

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: P297805

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297805
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-31L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2612.0 lumens
Efficiency: N/A
Efficacy: 91.3 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

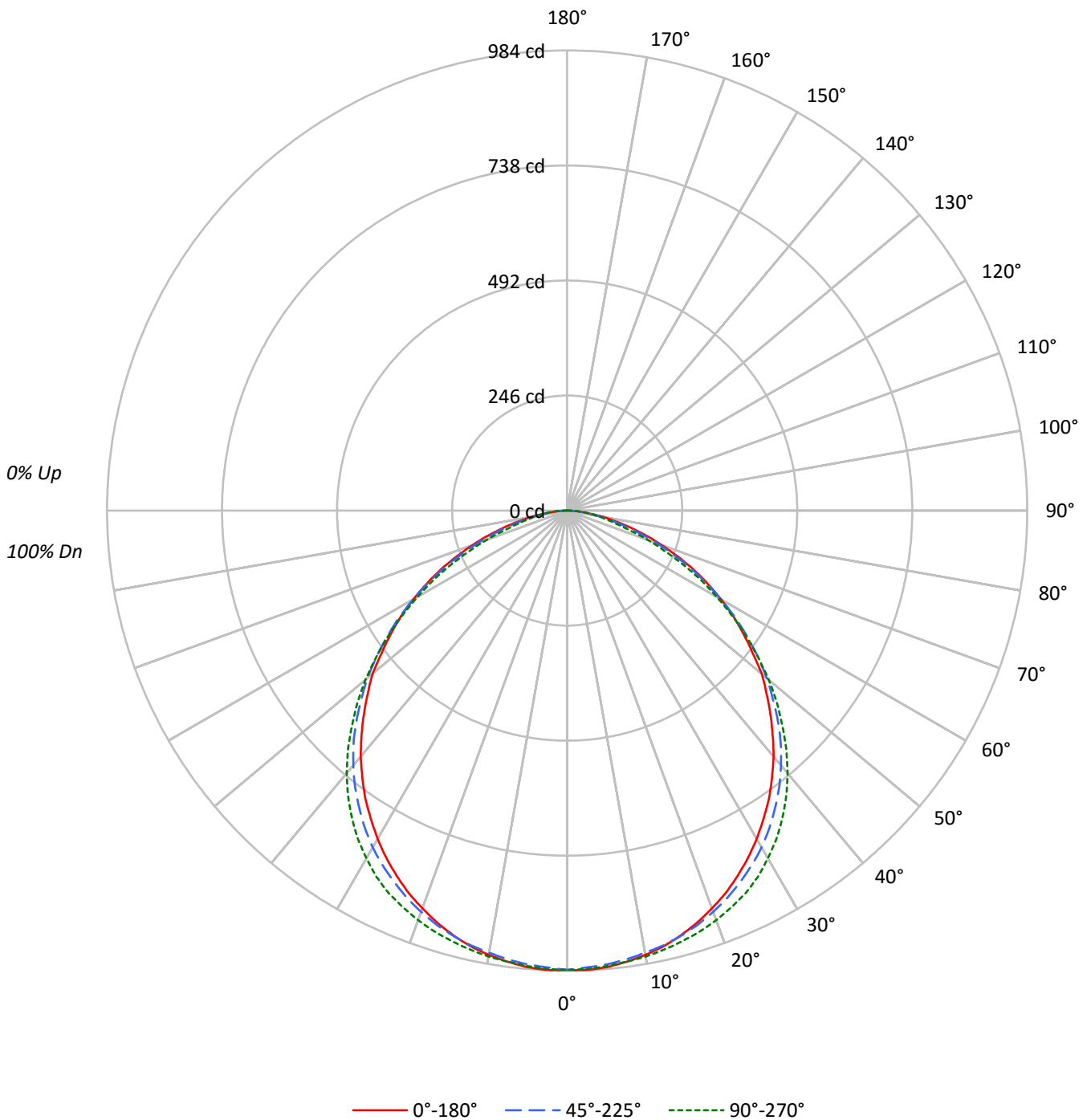
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297805

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297805

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-4000K

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°	2643	2643	2643
5°	2647	2631	2641
10°	2636	2623	2646
15°	2620	2623	2655
20°	2592	2616	2669
25°	2559	2601	2681
30°	2519	2584	2668
35°	2471	2548	2636
40°	2413	2499	2577
45°	2338	2427	2476
50°	2274	2333	2357
55°	2159	2203	2192
60°	2043	2043	1986
65°	1897	1852	1748
70°	1682	1608	1452
75°	1458	1324	1118
80°	1195	1032	1013
85°	794	939	1010



TEST NUMBER: P297805

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	3.6
10°-20°	266.6	10.2
20°-30°	405.2	15.5
30°-40°	485.1	18.6
40°-50°	489.4	18.7
50°-60°	416.8	16.0
60°-70°	285.0	10.9
70°-80°	136.5	5.2
80°-90°	34.6	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°	764.7	29.3
0°-40°	1249.8	47.8
0°-60°	2156.0	82.5
0°-90°	2612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	980	979	974	979	978	93
15°	940	938	941	952	953	265
25°	862	863	876	896	903	397
35°	752	755	776	798	802	470
45°	614	619	638	651	651	474
55°	460	462	470	471	467	412
65°	298	292	291	280	274	294
75°	140	138	127	111	108	150
85°	26	28	30	32	33	33
90°	0	0	0	0	0	



TEST NUMBER: P297805

CATALOG NUMBER: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.3	982.3	982.3	982.3	982.3
2.5°	983.5	982.3	977.7	982.3	981.2
5°	980.0	978.8	974.1	978.8	977.7
7.5°	973.0	971.8	968.3	973.0	973.0
10°	964.8	962.5	960.1	967.1	968.3
12.5°	954.3	952.0	952.0	960.1	961.3
15°	940.3	937.9	941.4	952.0	953.1
17.5°	923.9	922.8	928.6	941.4	943.8
20°	905.2	904.1	913.4	928.6	932.1
22.5°	885.4	885.4	895.9	913.4	918.1
25°	862.0	863.2	876.0	895.9	902.9
27.5°	837.5	839.8	855.0	877.2	883.0
30°	810.6	814.1	831.6	852.7	858.5
32.5°	781.4	784.9	804.8	827.0	832.8
35°	752.2	754.6	775.6	797.8	802.4
37.5°	719.5	723.0	745.2	765.1	769.7
40°	686.8	690.3	711.3	730.0	733.5
42.5°	650.6	655.3	676.3	691.5	693.8
45°	614.4	619.1	637.8	650.6	650.6
47.5°	578.2	580.5	596.9	609.7	608.6
50°	543.1	542.0	557.2	563.0	563.0
52.5°	499.9	503.4	513.9	517.4	513.9
55°	460.2	462.5	469.6	470.7	467.2
57.5°	421.7	420.5	426.3	422.8	418.2
60°	379.6	379.6	379.6	376.1	369.1
62.5°	338.7	336.4	335.2	327.1	323.5
65°	297.9	292.0	290.8	280.3	274.5
67.5°	254.6	252.3	246.5	235.9	225.4
70°	213.8	211.4	204.4	191.6	184.6
72.5°	176.4	174.0	164.7	149.5	140.2
75°	140.2	137.8	127.3	111.0	107.5
77.5°	106.3	105.1	94.6	86.4	85.3
80°	77.1	75.9	66.6	66.6	65.4
82.5°	49.1	49.1	46.7	47.9	49.1
85°	25.7	28.0	30.4	31.5	32.7
87.5°	8.2	12.8	15.2	16.4	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)