

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: P297817

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297817  
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-5500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3172.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 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

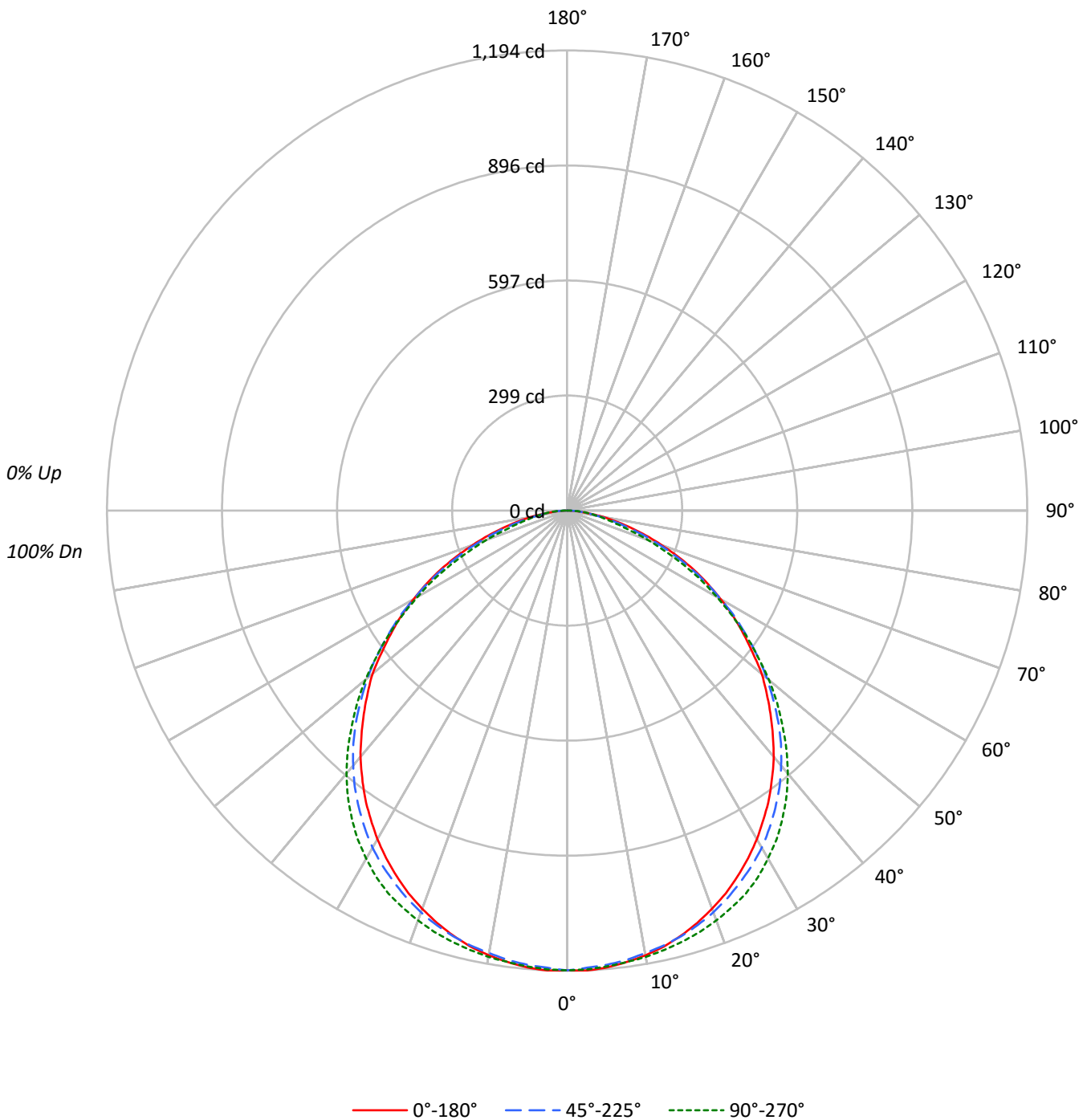
Input Watts (W): 34.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3210	3210	3210
5°	3215	3196	3207
10°	3202	3186	3213
15°	3181	3185	3225
20°	3148	3176	3241
25°	3108	3159	3256
30°	3059	3138	3240
35°	3001	3094	3201
40°	2930	3034	3129
45°	2839	2947	3007
50°	2761	2833	2862
55°	2622	2675	2662
60°	2481	2481	2412
65°	2303	2249	2122
70°	2043	1953	1763
75°	1770	1607	1357
80°	1450	1254	1230
85°	963	1139	1226



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.8	3.6
10°-20°	323.8	10.2
20°-30°	492.1	15.5
30°-40°	589.1	18.6
40°-50°	594.3	18.7
50°-60°	506.2	16.0
60°-70°	346.1	10.9
70°-80°	165.7	5.2
80°-90°	42.0	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°	928.6	29.3
0°-40°	1517.8	47.8
0°-60°	2618.2	82.5
0°-90°	3172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3172.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1190	1189	1183	1189	1187	113
15°	1142	1139	1143	1156	1158	322
25°	1047	1048	1064	1088	1096	482
35°	914	916	942	969	974	571
45°	746	752	774	790	790	576
55°	559	562	570	572	567	500
65°	362	355	353	340	333	357
75°	170	167	155	135	130	182
85°	31	34	37	38	40	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1192.9	1192.9	1192.9	1192.9	1192.9
2.5°	1194.3	1192.9	1187.3	1192.9	1191.5
5°	1190.1	1188.7	1183.0	1188.7	1187.3
7.5°	1181.6	1180.2	1175.9	1181.6	1181.6
10°	1171.7	1168.8	1166.0	1174.5	1175.9
12.5°	1158.9	1156.1	1156.1	1166.0	1167.4
15°	1141.9	1139.0	1143.3	1156.1	1157.5
17.5°	1122.0	1120.6	1127.7	1143.3	1146.1
20°	1099.3	1097.9	1109.2	1127.7	1131.9
22.5°	1075.2	1075.2	1088.0	1109.2	1114.9
25°	1046.8	1048.2	1063.8	1088.0	1096.5
27.5°	1017.0	1019.9	1038.3	1065.3	1072.4
30°	984.4	988.7	1009.9	1035.5	1042.6
32.5°	949.0	953.2	977.3	1004.3	1011.4
35°	913.5	916.3	941.9	968.8	974.5
37.5°	873.8	878.0	905.0	929.1	934.8
40°	834.1	838.3	863.8	886.5	890.8
42.5°	790.1	795.8	821.3	839.7	842.6
45°	746.1	751.8	774.5	790.1	790.1
47.5°	702.1	705.0	724.8	740.4	739.0
50°	659.6	658.2	676.6	683.7	683.7
52.5°	607.1	611.4	624.1	628.4	624.1
55°	558.9	561.7	570.2	571.6	567.4
57.5°	512.1	510.6	517.7	513.5	507.8
60°	461.0	461.0	461.0	456.7	448.2
62.5°	411.4	408.5	407.1	397.2	392.9
65°	361.7	354.6	353.2	340.4	333.3
67.5°	309.2	306.4	299.3	286.5	273.8
70°	259.6	256.7	248.2	232.6	224.1
72.5°	214.2	211.4	200.0	181.6	170.2
75°	170.2	167.4	154.6	134.8	130.5
77.5°	129.1	127.7	114.9	105.0	103.5
80°	93.6	92.2	80.9	80.9	79.4
82.5°	59.6	59.6	56.7	58.2	59.6
85°	31.2	34.0	36.9	38.3	39.7
87.5°	9.9	15.6	18.4	19.9	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)