

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: P297182

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297182  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-31L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2575.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

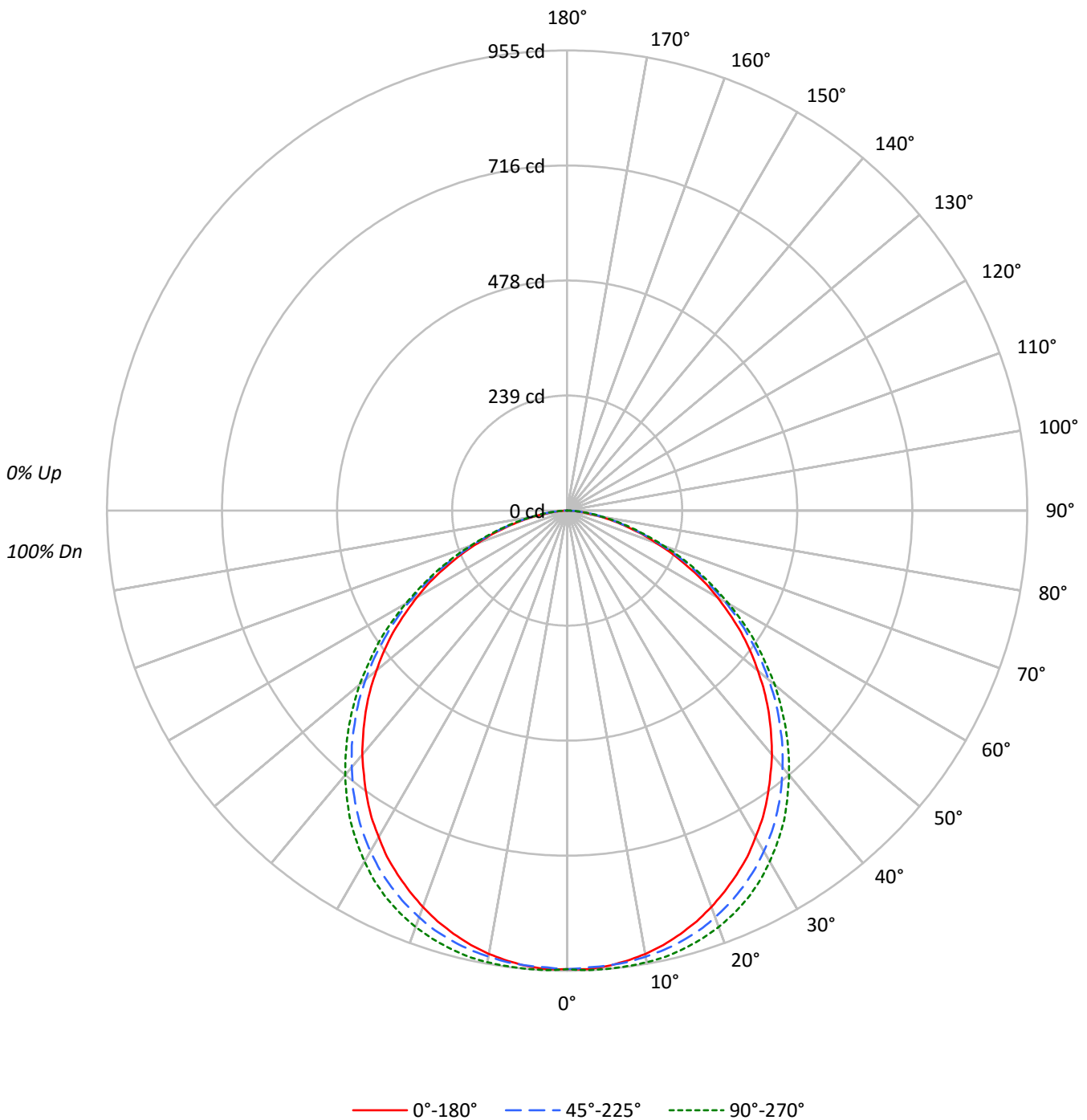
Input Watts (W): 21.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	47	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	26

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

	0°	45°	90°
0°	1281	1281	1281
5°	1282	1281	1289
10°	1277	1284	1301
15°	1267	1288	1311
20°	1253	1286	1317
25°	1237	1280	1317
30°	1215	1268	1307
35°	1191	1250	1289
40°	1162	1222	1259
45°	1125	1186	1222
50°	1081	1143	1178
55°	1034	1086	1121
60°	968	1018	1042
65°	884	931	954
70°	777	816	838
75°	657	690	714
80°	521	572	586
85°	357	428	412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.4	3.5
10°-20°	261.1	10.1
20°-30°	396.8	15.4
30°-40°	473.5	18.4
40°-50°	478.3	18.6
50°-60°	412.0	16.0
60°-70°	287.2	11.2
70°-80°	142.3	5.5
80°-90°	33.2	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°	748.4	29.1
0°-40°	1221.9	47.5
0°-60°	2112.2	82.0
0°-90°	2575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2575.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	949	948	948	953	955	90
15°	910	914	924	936	941	257
25°	833	844	862	880	887	384
35°	725	737	761	778	785	453
45°	591	604	624	638	642	456
55°	441	450	463	474	478	393
65°	278	283	292	295	300	276
75°	126	128	133	136	137	136
85°	23	28	28	26	27	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	951.9	951.9	951.9	951.9	951.9
2.5°	952.8	951.0	949.2	952.8	954.7
5°	949.2	948.2	948.2	952.8	954.7
7.5°	942.7	942.7	945.5	951.9	953.8
10°	934.4	936.2	939.9	949.2	951.9
12.5°	923.3	927.0	933.5	944.5	948.2
15°	909.5	914.1	924.3	936.2	940.9
17.5°	893.8	900.3	913.2	927.0	931.6
20°	875.4	883.7	898.4	914.1	919.6
22.5°	855.1	865.2	881.8	898.4	904.9
25°	832.9	844.0	862.4	880.0	887.4
27.5°	809.9	820.9	841.2	858.8	866.1
30°	782.2	795.1	816.3	834.8	841.2
32.5°	755.5	768.4	790.5	807.1	813.6
35°	725.0	737.0	761.0	778.5	785.0
37.5°	692.7	706.6	729.6	745.3	750.8
40°	661.4	673.4	695.5	711.2	716.7
42.5°	626.3	639.2	661.4	675.2	679.8
45°	591.3	604.2	623.5	638.3	642.0
47.5°	555.3	567.3	586.7	598.6	602.3
50°	516.5	527.6	546.1	558.1	562.7
52.5°	479.7	489.8	505.5	515.6	518.4
55°	440.9	450.1	463.0	474.1	477.8
57.5°	399.4	409.5	421.5	430.8	433.5
60°	359.7	368.0	378.2	386.5	387.4
62.5°	321.0	324.7	333.9	341.3	342.2
65°	277.6	283.2	292.4	295.2	299.8
67.5°	238.0	241.7	249.0	252.7	256.4
70°	197.4	200.2	207.5	212.2	213.1
72.5°	162.3	163.3	168.8	172.5	173.4
75°	126.4	128.2	132.8	135.6	137.4
77.5°	95.9	97.8	101.5	103.3	103.3
80°	67.3	70.1	73.8	74.7	75.6
82.5°	43.4	47.0	49.8	50.7	48.9
85°	23.1	27.7	27.7	25.8	26.7
87.5°	8.3	10.1	11.1	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)