

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: P298346

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L82765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

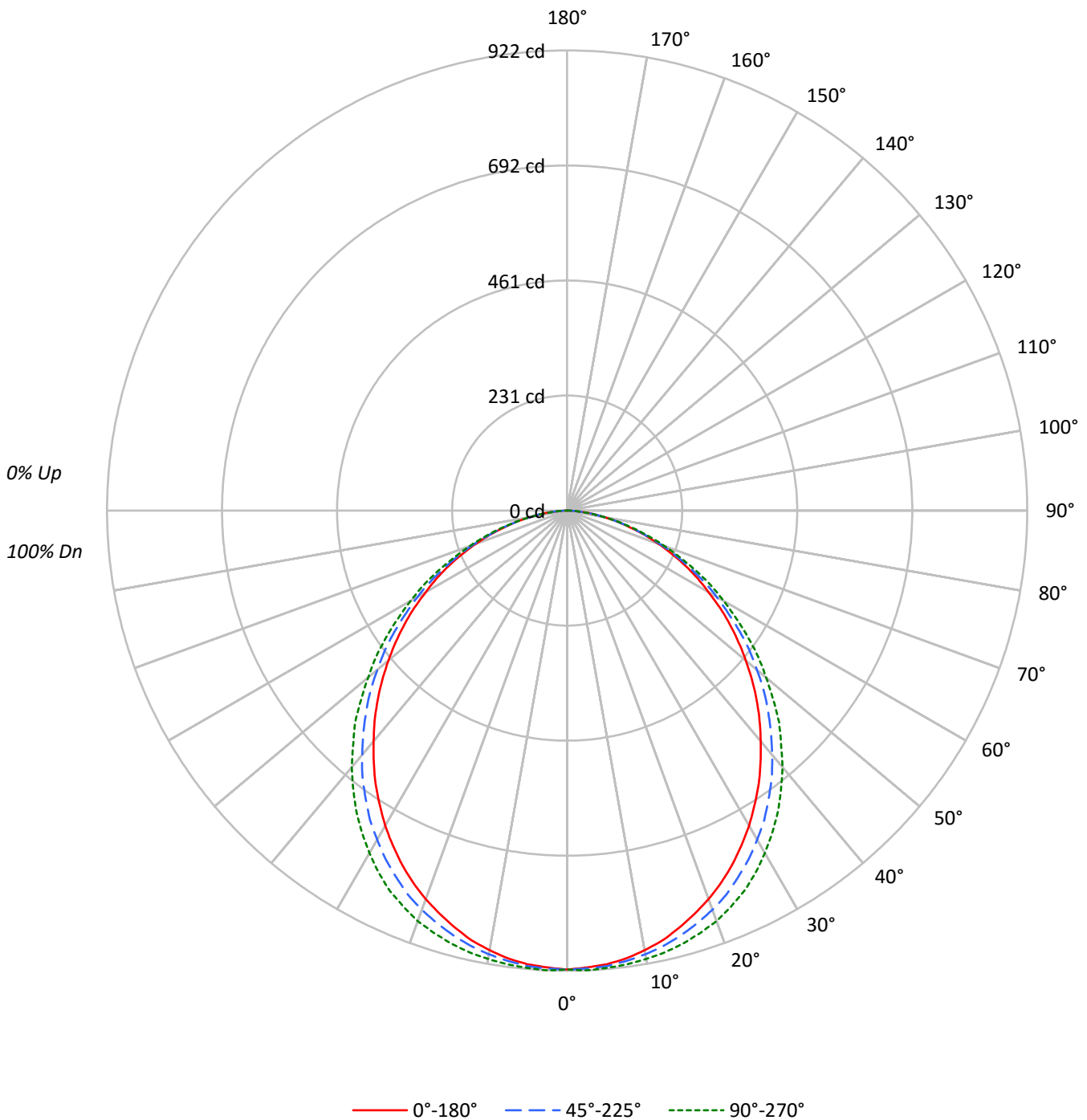
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	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°	2475	2475	2475
5°	2465	2474	2484
10°	2444	2467	2493
15°	2411	2455	2502
20°	2373	2438	2506
25°	2325	2407	2496
30°	2265	2366	2463
35°	2198	2312	2418
40°	2119	2245	2359
45°	2044	2167	2286
50°	1958	2078	2178
55°	1868	1980	2076
60°	1762	1865	1949
65°	1664	1726	1810
70°	1528	1575	1632
75°	1359	1396	1434
80°	1170	1151	1151
85°	889	815	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	3.6
10°-20°	248.6	10.3
20°-30°	373.3	15.5
30°-40°	439.4	18.2
40°-50°	438.2	18.2
50°-60°	376.1	15.6
60°-70°	269.3	11.2
70°-80°	142.6	5.9
80°-90°	33.4	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°	709.0	29.4
0°-40°	1148.3	47.7
0°-60°	1962.7	81.5
0°-90°	2408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	920	920	920	920	920	
5°	912	912	916	918	920	87
15°	866	869	881	893	898	244
25°	783	790	810	831	840	360
35°	669	677	704	728	736	418
45°	537	546	570	590	601	414
55°	398	404	422	436	442	356
65°	261	263	271	282	284	258
75°	131	131	134	137	138	140
85°	29	28	26	24	24	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	919.6	919.6	919.6	919.6	919.6
2.5°	916.0	916.0	918.4	920.8	922.0
5°	912.4	912.4	916.0	918.4	919.6
7.5°	905.2	905.2	910.0	914.8	917.2
10°	894.4	896.8	902.8	910.0	912.4
12.5°	882.4	884.8	893.2	902.8	906.4
15°	865.6	869.2	881.2	893.2	898.0
17.5°	847.7	852.5	866.8	881.2	887.2
20°	828.5	833.3	851.3	868.0	875.2
22.5°	806.9	812.9	833.3	851.3	858.4
25°	782.9	790.1	810.5	830.9	840.5
27.5°	756.5	764.9	787.7	809.3	817.7
30°	729.0	738.6	761.3	784.1	792.5
32.5°	699.0	707.4	735.0	756.5	764.9
35°	669.0	677.4	703.8	727.8	736.2
37.5°	636.6	647.4	673.8	695.4	703.8
40°	603.1	613.9	639.0	664.2	671.4
42.5°	570.7	580.3	604.3	627.1	634.2
45°	537.1	545.5	569.5	589.9	600.7
47.5°	502.4	510.8	534.7	553.9	559.9
50°	467.6	476.0	496.4	513.1	520.3
52.5°	432.8	441.2	460.4	476.0	483.2
55°	398.1	404.0	422.0	436.4	442.4
57.5°	363.3	368.1	382.5	398.1	401.6
60°	327.3	333.3	346.5	357.3	362.1
62.5°	294.9	297.3	309.3	318.9	324.9
65°	261.4	262.6	271.0	281.8	284.2
67.5°	226.6	227.8	236.2	242.2	244.6
70°	194.2	194.2	200.2	205.0	207.4
72.5°	163.1	161.9	165.5	170.3	172.6
75°	130.7	130.7	134.3	136.7	137.9
77.5°	103.1	100.7	103.1	105.5	105.5
80°	75.5	74.3	74.3	75.5	74.3
82.5°	51.6	50.4	51.6	49.2	48.0
85°	28.8	27.6	26.4	24.0	24.0
87.5°	9.6	8.4	8.4	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)