

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: P297946

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297946
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-31L92765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2827.0 lumens
Efficiency: N/A
Efficacy: 98.2 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

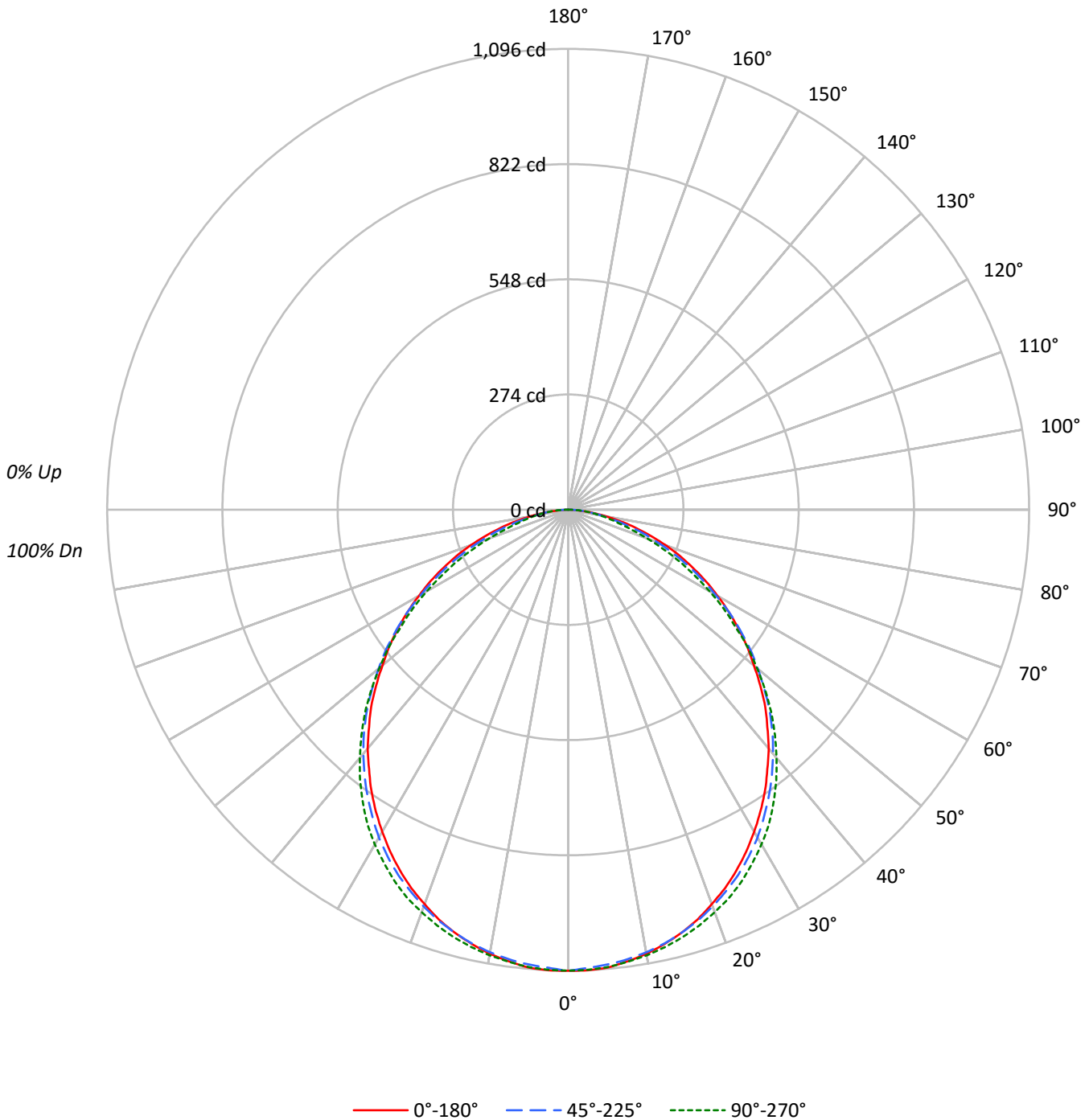
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	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	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2951	2951	2951
5°	2952	2933	2949
10°	2931	2921	2940
15°	2901	2901	2931
20°	2859	2876	2917
25°	2811	2843	2896
30°	2748	2797	2856
35°	2681	2732	2795
40°	2606	2661	2707
45°	2522	2577	2600
50°	2413	2463	2453
55°	2322	2339	2277
60°	2206	2173	2090
65°	2083	1999	1862
70°	1933	1773	1574
75°	1720	1520	1295
80°	1430	1244	1207
85°	1037	1112	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.7
10°-20°	294.8	10.4
20°-30°	441.8	15.6
30°-40°	520.5	18.4
40°-50°	519.1	18.4
50°-60°	441.6	15.6
60°-70°	308.2	10.9
70°-80°	156.7	5.5
80°-90°	40.9	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°	840.0	29.7
0°-40°	1360.5	48.1
0°-60°	2321.2	82.1
0°-90°	2827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2827.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1096	1096	1096	1096	1096	
5°	1093	1090	1086	1092	1092	104
15°	1041	1041	1041	1051	1052	294
25°	947	948	958	972	976	436
35°	816	817	832	848	851	510
45°	663	665	677	682	683	510
55°	495	495	498	491	485	442
65°	327	322	314	297	292	324
75°	165	159	146	128	125	176
85°	34	35	36	36	36	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1096.5	1096.5	1096.5	1096.5	1096.5
2.5°	1096.5	1095.3	1090.5	1095.3	1095.3
5°	1092.9	1090.5	1085.7	1091.7	1091.7
7.5°	1083.3	1082.1	1078.5	1084.5	1084.5
10°	1072.5	1071.3	1068.9	1076.1	1076.1
12.5°	1058.1	1058.1	1056.9	1064.1	1065.3
15°	1041.4	1041.4	1041.4	1051.0	1052.2
17.5°	1022.2	1021.0	1024.6	1035.4	1036.6
20°	998.2	999.4	1004.2	1016.2	1018.6
22.5°	974.3	975.5	981.5	995.8	999.4
25°	946.7	947.9	957.5	971.9	975.5
27.5°	916.7	919.1	929.9	945.5	947.9
30°	884.4	886.8	900.0	915.5	919.1
32.5°	850.8	854.4	866.4	883.2	888.0
35°	816.1	817.3	831.7	848.4	850.8
37.5°	777.7	781.3	795.7	810.1	812.5
40°	741.8	744.2	757.4	769.3	770.5
42.5°	701.0	704.6	719.0	727.4	727.4
45°	662.7	665.1	677.1	681.9	683.1
47.5°	619.5	621.9	632.7	635.1	635.1
50°	576.4	582.4	588.4	588.4	586.0
52.5°	536.9	538.1	545.3	540.5	538.1
55°	494.9	494.9	498.5	491.3	485.3
57.5°	453.0	453.0	453.0	443.4	438.6
60°	409.8	408.6	403.8	391.9	388.3
62.5°	369.1	365.5	358.3	346.3	339.1
65°	327.2	322.4	314.0	297.2	292.4
67.5°	287.6	279.2	269.6	254.1	245.7
70°	245.7	238.5	225.3	207.3	200.1
72.5°	204.9	197.7	186.9	169.0	158.2
75°	165.4	159.4	146.2	128.2	124.6
77.5°	127.0	123.4	110.2	101.9	100.7
80°	92.3	91.1	80.3	77.9	77.9
82.5°	61.1	59.9	56.3	56.3	55.1
85°	33.6	34.8	36.0	36.0	36.0
87.5°	12.0	14.4	16.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)