

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: P298259

Luminaire Tested: **D3X-WG-20L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298259  
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-20L92765-LD5-UNV-22-T1-W2A-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1786.0 lumens  
Efficiency: N/A  
Efficacy: 110.2 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

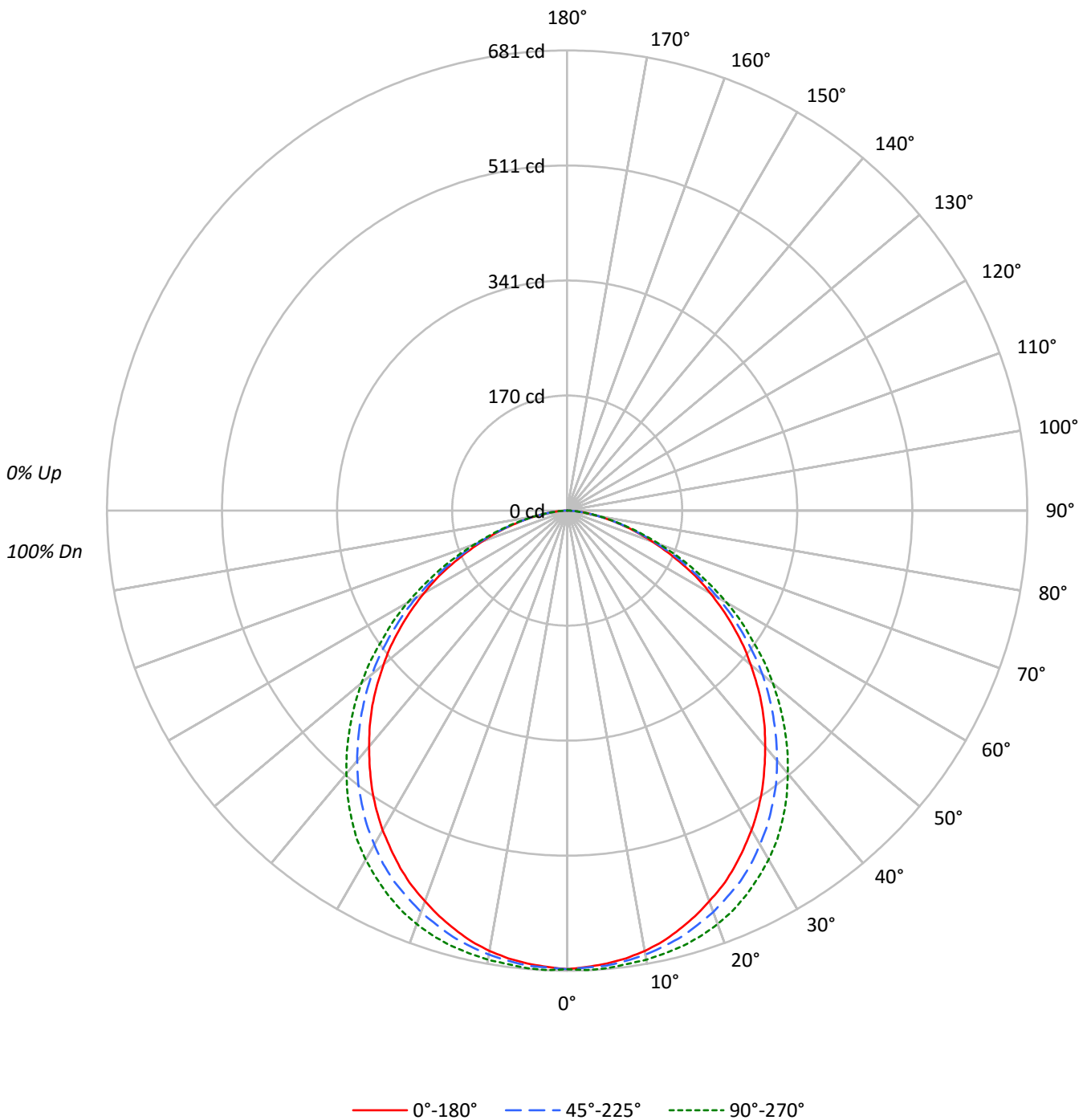
Input Watts (W): 16.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1826	1826	1826
5°	1818	1826	1836
10°	1808	1823	1844
15°	1788	1819	1857
20°	1762	1811	1865
25°	1734	1798	1863
30°	1697	1773	1853
35°	1654	1741	1828
40°	1602	1698	1785
45°	1551	1641	1732
50°	1484	1580	1663
55°	1410	1490	1570
60°	1316	1387	1469
65°	1201	1256	1328
70°	1052	1096	1141
75°	897	917	955
80°	719	735	748
85°	528	497	469



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	3.6
10°-20°	184.4	10.3
20°-30°	278.7	15.6
30°-40°	331.1	18.5
40°-50°	332.4	18.6
50°-60°	283.9	15.9
60°-70°	195.6	11.0
70°-80°	94.9	5.3
80°-90°	20.8	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°	527.4	29.5
0°-40°	858.5	48.1
0°-60°	1474.8	82.6
0°-90°	1786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	673	673	676	678	680	64
15°	642	645	653	662	666	181
25°	584	589	606	622	628	269
35°	503	511	530	550	556	314
45°	408	413	431	449	455	314
55°	300	305	318	331	335	269
65°	189	189	197	206	208	187
75°	86	84	88	90	92	93
85°	17	17	16	15	15	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	678.7	678.7	678.7	678.7	678.7
2.5°	675.9	675.9	676.8	679.7	680.6
5°	673.0	673.0	675.9	677.8	679.7
7.5°	668.3	669.2	672.1	675.9	676.8
10°	661.7	662.6	667.3	672.1	674.9
12.5°	653.1	655.0	660.7	668.3	671.1
15°	641.8	644.6	653.1	661.7	666.4
17.5°	629.4	633.2	642.7	655.0	659.8
20°	615.2	619.9	632.3	645.5	651.2
22.5°	601.0	604.8	619.0	634.2	640.8
25°	583.9	588.7	605.7	621.8	627.5
27.5°	565.0	571.6	589.6	606.7	612.4
30°	546.0	551.7	570.7	589.6	596.3
32.5°	525.2	530.8	551.7	570.7	578.2
35°	503.4	510.9	529.9	549.8	556.4
37.5°	479.7	488.2	508.1	525.2	533.7
40°	456.0	463.5	483.4	501.5	508.1
42.5°	432.3	438.9	457.9	476.8	482.5
45°	407.6	413.3	431.3	449.3	455.0
47.5°	381.1	387.7	404.8	419.9	426.6
50°	354.5	361.2	377.3	391.5	397.2
52.5°	328.9	332.7	347.9	361.2	367.8
55°	300.5	305.2	317.6	330.8	334.6
57.5°	273.0	275.8	288.2	299.5	305.2
60°	244.6	246.5	257.8	266.4	273.0
62.5°	218.0	218.0	226.6	236.0	239.8
65°	188.6	188.6	197.2	205.7	208.5
67.5°	160.2	162.1	167.8	174.4	176.3
70°	133.7	133.7	139.3	144.1	145.0
72.5°	110.0	109.0	111.9	115.6	117.5
75°	86.3	84.4	88.2	90.1	91.9
77.5°	65.4	64.5	66.4	68.3	68.3
80°	46.4	45.5	47.4	47.4	48.3
82.5°	30.3	31.3	31.3	30.3	29.4
85°	17.1	17.1	16.1	15.2	15.2
87.5°	5.7	5.7	5.7	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)