

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: P297666

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297666
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-31L92765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 93.2 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

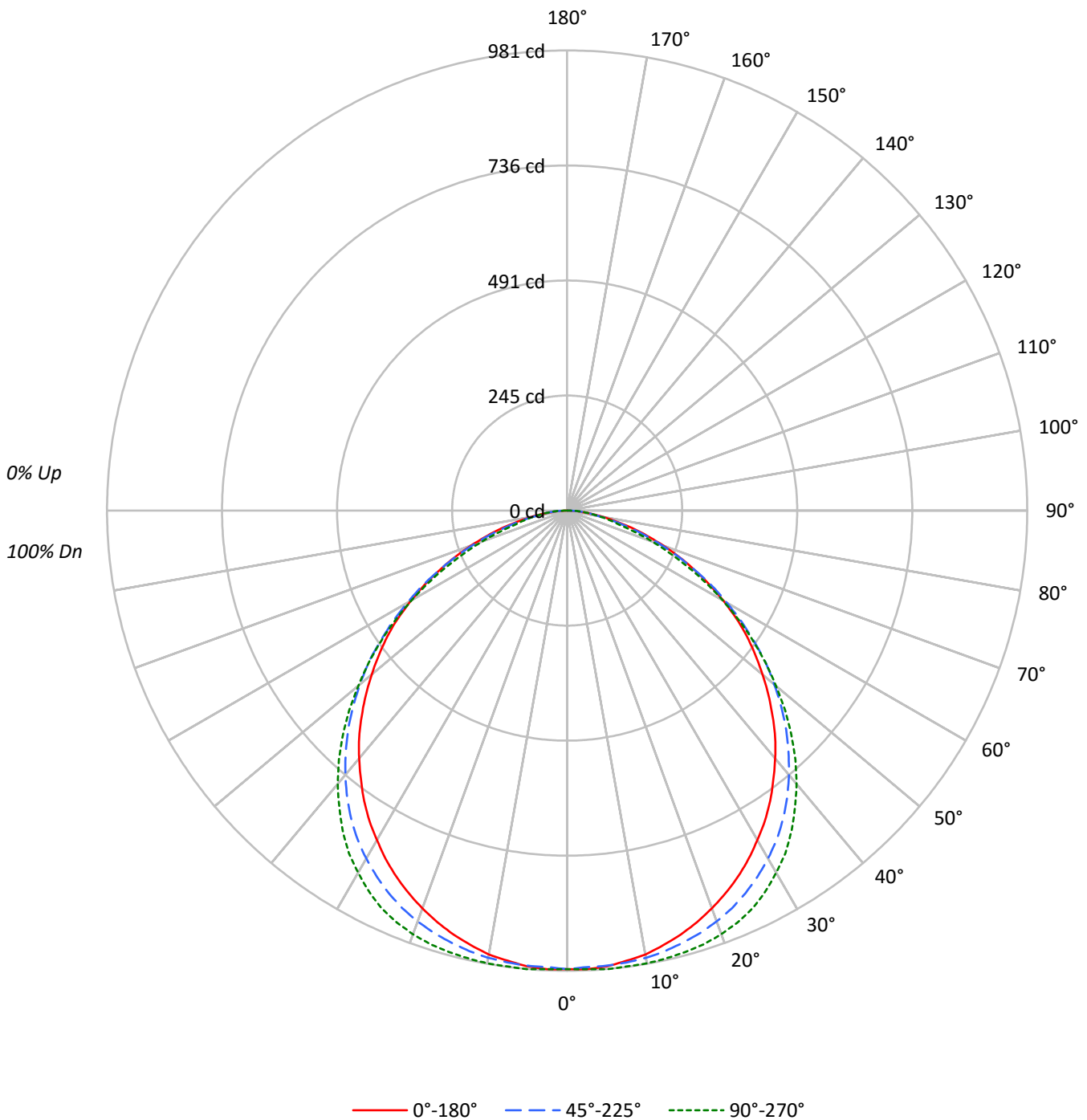
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2631	2631	2631
5°	2634	2631	2650
10°	2626	2645	2678
15°	2607	2657	2713
20°	2584	2669	2752
25°	2558	2672	2778
30°	2520	2662	2770
35°	2480	2637	2739
40°	2424	2584	2673
45°	2357	2512	2571
50°	2277	2413	2433
55°	2198	2282	2271
60°	2070	2115	2063
65°	1907	1915	1808
70°	1707	1669	1518
75°	1483	1383	1171
80°	1189	1077	1077
85°	852	997	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.5
10°-20°	269.9	10.1
20°-30°	414.4	15.4
30°-40°	499.1	18.6
40°-50°	504.3	18.8
50°-60°	430.2	16.0
60°-70°	294.5	11.0
70°-80°	142.1	5.3
80°-90°	36.6	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°	777.2	29.0
0°-40°	1276.3	47.6
0°-60°	2210.8	82.4
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	975	975	974	980	981	93
15°	936	943	954	970	974	264
25°	861	875	900	926	936	397
35°	755	772	803	828	834	472
45°	619	636	660	676	676	478
55°	468	477	486	489	484	417
65°	300	303	301	290	284	297
75°	143	143	133	117	113	151
85°	28	30	32	34	34	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.6	977.6	977.6	977.6	977.6
2.5°	978.8	977.6	974.0	978.8	978.8
5°	975.2	975.2	974.0	980.0	981.2
7.5°	968.1	970.4	971.6	978.8	980.0
10°	960.9	963.3	968.1	977.6	980.0
12.5°	948.9	953.7	962.1	975.2	977.6
15°	935.7	942.9	953.7	970.4	974.0
17.5°	920.1	929.7	944.1	963.3	969.3
20°	902.2	912.9	932.1	953.7	960.9
22.5°	883.0	895.0	917.7	942.9	950.1
25°	861.4	874.6	899.8	926.1	935.7
27.5°	837.5	851.8	879.4	907.0	915.3
30°	811.1	826.7	856.6	884.2	891.4
32.5°	784.7	800.3	831.5	857.8	866.2
35°	754.8	771.6	802.7	827.9	833.9
37.5°	722.4	739.2	770.4	795.5	797.9
40°	690.1	706.9	735.6	758.4	760.8
42.5°	656.6	672.1	698.5	717.7	720.0
45°	619.4	636.2	660.1	675.7	675.7
47.5°	582.3	599.0	619.4	630.2	630.2
50°	543.9	559.5	576.3	582.3	581.1
52.5°	505.6	520.0	534.3	535.5	533.1
55°	468.5	476.8	486.4	488.8	484.0
57.5°	427.7	434.9	440.9	437.3	433.7
60°	384.6	391.8	393.0	387.0	383.4
62.5°	342.7	348.6	348.6	339.1	333.1
65°	299.5	303.1	300.7	289.9	283.9
67.5°	258.8	261.2	256.4	245.6	236.0
70°	216.9	218.1	212.1	198.9	192.9
72.5°	178.5	179.7	172.5	156.9	149.8
75°	142.6	142.6	133.0	117.4	112.6
77.5°	106.6	110.2	99.4	91.1	91.1
80°	76.7	80.3	69.5	70.7	69.5
82.5°	50.3	53.9	50.3	50.3	50.3
85°	27.6	30.0	32.3	33.5	33.5
87.5°	8.4	14.4	15.6	16.8	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)