

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: P298422

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-20L92765-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1772.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

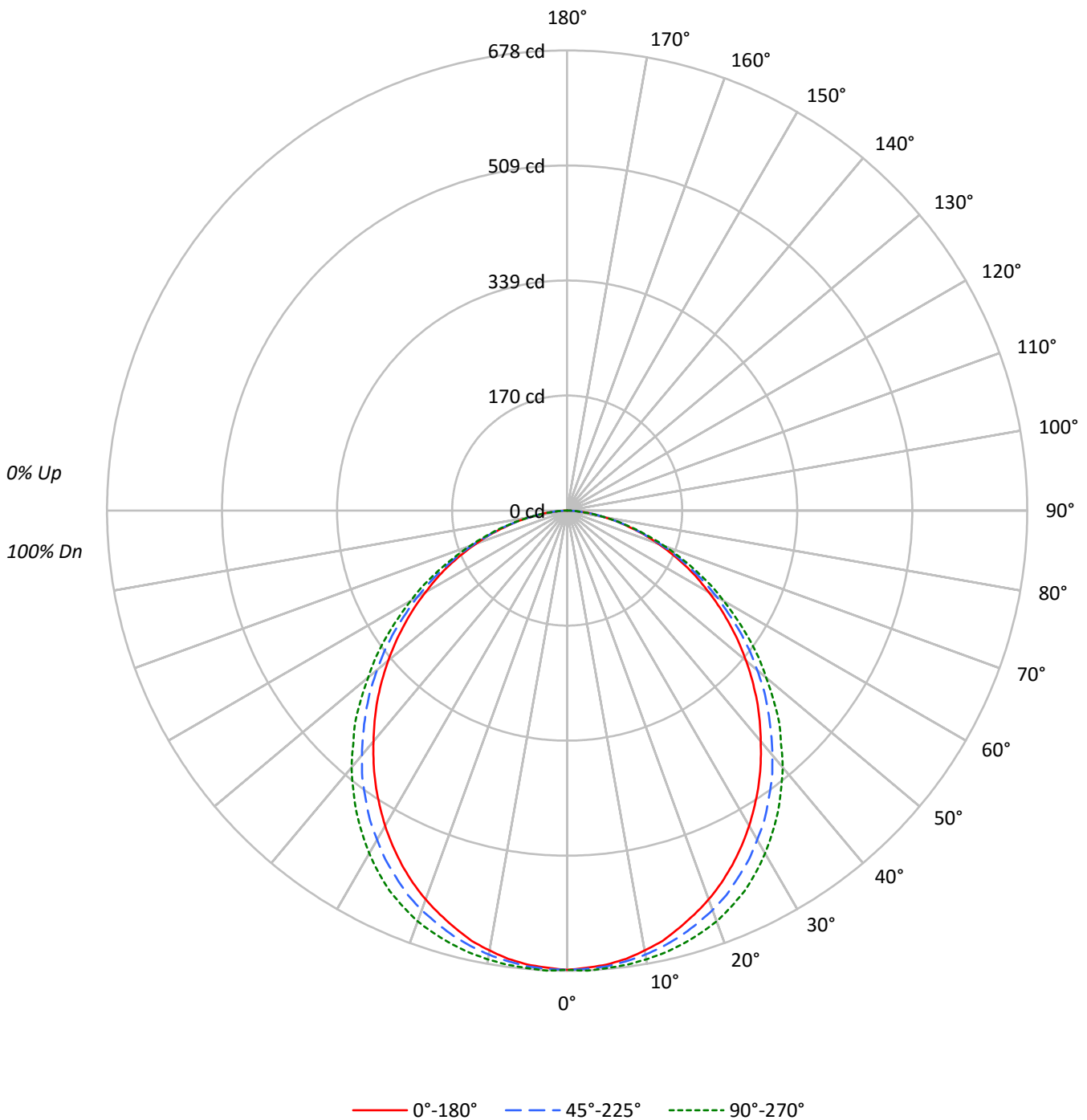
Input Watts (W): 15.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	48	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	31	43	35	30	41	35	30	40	34	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°	1821	1821	1821
5°	1814	1821	1828
10°	1799	1815	1835
15°	1775	1807	1841
20°	1746	1794	1844
25°	1711	1771	1836
30°	1667	1741	1812
35°	1617	1701	1780
40°	1559	1652	1736
45°	1504	1595	1682
50°	1441	1529	1603
55°	1374	1457	1528
60°	1297	1372	1434
65°	1224	1270	1331
70°	1124	1159	1201
75°	1000	1027	1055
80°	862	848	848
85°	655	599	543



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	3.6
10°-20°	183.0	10.3
20°-30°	274.7	15.5
30°-40°	323.3	18.2
40°-50°	322.5	18.2
50°-60°	276.8	15.6
60°-70°	198.2	11.2
70°-80°	105.0	5.9
80°-90°	24.6	1.4
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°	521.7	29.4
0°-40°	845.0	47.7
0°-60°	1444.3	81.5
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	671	671	674	676	677	64
15°	637	640	648	657	661	180
25°	576	581	596	611	618	265
35°	492	498	518	536	542	308
45°	395	401	419	434	442	305
55°	293	297	311	321	326	262
65°	192	193	199	207	209	190
75°	96	96	99	101	102	103
85°	21	20	19	18	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	676.7	676.7	676.7	676.7	676.7
2.5°	674.1	674.1	675.8	677.6	678.5
5°	671.4	671.4	674.1	675.8	676.7
7.5°	666.1	666.1	669.7	673.2	674.9
10°	658.2	659.9	664.4	669.7	671.4
12.5°	649.4	651.1	657.3	664.4	667.0
15°	637.0	639.7	648.5	657.3	660.8
17.5°	623.8	627.3	637.9	648.5	652.9
20°	609.7	613.2	626.4	638.8	644.1
22.5°	593.8	598.2	613.2	626.4	631.7
25°	576.1	581.4	596.4	611.4	618.5
27.5°	556.7	562.9	579.7	595.5	601.7
30°	536.4	543.5	560.2	577.0	583.2
32.5°	514.4	520.5	540.8	556.7	562.9
35°	492.3	498.5	517.9	535.5	541.7
37.5°	468.5	476.4	495.8	511.7	517.9
40°	443.8	451.7	470.3	488.8	494.1
42.5°	420.0	427.0	444.7	461.4	466.7
45°	395.3	401.4	419.1	434.1	442.0
47.5°	369.7	375.9	393.5	407.6	412.0
50°	344.1	350.3	365.3	377.6	382.9
52.5°	318.5	324.7	338.8	350.3	355.6
55°	292.9	297.3	310.6	321.2	325.6
57.5°	267.3	270.9	281.4	292.9	295.6
60°	240.9	245.3	255.0	262.9	266.4
62.5°	217.0	218.8	227.6	234.7	239.1
65°	192.3	193.2	199.4	207.3	209.1
67.5°	166.8	167.6	173.8	178.2	180.0
70°	142.9	142.9	147.3	150.9	152.6
72.5°	120.0	119.1	121.8	125.3	127.0
75°	96.2	96.2	98.8	100.6	101.5
77.5°	75.9	74.1	75.9	77.6	77.6
80°	55.6	54.7	54.7	55.6	54.7
82.5°	37.9	37.1	37.9	36.2	35.3
85°	21.2	20.3	19.4	17.6	17.6
87.5°	7.1	6.2	6.2	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)