

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: P297812

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297812  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L92765-LD5-UNV-14-T1-W2A-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2753.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

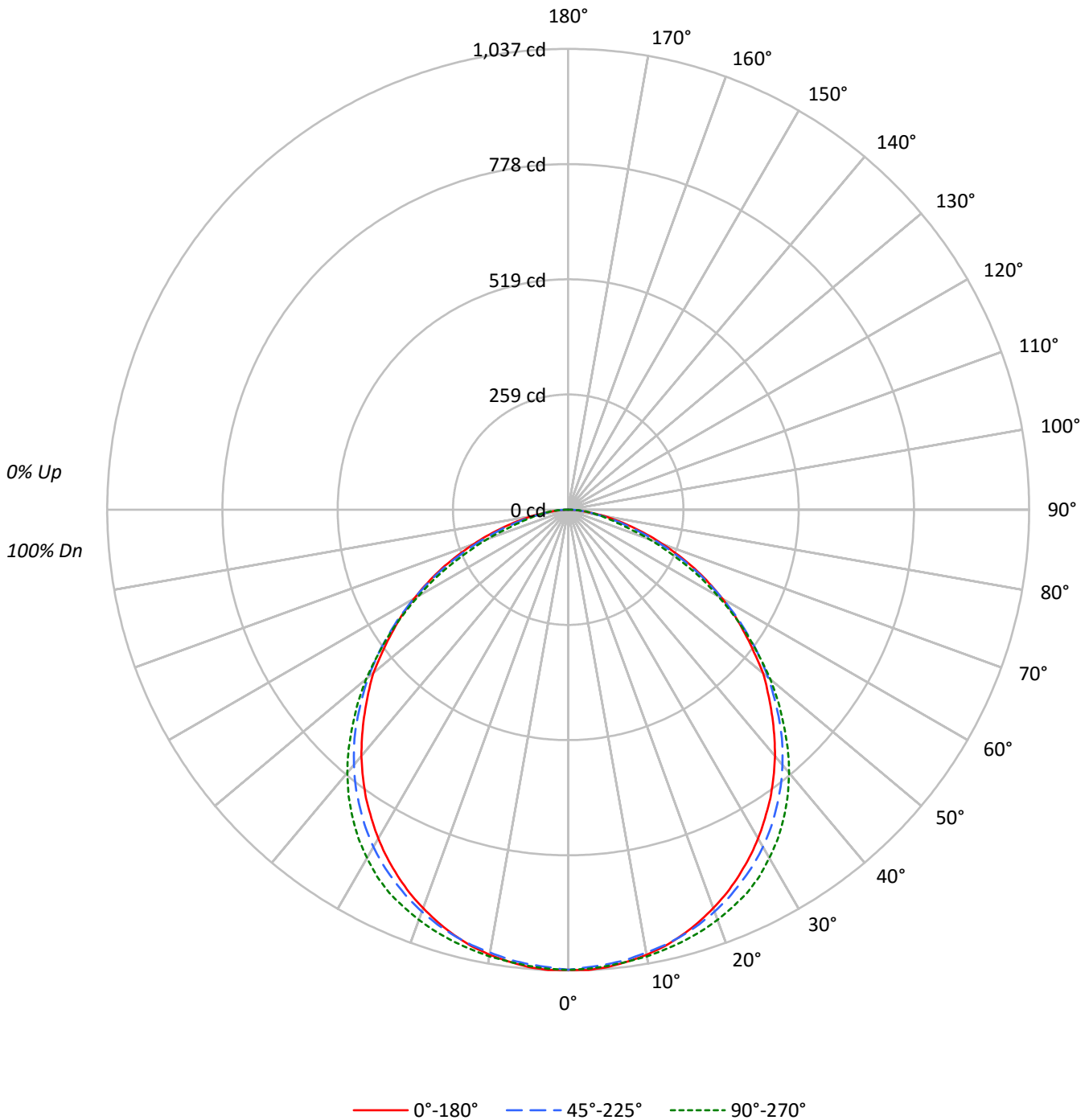
Input Watts (W): 33.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2786	2786	2786
5°	2790	2773	2783
10°	2779	2765	2789
15°	2761	2764	2799
20°	2732	2757	2813
25°	2697	2741	2825
30°	2655	2724	2812
35°	2604	2685	2779
40°	2543	2634	2716
45°	2465	2558	2610
50°	2397	2458	2484
55°	2276	2322	2310
60°	2153	2153	2094
65°	1999	1952	1842
70°	1773	1695	1530
75°	1536	1395	1178
80°	1260	1088	1068
85°	837	988	1065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	3.6
10°-20°	281.0	10.2
20°-30°	427.1	15.5
30°-40°	511.3	18.6
40°-50°	515.8	18.7
50°-60°	439.3	16.0
60°-70°	300.4	10.9
70°-80°	143.8	5.2
80°-90°	36.4	1.3
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°	806.0	29.3
0°-40°	1317.3	47.8
0°-60°	2272.3	82.5
0°-90°	2753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2753.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1033	1032	1027	1032	1030	98
15°	991	989	992	1003	1005	279
25°	908	910	923	944	952	419
35°	793	795	817	841	846	495
45°	648	652	672	686	686	500
55°	485	488	495	496	492	434
65°	314	308	306	296	289	310
75°	148	145	134	117	113	158
85°	27	30	32	33	34	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1036.6	1035.4	1030.4	1035.4	1034.1
5°	1032.9	1031.7	1026.7	1031.7	1030.4
7.5°	1025.5	1024.3	1020.6	1025.5	1025.5
10°	1016.9	1014.4	1012.0	1019.3	1020.6
12.5°	1005.8	1003.3	1003.3	1012.0	1013.2
15°	991.0	988.6	992.3	1003.3	1004.6
17.5°	973.8	972.6	978.7	992.3	994.7
20°	954.1	952.9	962.7	978.7	982.4
22.5°	933.2	933.2	944.3	962.7	967.6
25°	908.5	909.8	923.3	944.3	951.6
27.5°	882.7	885.2	901.2	924.6	930.7
30°	854.4	858.1	876.5	898.7	904.9
32.5°	823.6	827.3	848.2	871.6	877.8
35°	792.8	795.3	817.4	840.8	845.8
37.5°	758.4	762.0	785.4	806.4	811.3
40°	723.9	727.6	749.7	769.4	773.1
42.5°	685.7	690.6	712.8	728.8	731.3
45°	647.6	652.5	672.2	685.7	685.7
47.5°	609.4	611.9	629.1	642.6	641.4
50°	572.5	571.2	587.2	593.4	593.4
52.5°	526.9	530.6	541.7	545.4	541.7
55°	485.1	487.5	494.9	496.1	492.4
57.5°	444.4	443.2	449.4	445.7	440.7
60°	400.1	400.1	400.1	396.4	389.0
62.5°	357.0	354.6	353.3	344.7	341.0
65°	313.9	307.8	306.5	295.5	289.3
67.5°	268.4	265.9	259.8	248.7	237.6
70°	225.3	222.8	215.4	201.9	194.5
72.5°	185.9	183.4	173.6	157.6	147.7
75°	147.7	145.3	134.2	117.0	113.3
77.5°	112.0	110.8	99.7	91.1	89.9
80°	81.3	80.0	70.2	70.2	68.9
82.5°	51.7	51.7	49.2	50.5	51.7
85°	27.1	29.5	32.0	33.2	34.5
87.5°	8.6	13.5	16.0	17.2	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)