

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: P297671

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297671  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2653.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

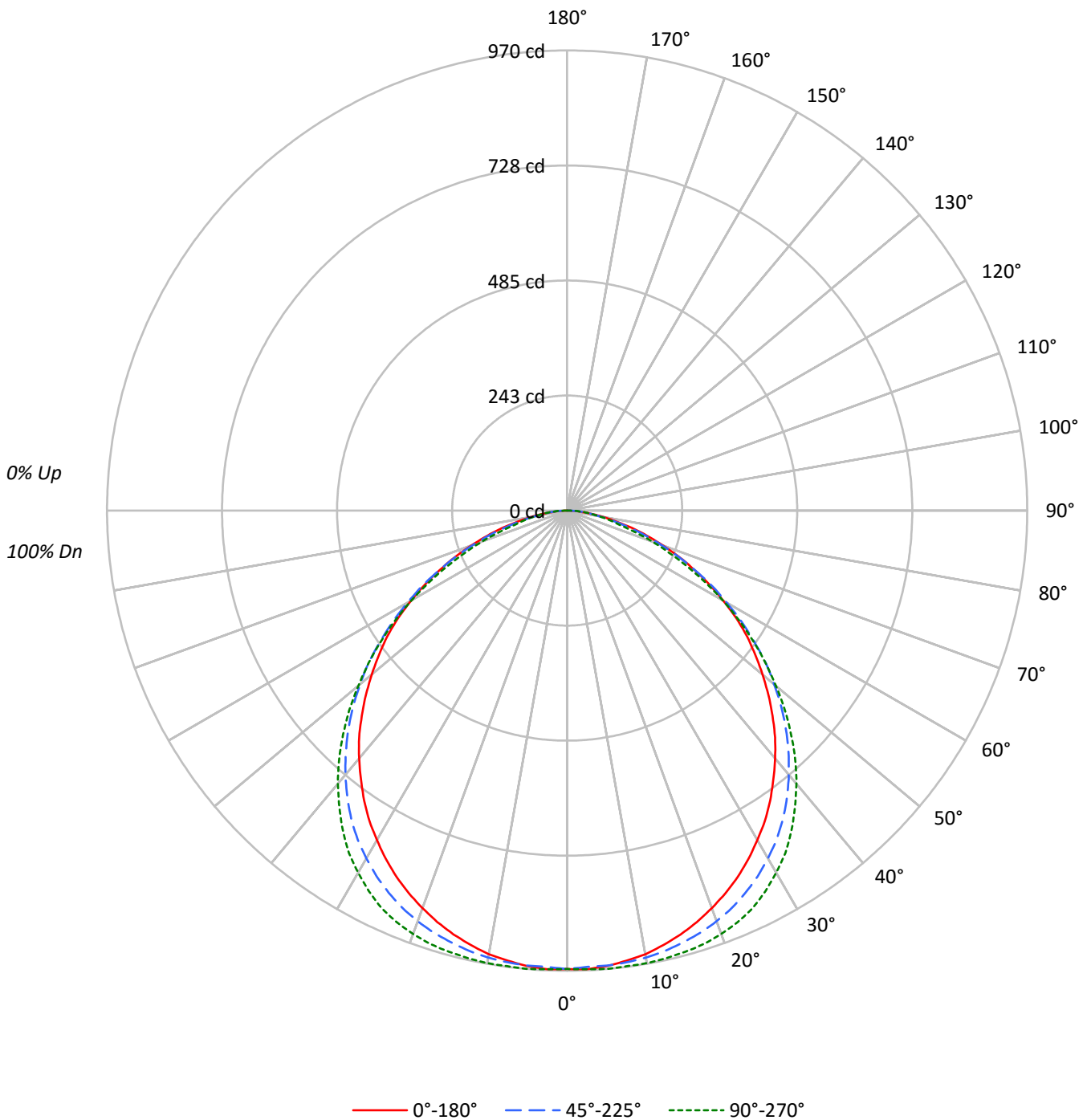
Input Watts (W): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	2600	2600	2600
5°	2604	2601	2620
10°	2595	2615	2647
15°	2577	2626	2682
20°	2554	2638	2720
25°	2528	2641	2746
30°	2491	2631	2738
35°	2451	2606	2708
40°	2396	2554	2642
45°	2330	2483	2542
50°	2251	2385	2405
55°	2172	2256	2244
60°	2046	2090	2040
65°	1885	1892	1787
70°	1686	1649	1500
75°	1465	1367	1157
80°	1175	1065	1065
85°	840	988	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.9	3.5
10°-20°	266.8	10.1
20°-30°	409.6	15.4
30°-40°	493.3	18.6
40°-50°	498.5	18.8
50°-60°	425.2	16.0
60°-70°	291.1	11.0
70°-80°	140.5	5.3
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°	768.3	29.0
0°-40°	1261.6	47.6
0°-60°	2185.3	82.4
0°-90°	2653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2653.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	964	964	963	969	970	92
15°	925	932	943	959	963	261
25°	852	864	889	915	925	392
35°	746	763	793	818	824	466
45°	612	629	652	668	668	472
55°	463	471	481	483	478	412
65°	296	300	297	287	281	294
75°	141	141	132	116	111	150
85°	27	30	32	33	33	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	966.3	966.3	966.3	966.3	966.3
2.5°	967.5	966.3	962.8	967.5	967.5
5°	964.0	964.0	962.8	968.7	969.9
7.5°	956.9	959.2	960.4	967.5	968.7
10°	949.8	952.1	956.9	966.3	968.7
12.5°	937.9	942.7	951.0	964.0	966.3
15°	924.9	932.0	942.7	959.2	962.8
17.5°	909.5	919.0	933.2	952.1	958.1
20°	891.7	902.4	921.3	942.7	949.8
22.5°	872.8	884.6	907.1	932.0	939.1
25°	851.5	864.5	889.4	915.4	924.9
27.5°	827.8	842.0	869.2	896.5	904.8
30°	801.7	817.1	846.7	874.0	881.1
32.5°	775.7	791.1	821.9	847.9	856.2
35°	746.1	762.7	793.4	818.3	824.2
37.5°	714.1	730.7	761.5	786.3	788.7
40°	682.1	698.7	727.1	749.6	752.0
42.5°	649.0	664.4	690.4	709.4	711.7
45°	612.3	628.8	652.5	667.9	667.9
47.5°	575.5	592.1	612.3	622.9	622.9
50°	537.6	553.0	569.6	575.5	574.4
52.5°	499.8	514.0	528.2	529.4	527.0
55°	463.0	471.3	480.8	483.2	478.4
57.5°	422.8	429.9	435.8	432.3	428.7
60°	380.1	387.2	388.4	382.5	379.0
62.5°	338.7	344.6	344.6	335.1	329.2
65°	296.1	299.6	297.2	286.6	280.7
67.5°	255.8	258.2	253.4	242.8	233.3
70°	214.3	215.5	209.6	196.6	190.7
72.5°	176.5	177.6	170.5	155.1	148.0
75°	140.9	140.9	131.5	116.1	111.3
77.5°	105.4	109.0	98.3	90.0	90.0
80°	75.8	79.3	68.7	69.9	68.7
82.5°	49.7	53.3	49.7	49.7	49.7
85°	27.2	29.6	32.0	33.2	33.2
87.5°	8.3	14.2	15.4	16.6	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)