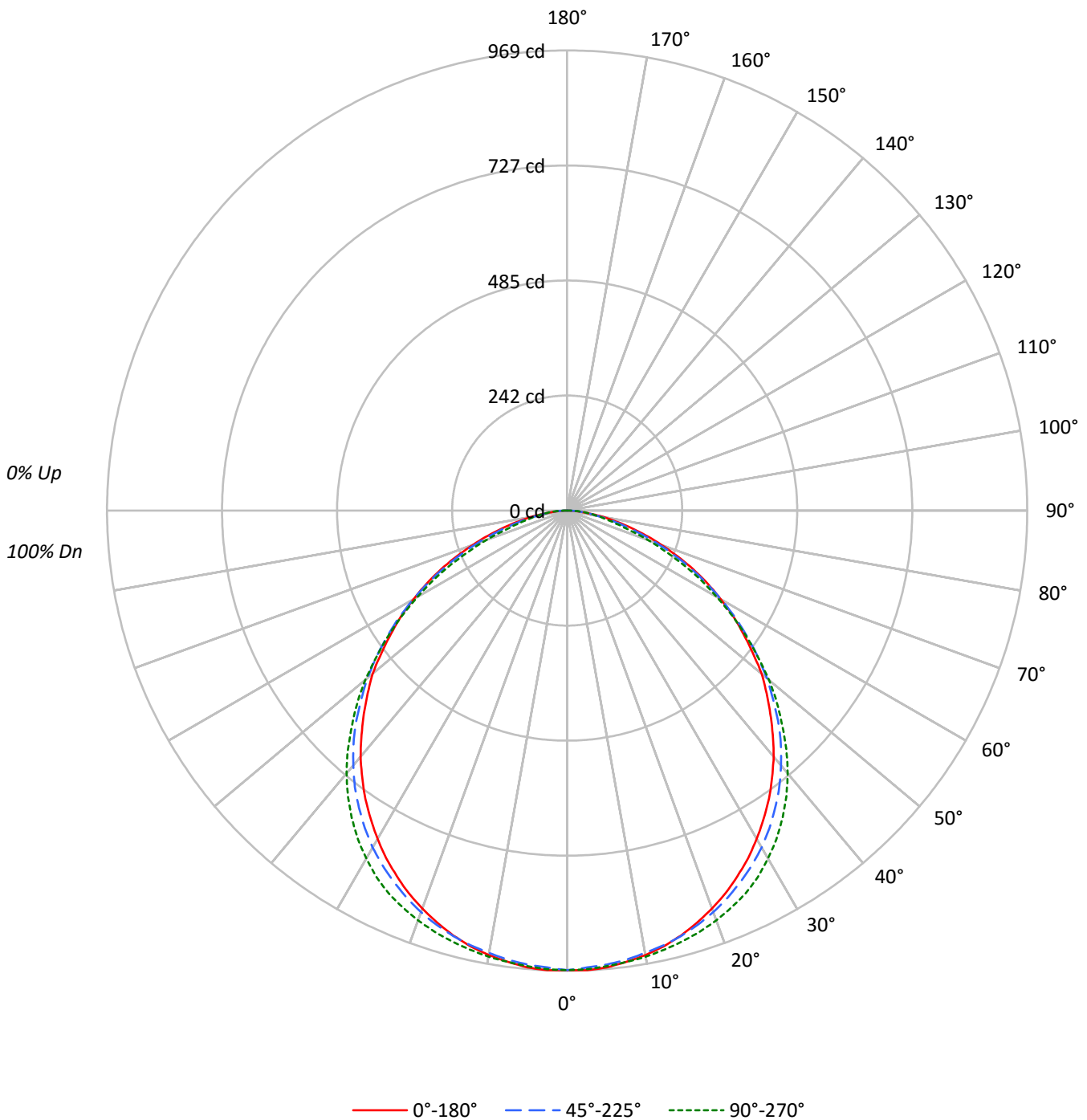
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	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	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		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	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2604	2604	2604
5°	2608	2592	2602
10°	2597	2584	2607
15°	2580	2584	2616
20°	2554	2577	2629
25°	2521	2562	2641
30°	2481	2545	2628
35°	2434	2510	2597
40°	2377	2461	2538
45°	2303	2391	2439
50°	2240	2298	2322
55°	2127	2170	2159
60°	2012	2012	1957
65°	1868	1824	1722
70°	1657	1585	1430
75°	1436	1304	1101
80°	1176	1017	998
85°	781	923	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.6
10°-20°	262.6	10.2
20°-30°	399.1	15.5
30°-40°	477.9	18.6
40°-50°	482.0	18.7
50°-60°	410.6	16.0
60°-70°	280.8	10.9
70°-80°	134.4	5.2
80°-90°	34.0	1.3
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°	753.3	29.3
0°-40°	1231.1	47.8
0°-60°	2123.8	82.5
0°-90°	2573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	965	964	960	964	963	92
15°	926	924	927	938	939	261
25°	849	850	863	882	889	391
35°	741	743	764	786	790	463
45°	605	610	628	641	641	467
55°	453	456	462	464	460	406
65°	293	288	286	276	270	289
75°	138	136	125	109	106	148
85°	25	28	30	31	32	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.7	967.7	967.7	967.7	967.7
2.5°	968.8	967.7	963.1	967.7	966.5
5°	965.4	964.2	959.6	964.2	963.1
7.5°	958.5	957.3	953.9	958.5	958.5
10°	950.4	948.1	945.8	952.7	953.9
12.5°	940.0	937.7	937.7	945.8	946.9
15°	926.2	923.9	927.4	937.7	938.9
17.5°	910.1	909.0	914.7	927.4	929.7
20°	891.7	890.6	899.8	914.7	918.2
22.5°	872.2	872.2	882.5	899.8	904.4
25°	849.1	850.3	863.0	882.5	889.4
27.5°	825.0	827.3	842.2	864.1	869.9
30°	798.5	802.0	819.2	839.9	845.7
32.5°	769.8	773.2	792.8	814.6	820.4
35°	741.0	743.3	764.0	785.9	790.5
37.5°	708.8	712.2	734.1	753.6	758.2
40°	676.6	680.0	700.7	719.1	722.6
42.5°	640.9	645.5	666.2	681.2	683.5
45°	605.2	609.8	628.2	640.9	640.9
47.5°	569.5	571.8	588.0	600.6	599.5
50°	535.0	533.9	548.8	554.6	554.6
52.5°	492.5	495.9	506.3	509.7	506.3
55°	453.3	455.6	462.5	463.7	460.2
57.5°	415.4	414.2	420.0	416.5	411.9
60°	373.9	373.9	373.9	370.5	363.6
62.5°	333.7	331.4	330.2	322.2	318.7
65°	293.4	287.7	286.5	276.1	270.4
67.5°	250.8	248.5	242.8	232.4	222.1
70°	210.6	208.3	201.4	188.7	181.8
72.5°	173.7	171.4	162.2	147.3	138.1
75°	138.1	135.8	125.4	109.3	105.9
77.5°	104.7	103.6	93.2	85.1	84.0
80°	75.9	74.8	65.6	65.6	64.4
82.5°	48.3	48.3	46.0	47.2	48.3
85°	25.3	27.6	29.9	31.1	32.2
87.5°	8.1	12.7	15.0	16.1	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)