

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: P298118

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298118  
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-35L92765-LD5-UNV-22-T1-W2A-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3109.0 lumens  
Efficiency: N/A  
Efficacy: 106.5 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

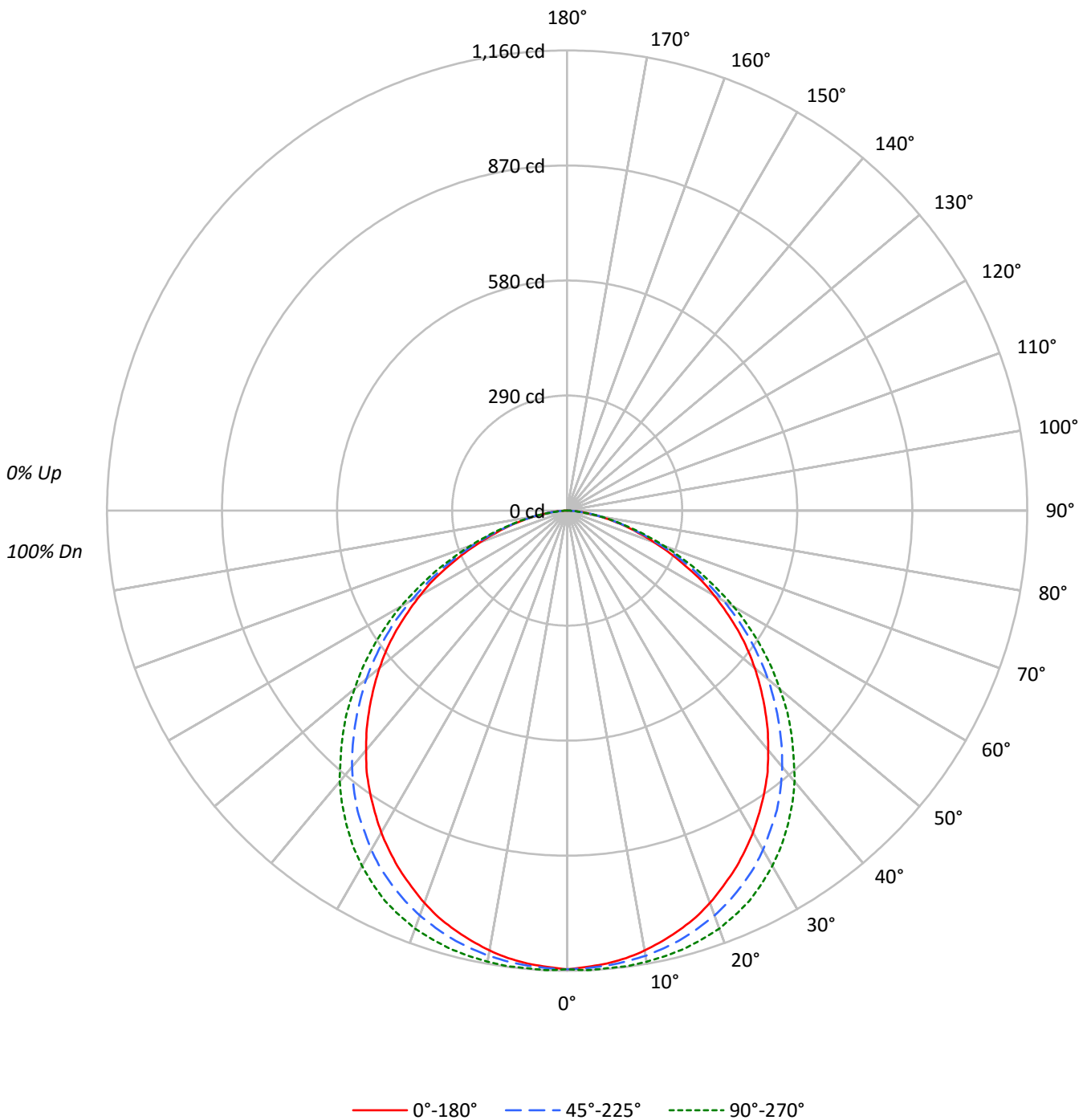
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3112	3112	3112
5°	3096	3110	3128
10°	3077	3114	3155
15°	3049	3114	3184
20°	3014	3110	3211
25°	2966	3096	3225
30°	2912	3068	3214
35°	2848	3029	3183
40°	2769	2963	3133
45°	2681	2872	3044
50°	2585	2767	2928
55°	2465	2630	2795
60°	2306	2450	2612
65°	2089	2216	2355
70°	1843	1936	2041
75°	1583	1618	1687
80°	1271	1297	1322
85°	929	827	827



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	3.5
10°-20°	315.7	10.2
20°-30°	480.1	15.4
30°-40°	574.4	18.5
40°-50°	580.7	18.7
50°-60°	499.8	16.1
60°-70°	345.0	11.1
70°-80°	167.3	5.4
80°-90°	36.3	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°	905.4	29.1
0°-40°	1479.8	47.6
0°-60°	2560.4	82.4
0°-90°	3109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3109.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1146	1148	1151	1156	1158	109
15°	1094	1101	1118	1135	1143	309
25°	999	1011	1043	1074	1086	460
35°	867	882	922	956	969	542
45°	704	718	755	786	800	543
55°	526	534	561	586	596	468
65°	328	333	348	363	370	326
75°	152	149	156	161	162	162
85°	30	30	27	27	27	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1156.4	1156.4	1156.4	1156.4	1156.4
2.5°	1151.3	1151.3	1154.7	1158.0	1159.7
5°	1146.3	1148.0	1151.3	1156.4	1158.0
7.5°	1138.0	1139.6	1146.3	1154.7	1158.0
10°	1126.2	1129.6	1139.6	1149.7	1154.7
12.5°	1111.2	1117.9	1129.6	1143.0	1149.7
15°	1094.4	1101.1	1117.9	1134.6	1143.0
17.5°	1076.0	1082.7	1102.8	1124.6	1132.9
20°	1052.6	1062.7	1086.1	1111.2	1121.2
22.5°	1025.8	1039.2	1066.0	1092.8	1104.5
25°	999.1	1010.8	1042.6	1074.4	1086.1
27.5°	968.9	982.3	1017.5	1049.3	1061.0
30°	937.1	950.5	987.3	1022.5	1034.2
32.5°	902.0	918.7	953.9	990.7	1004.1
35°	866.9	881.9	922.1	955.5	968.9
37.5°	830.0	843.4	883.6	918.7	932.1
40°	788.2	803.3	843.4	878.6	892.0
42.5°	748.0	763.1	799.9	833.4	845.1
45°	704.5	717.9	754.7	786.5	799.9
47.5°	661.0	676.1	707.9	739.7	753.1
50°	617.5	629.2	661.0	691.1	699.5
52.5°	572.3	582.4	610.8	637.6	649.3
55°	525.5	533.8	560.6	585.7	595.8
57.5°	475.3	485.3	510.4	528.8	540.5
60°	428.4	433.4	455.2	473.6	485.3
62.5°	381.6	383.2	400.0	418.4	425.1
65°	328.0	333.0	348.1	363.1	369.8
67.5°	279.5	284.5	296.2	307.9	312.9
70°	234.3	234.3	246.0	254.4	259.4
72.5°	189.1	190.8	199.1	204.2	209.2
75°	152.3	148.9	155.6	160.7	162.3
77.5°	113.8	112.1	117.1	118.8	122.2
80°	82.0	82.0	83.7	85.3	85.3
82.5°	53.6	53.6	55.2	51.9	50.2
85°	30.1	30.1	26.8	26.8	26.8
87.5°	10.0	10.0	10.0	11.7	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)