

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: P297179

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297179  
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-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2284.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

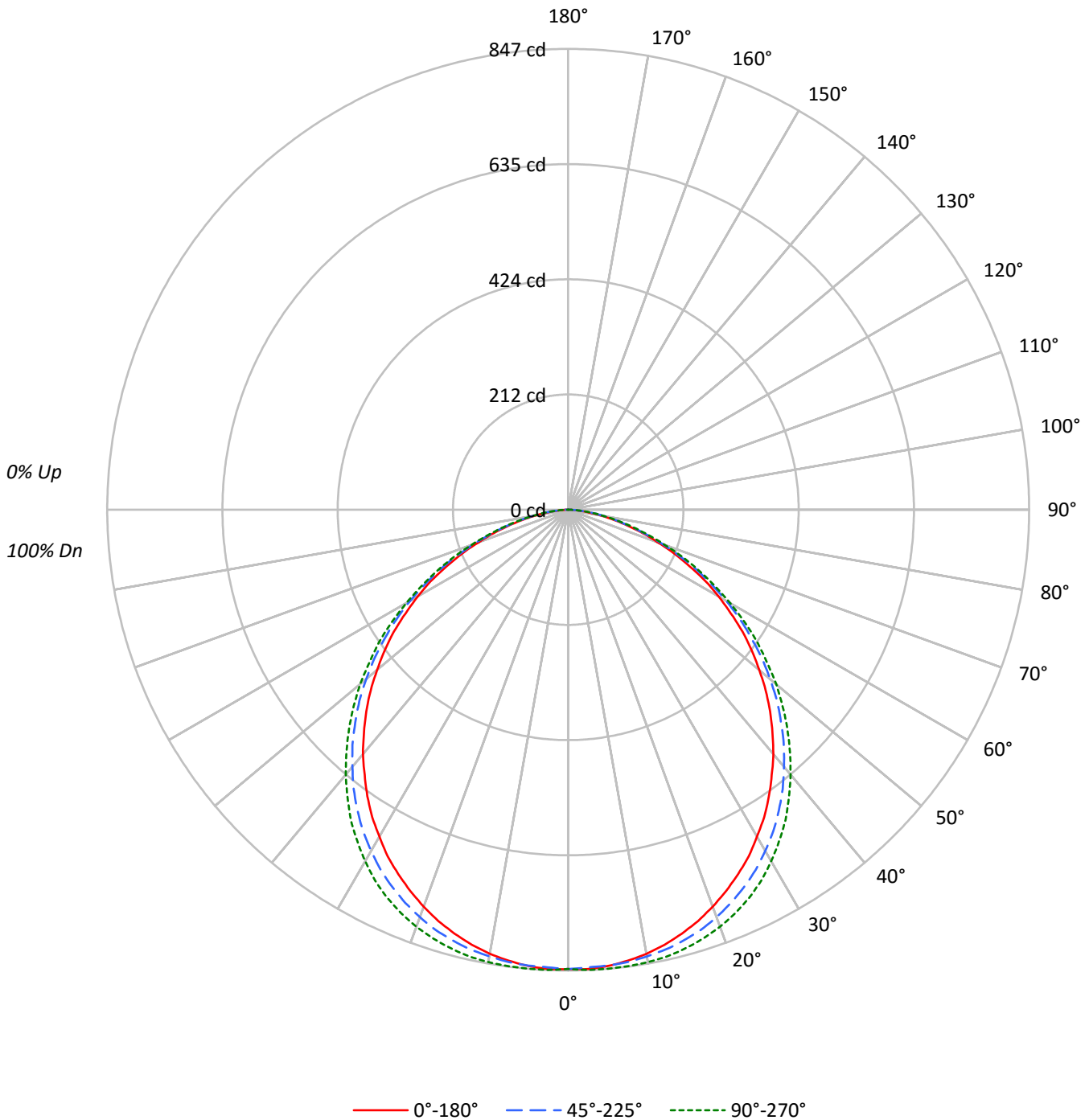
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1136	1136	1136
5°	1137	1136	1144
10°	1132	1139	1154
15°	1124	1142	1162
20°	1112	1141	1168
25°	1097	1136	1169
30°	1078	1125	1159
35°	1056	1109	1144
40°	1030	1084	1117
45°	998	1052	1083
50°	959	1014	1045
55°	917	963	994
60°	859	903	925
65°	784	826	847
70°	689	724	744
75°	583	612	634
80°	463	508	520
85°	316	378	366



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	3.5
10°-20°	231.6	10.1
20°-30°	352.0	15.4
30°-40°	420.0	18.4
40°-50°	424.2	18.6
50°-60°	365.5	16.0
60°-70°	254.8	11.2
70°-80°	126.3	5.5
80°-90°	29.4	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°	663.8	29.1
0°-40°	1083.9	47.5
0°-60°	1873.5	82.0
0°-90°	2284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	842	841	841	845	847	80
15°	807	811	820	830	834	228
25°	739	749	765	780	787	340
35°	643	654	675	690	696	402
45°	524	536	553	566	569	404
55°	391	399	411	420	424	349
65°	246	251	259	262	266	245
75°	112	114	118	120	122	121
85°	20	24	24	23	24	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	844.3	844.3	844.3	844.3	844.3
2.5°	845.2	843.5	841.9	845.2	846.8
5°	841.9	841.1	841.1	845.2	846.8
7.5°	836.2	836.2	838.6	844.3	846.0
10°	828.8	830.4	833.7	841.9	844.3
12.5°	819.0	822.3	828.0	837.8	841.1
15°	806.7	810.8	819.8	830.4	834.5
17.5°	792.8	798.5	810.0	822.3	826.3
20°	776.4	783.8	796.9	810.8	815.7
22.5°	758.4	767.4	782.2	796.9	802.6
25°	738.8	748.6	765.0	780.5	787.1
27.5°	718.3	728.2	746.2	761.7	768.3
30°	693.8	705.3	724.1	740.4	746.2
32.5°	670.1	681.5	701.2	715.9	721.6
35°	643.1	653.7	675.0	690.5	696.3
37.5°	614.4	626.7	647.2	661.1	666.0
40°	586.6	597.3	616.9	630.8	635.7
42.5°	555.5	567.0	586.6	598.9	603.0
45°	524.4	535.9	553.1	566.2	569.4
47.5°	492.5	503.2	520.4	531.0	534.3
50°	458.2	468.0	484.4	495.0	499.1
52.5°	425.4	434.4	448.4	457.4	459.8
55°	391.1	399.3	410.7	420.5	423.8
57.5°	354.3	363.3	373.9	382.1	384.5
60°	319.1	326.4	335.4	342.8	343.6
62.5°	284.7	288.0	296.2	302.7	303.5
65°	246.3	251.2	259.4	261.8	265.9
67.5°	211.1	214.4	220.9	224.2	227.4
70°	175.1	177.5	184.1	188.2	189.0
72.5°	144.0	144.8	149.7	153.0	153.8
75°	112.1	113.7	117.8	120.3	121.9
77.5°	85.1	86.7	90.0	91.6	91.6
80°	59.7	62.2	65.5	66.3	67.1
82.5°	38.5	41.7	44.2	45.0	43.4
85°	20.5	24.5	24.5	22.9	23.7
87.5°	7.4	9.0	9.8	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)