

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: P298262

Luminaire Tested: **D3X-WG-25L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-3500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1979.0 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

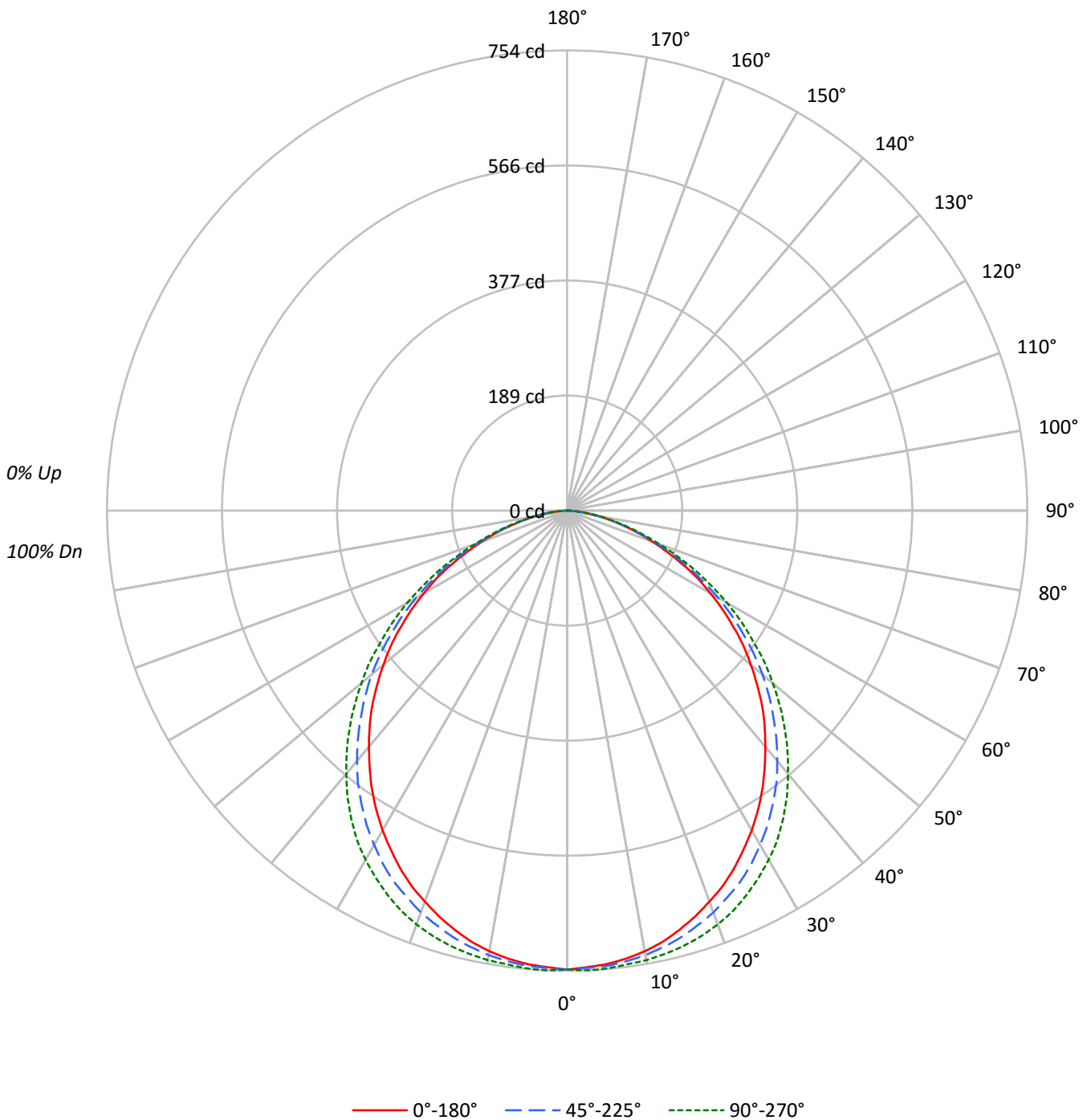
Input Watts (W): 18.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2024	2024	2024
5°	2015	2023	2034
10°	2003	2021	2044
15°	1981	2016	2057
20°	1952	2006	2066
25°	1921	1993	2064
30°	1880	1965	2053
35°	1832	1929	2026
40°	1775	1882	1978
45°	1719	1819	1919
50°	1644	1750	1842
55°	1562	1651	1740
60°	1459	1538	1628
65°	1331	1391	1472
70°	1165	1215	1264
75°	994	1016	1059
80°	798	814	831
85°	584	553	519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.2	3.6
10°-20°	204.3	10.3
20°-30°	308.9	15.6
30°-40°	366.9	18.5
40°-50°	368.3	18.6
50°-60°	314.6	15.9
60°-70°	216.7	11.0
70°-80°	105.1	5.3
80°-90°	23.0	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°	584.4	29.5
0°-40°	951.2	48.1
0°-60°	1634.1	82.6
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	746	746	749	751	753	71
15°	711	714	724	733	738	200
25°	647	652	671	689	695	298
35°	558	566	587	609	617	348
45°	452	458	478	498	504	348
55°	333	338	352	367	371	298
65°	209	209	218	228	231	207
75°	96	94	98	100	102	103
85°	19	19	18	17	17	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	752.1	752.1	752.1	752.1	752.1
2.5°	748.9	748.9	750.0	753.1	754.2
5°	745.8	745.8	748.9	751.0	753.1
7.5°	740.5	741.6	744.7	748.9	750.0
10°	733.2	734.2	739.5	744.7	747.9
12.5°	723.7	725.8	732.1	740.5	743.7
15°	711.1	714.3	723.7	733.2	738.4
17.5°	697.4	701.6	712.2	725.8	731.1
20°	681.7	686.9	700.6	715.3	721.6
22.5°	665.9	670.1	685.9	702.7	710.1
25°	647.0	652.3	671.2	689.0	695.3
27.5°	626.0	633.4	653.3	672.2	678.5
30°	605.0	611.3	632.3	653.3	660.7
32.5°	581.9	588.2	611.3	632.3	640.7
35°	557.7	566.1	587.2	609.2	616.6
37.5°	531.5	540.9	563.0	581.9	591.4
40°	505.2	513.6	535.7	555.6	563.0
42.5°	479.0	486.3	507.3	528.3	534.6
45°	451.7	458.0	477.9	497.9	504.2
47.5°	422.2	429.6	448.5	465.3	472.7
50°	392.8	400.2	418.0	433.8	440.1
52.5°	364.5	368.7	385.5	400.2	407.5
55°	333.0	338.2	351.9	366.6	370.8
57.5°	302.5	305.7	319.3	331.9	338.2
60°	271.0	273.1	285.7	295.2	302.5
62.5°	241.6	241.6	251.0	261.5	265.7
65°	209.0	209.0	218.5	227.9	231.1
67.5°	177.5	179.6	185.9	193.3	195.4
70°	148.1	148.1	154.4	159.7	160.7
72.5°	121.8	120.8	123.9	128.1	130.2
75°	95.6	93.5	97.7	99.8	101.9
77.5°	72.5	71.4	73.5	75.6	75.6
80°	51.5	50.4	52.5	52.5	53.6
82.5°	33.6	34.7	34.7	33.6	32.6
85°	18.9	18.9	17.9	16.8	16.8
87.5°	6.3	6.3	6.3	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)