

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: P298313

Luminaire Tested: **D3X-WO-25L83050-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298313
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-25L83050-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2613.0 lumens
Efficiency: N/A
Efficacy: 132.0 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

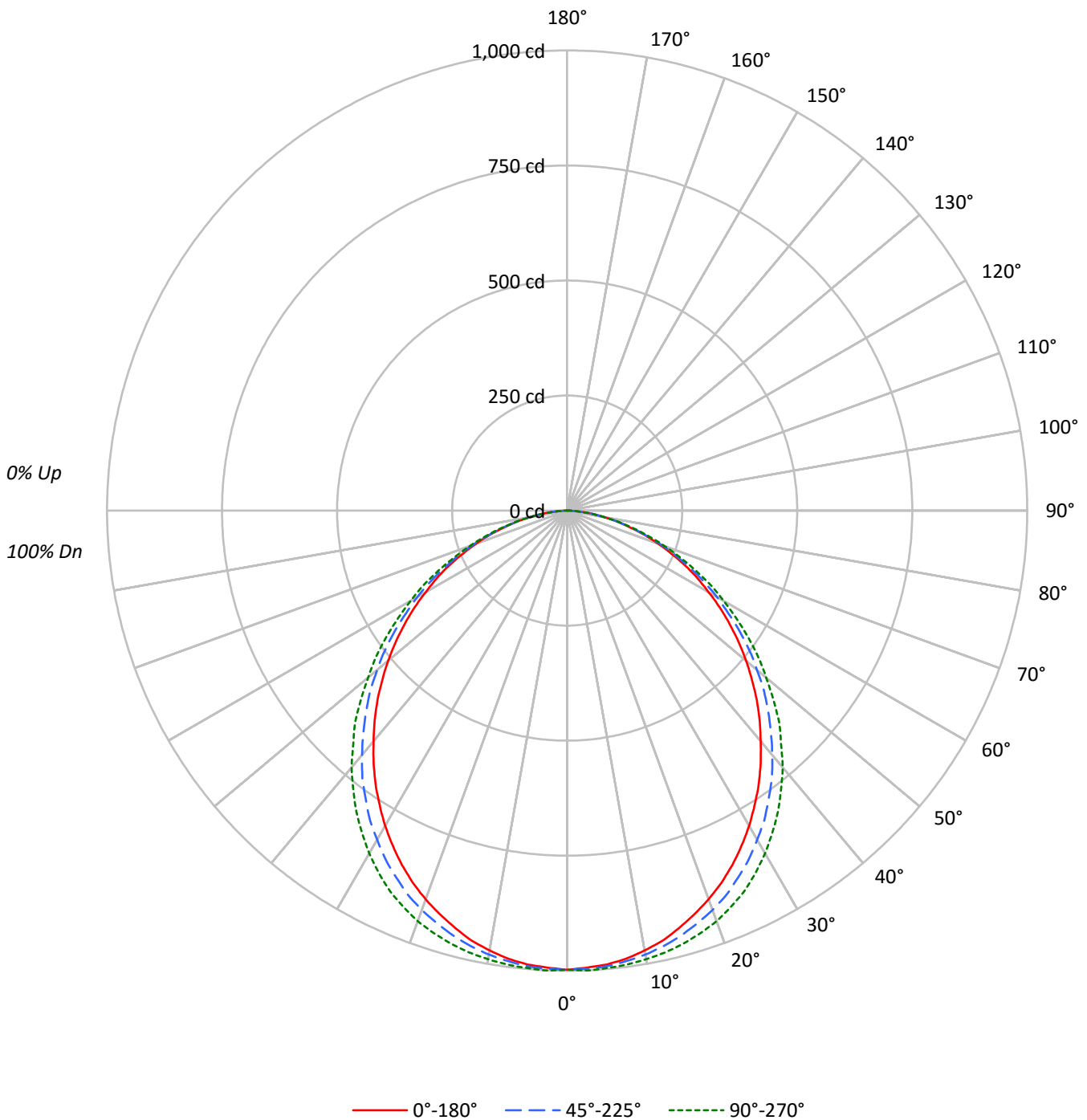
Input Watts (W): 19.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2685	2685	2685
5°	2675	2685	2696
10°	2652	2677	2705
15°	2617	2664	2715
20°	2574	2645	2720
25°	2523	2611	2708
30°	2458	2567	2672
35°	2385	2509	2624
40°	2299	2436	2559
45°	2218	2352	2481
50°	2124	2255	2364
55°	2026	2149	2252
60°	1912	2024	2115
65°	1806	1872	1963
70°	1659	1710	1771
75°	1474	1515	1555
80°	1271	1251	1251
85°	963	883	803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	3.6
10°-20°	269.8	10.3
20°-30°	405.1	15.5
30°-40°	476.8	18.2
40°-50°	475.6	18.2
50°-60°	408.1	15.6
60°-70°	292.3	11.2
70°-80°	154.8	5.9
80°-90°	36.2	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°	769.3	29.4
0°-40°	1246.1	47.7
0°-60°	2129.7	81.5
0°-90°	2613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	990	990	994	997	998	94
15°	939	943	956	969	974	265
25°	850	857	880	902	912	391
35°	726	735	764	790	799	453
45°	583	592	618	640	652	449
55°	432	438	458	474	480	386
65°	284	285	294	306	308	280
75°	142	142	146	148	150	152
85°	31	30	29	26	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.9	997.9	997.9	997.9	997.9
2.5°	994.0	994.0	996.6	999.2	1000.5
5°	990.1	990.1	994.0	996.6	997.9
7.5°	982.3	982.3	987.5	992.7	995.3
10°	970.6	973.2	979.7	987.5	990.1
12.5°	957.5	960.2	969.3	979.7	983.6
15°	939.3	943.2	956.2	969.3	974.5
17.5°	919.8	925.0	940.6	956.2	962.8
20°	899.0	904.2	923.7	941.9	949.7
22.5°	875.6	882.1	904.2	923.7	931.5
25°	849.6	857.4	879.5	901.6	912.0
27.5°	820.9	830.0	854.8	878.2	887.3
30°	791.0	801.4	826.1	850.9	860.0
32.5°	758.5	767.6	797.5	820.9	830.0
35°	726.0	735.1	763.7	789.7	798.8
37.5°	690.8	702.5	731.2	754.6	763.7
40°	654.4	666.1	693.4	720.8	728.6
42.5°	619.3	629.7	655.7	680.4	688.2
45°	582.9	592.0	618.0	640.1	651.8
47.5°	545.1	554.2	580.3	601.1	607.6
50°	507.4	516.5	538.6	556.8	564.6
52.5°	469.7	478.8	499.6	516.5	524.3
55°	431.9	438.4	458.0	473.6	480.1
57.5°	394.2	399.4	415.0	431.9	435.8
60°	355.2	361.7	376.0	387.7	392.9
62.5°	320.1	322.7	335.7	346.1	352.6
65°	283.6	284.9	294.0	305.7	308.3
67.5°	245.9	247.2	256.3	262.8	265.4
70°	210.8	210.8	217.3	222.5	225.1
72.5°	176.9	175.6	179.5	184.7	187.3
75°	141.8	141.8	145.7	148.3	149.6
77.5°	111.9	109.3	111.9	114.5	114.5
80°	82.0	80.7	80.7	82.0	80.7
82.5°	55.9	54.6	55.9	53.3	52.0
85°	31.2	29.9	28.6	26.0	26.0
87.5°	10.4	9.1	9.1	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)