

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: P297943

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297943
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-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.0 lumens
Efficiency: N/A
Efficacy: 90.8 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

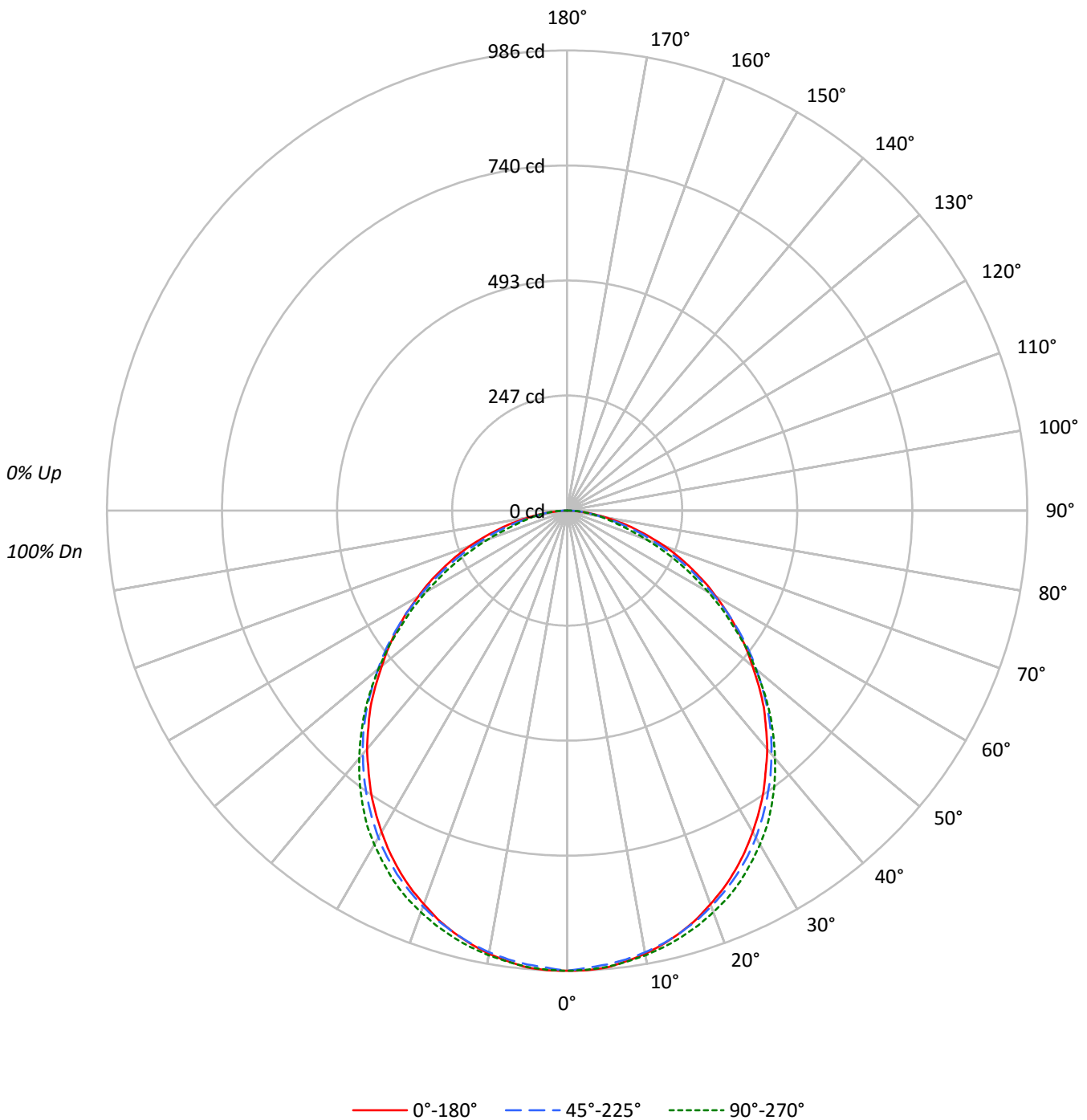
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	31		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°	2653	2653	2653
5°	2655	2637	2652
10°	2635	2626	2644
15°	2609	2609	2636
20°	2570	2586	2623
25°	2528	2556	2604
30°	2471	2514	2568
35°	2411	2457	2513
40°	2343	2392	2434
45°	2268	2317	2337
50°	2170	2215	2206
55°	2088	2103	2047
60°	1983	1954	1879
65°	1873	1798	1674
70°	1738	1594	1416
75°	1546	1367	1166
80°	1286	1119	1085
85°	932	997	997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.7
10°-20°	265.1	10.4
20°-30°	397.2	15.6
30°-40°	468.0	18.4
40°-50°	466.8	18.4
50°-60°	397.1	15.6
60°-70°	277.1	10.9
70°-80°	140.9	5.5
80°-90°	36.8	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°	755.3	29.7
0°-40°	1223.4	48.1
0°-60°	2087.2	82.1
0°-90°	2542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	983	981	976	982	982	93
15°	936	936	936	945	946	264
25°	851	852	861	874	877	392
35°	734	735	748	763	765	458
45°	596	598	609	613	614	458
55°	445	445	448	442	436	398
65°	294	290	282	267	263	292
75°	149	143	132	115	112	158
85°	30	31	32	32	32	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	986.0	986.0	986.0	986.0	986.0
2.5°	986.0	984.9	980.6	984.9	984.9
5°	982.7	980.6	976.3	981.6	981.6
7.5°	974.1	973.0	969.8	975.2	975.2
10°	964.4	963.3	961.2	967.6	967.6
12.5°	951.5	951.5	950.4	956.9	957.9
15°	936.4	936.4	936.4	945.0	946.1
17.5°	919.1	918.1	921.3	931.0	932.1
20°	897.6	898.7	903.0	913.8	915.9
22.5°	876.0	877.1	882.5	895.4	898.7
25°	851.3	852.3	861.0	873.9	877.1
27.5°	824.3	826.5	836.2	850.2	852.3
30°	795.2	797.4	809.2	823.2	826.5
32.5°	765.1	768.3	779.1	794.2	798.5
35°	733.8	734.9	747.8	762.9	765.1
37.5°	699.3	702.6	715.5	728.4	730.6
40°	667.0	669.2	681.0	691.8	692.9
42.5°	630.4	633.6	646.5	654.1	654.1
45°	595.9	598.0	608.8	613.1	614.2
47.5°	557.1	559.2	568.9	571.1	571.1
50°	518.3	523.7	529.1	529.1	526.9
52.5°	482.7	483.8	490.3	486.0	483.8
55°	445.0	445.0	448.3	441.8	436.4
57.5°	407.3	407.3	407.3	398.7	394.4
60°	368.5	367.4	363.1	352.4	349.1
62.5°	331.9	328.7	322.2	311.4	304.9
65°	294.2	289.9	282.3	267.2	262.9
67.5°	258.6	251.1	242.4	228.4	220.9
70°	220.9	214.4	202.6	186.4	180.0
72.5°	184.3	177.8	168.1	151.9	142.2
75°	148.7	143.3	131.5	115.3	112.1
77.5°	114.2	111.0	99.1	91.6	90.5
80°	83.0	81.9	72.2	70.0	70.0
82.5°	55.0	53.9	50.6	50.6	49.6
85°	30.2	31.2	32.3	32.3	32.3
87.5°	10.8	12.9	15.1	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)