

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: P298004

Luminaire Tested: **D3X-WD-20L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-20L82765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1911.0 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

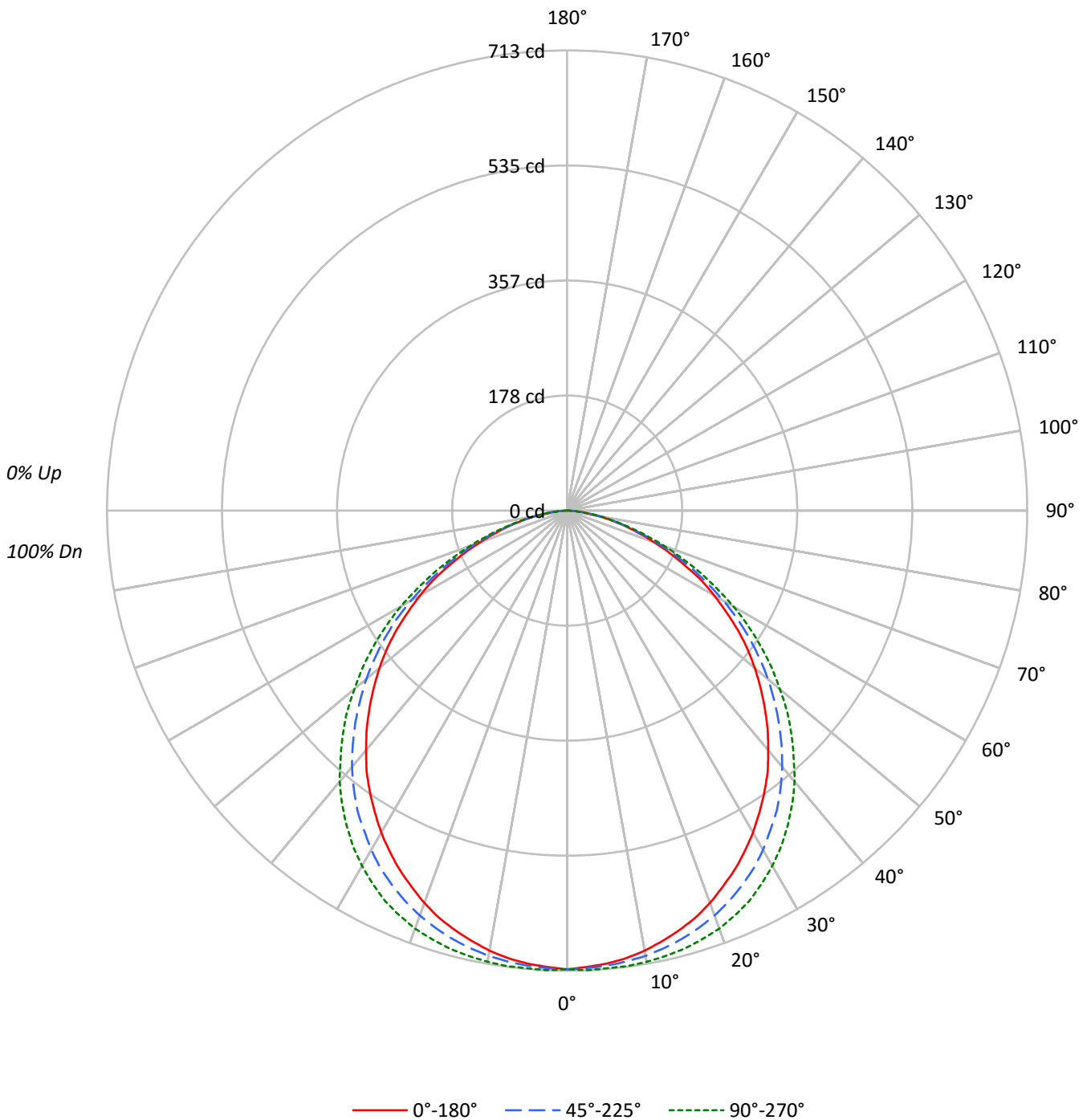
Input Watts (W): 15.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1913	1913	1913
5°	1903	1912	1923
10°	1892	1914	1940
15°	1874	1914	1957
20°	1853	1912	1974
25°	1823	1903	1982
30°	1790	1886	1975
35°	1750	1862	1957
40°	1702	1821	1926
45°	1648	1765	1871
50°	1589	1701	1800
55°	1515	1617	1718
60°	1417	1506	1605
65°	1284	1363	1447
70°	1133	1190	1254
75°	973	995	1038
80°	781	797	814
85°	571	509	509



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	3.5
10°-20°	194.0	10.2
20°-30°	295.1	15.4
30°-40°	353.1	18.5
40°-50°	357.0	18.7
50°-60°	307.2	16.1
60°-70°	212.1	11.1
70°-80°	102.8	5.4
80°-90°	22.3	1.2
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°	556.5	29.1
0°-40°	909.6	47.6
0°-60°	1573.8	82.4
0°-90°	1911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	705	706	708	711	712	67
15°	673	677	687	697	703	190
25°	614	621	641	660	668	283
35°	533	542	567	587	596	333
45°	433	441	464	484	492	334
55°	323	328	345	360	366	288
65°	202	205	214	223	227	201
75°	94	92	96	99	100	99
85°	18	18	16	16	16	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	710.8	710.8	710.8	710.8	710.8
2.5°	707.7	707.7	709.8	711.8	712.8
5°	704.6	705.6	707.7	710.8	711.8
7.5°	699.5	700.5	704.6	709.8	711.8
10°	692.3	694.3	700.5	706.7	709.8
12.5°	683.0	687.1	694.3	702.6	706.7
15°	672.7	676.8	687.1	697.4	702.6
17.5°	661.4	665.5	677.9	691.2	696.4
20°	647.0	653.2	667.6	683.0	689.2
22.5°	630.5	638.8	655.2	671.7	678.9
25°	614.1	621.3	640.8	660.4	667.6
27.5°	595.6	603.8	625.4	644.9	652.1
30°	576.0	584.3	606.9	628.5	635.7
32.5°	554.4	564.7	586.3	608.9	617.2
35°	532.8	542.1	566.8	587.3	595.6
37.5°	510.2	518.4	543.1	564.7	572.9
40°	484.5	493.7	518.4	540.0	548.3
42.5°	459.8	469.1	491.7	512.3	519.5
45°	433.1	441.3	463.9	483.5	491.7
47.5°	406.3	415.6	435.1	454.7	462.9
50°	379.6	386.8	406.3	424.8	430.0
52.5°	351.8	358.0	375.4	391.9	399.1
55°	323.0	328.1	344.6	360.0	366.2
57.5°	292.1	298.3	313.7	325.0	332.2
60°	263.3	266.4	279.8	291.1	298.3
62.5°	234.5	235.6	245.8	257.2	261.3
65°	201.6	204.7	214.0	223.2	227.3
67.5°	171.8	174.9	182.1	189.3	192.4
70°	144.0	144.0	151.2	156.4	159.4
72.5°	116.2	117.3	122.4	125.5	128.6
75°	93.6	91.5	95.7	98.7	99.8
77.5°	69.9	68.9	72.0	73.0	75.1
80°	50.4	50.4	51.4	52.5	52.5
82.5°	32.9	32.9	33.9	31.9	30.9
85°	18.5	18.5	16.5	16.5	16.5
87.5°	6.2	6.2	6.2	7.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)