

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: P297728

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297728
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-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

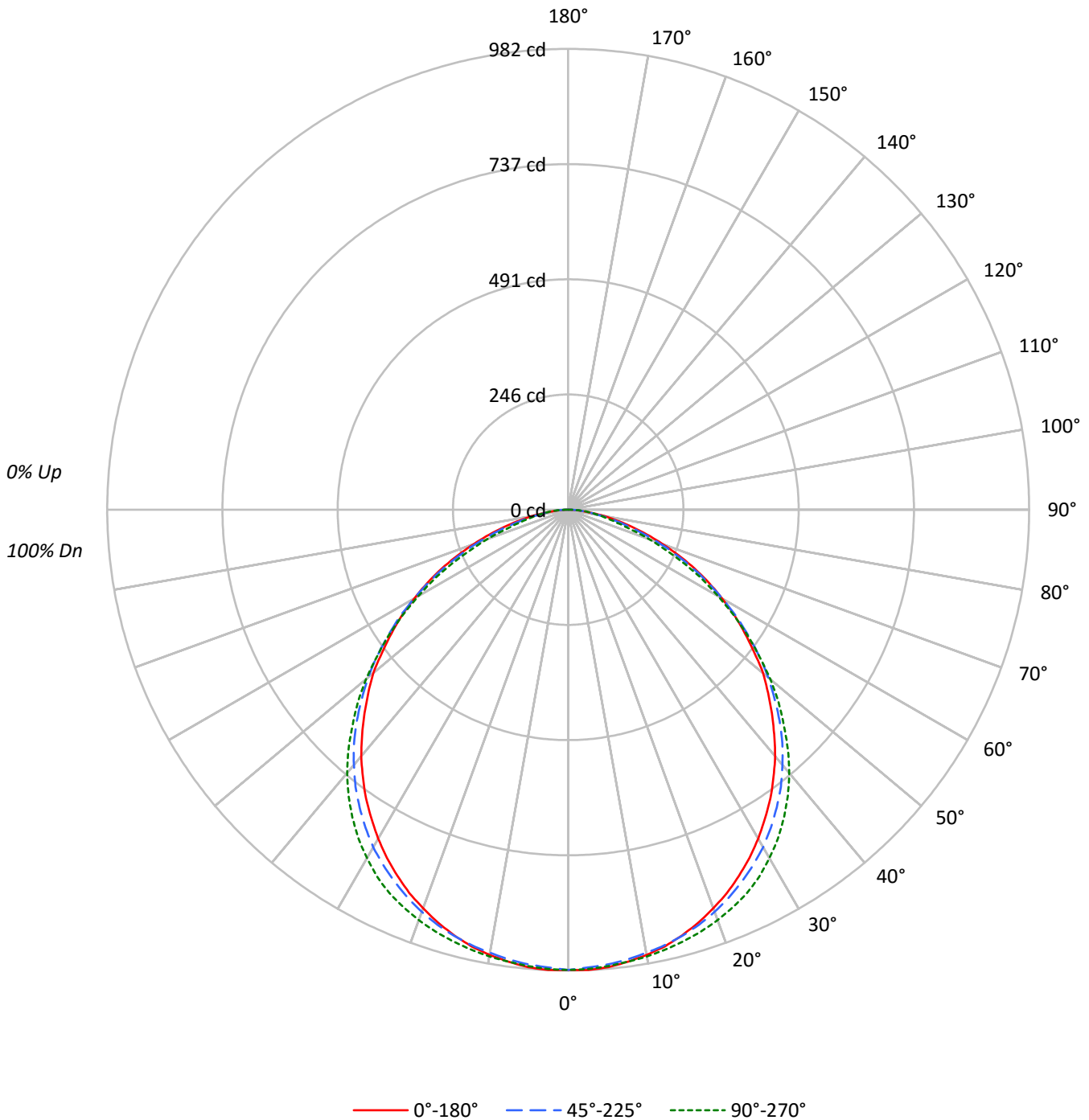
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2639	2639	2639
5°	2643	2628	2637
10°	2632	2620	2642
15°	2615	2619	2651
20°	2588	2612	2665
25°	2556	2597	2677
30°	2515	2580	2664
35°	2467	2544	2632
40°	2409	2495	2573
45°	2334	2423	2472
50°	2270	2329	2353
55°	2156	2199	2189
60°	2040	2040	1983
65°	1894	1849	1745
70°	1679	1606	1450
75°	1456	1321	1116
80°	1193	1031	1012
85°	794	936	1010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.6
10°-20°	266.2	10.2
20°-30°	404.6	15.5
30°-40°	484.4	18.6
40°-50°	488.6	18.7
50°-60°	416.2	16.0
60°-70°	284.6	10.9
70°-80°	136.3	5.2
80°-90°	34.5	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°	763.5	29.3
0°-40°	1247.9	47.8
0°-60°	2152.7	82.5
0°-90°	2608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	978	977	973	977	976	93
15°	939	936	940	950	952	265
25°	861	862	875	894	902	396
35°	751	753	774	797	801	469
45°	613	618	637	650	650	474
55°	460	462	469	470	466	411
65°	297	292	290	280	274	293
75°	140	138	127	111	107	150
85°	26	28	30	32	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.8	980.8	980.8	980.8	980.8
2.5°	982.0	980.8	976.2	980.8	979.7
5°	978.5	977.3	972.7	977.3	976.2
7.5°	971.5	970.3	966.8	971.5	971.5
10°	963.3	961.0	958.7	965.7	966.8
12.5°	952.8	950.5	950.5	958.7	959.8
15°	938.8	936.5	940.0	950.5	951.7
17.5°	922.5	921.3	927.2	940.0	942.3
20°	903.8	902.7	912.0	927.2	930.7
22.5°	884.0	884.0	894.5	912.0	916.7
25°	860.7	861.9	874.7	894.5	901.5
27.5°	836.2	838.5	853.7	875.9	881.7
30°	809.4	812.9	830.4	851.4	857.2
32.5°	780.2	783.7	803.5	825.7	831.5
35°	751.1	753.4	774.4	796.6	801.2
37.5°	718.4	721.9	744.1	763.9	768.6
40°	685.8	689.3	710.2	728.9	732.4
42.5°	649.6	654.3	675.3	690.4	692.8
45°	613.4	618.1	636.8	649.6	649.6
47.5°	577.3	579.6	596.0	608.8	607.6
50°	542.3	541.1	556.3	562.1	562.1
52.5°	499.2	502.7	513.2	516.7	513.2
55°	459.5	461.8	468.8	470.0	466.5
57.5°	421.0	419.9	425.7	422.2	417.5
60°	379.0	379.0	379.0	375.5	368.5
62.5°	338.2	335.9	334.7	326.6	323.1
65°	297.4	291.6	290.4	279.9	274.1
67.5°	254.2	251.9	246.1	235.6	225.1
70°	213.4	211.1	204.1	191.3	184.3
72.5°	176.1	173.8	164.4	149.3	140.0
75°	140.0	137.6	127.1	110.8	107.3
77.5°	106.1	105.0	94.5	86.3	85.1
80°	77.0	75.8	66.5	66.5	65.3
82.5°	49.0	49.0	46.7	47.8	49.0
85°	25.7	28.0	30.3	31.5	32.7
87.5°	8.2	12.8	15.2	16.3	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)