

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: P298424

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298424  
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-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1854.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 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

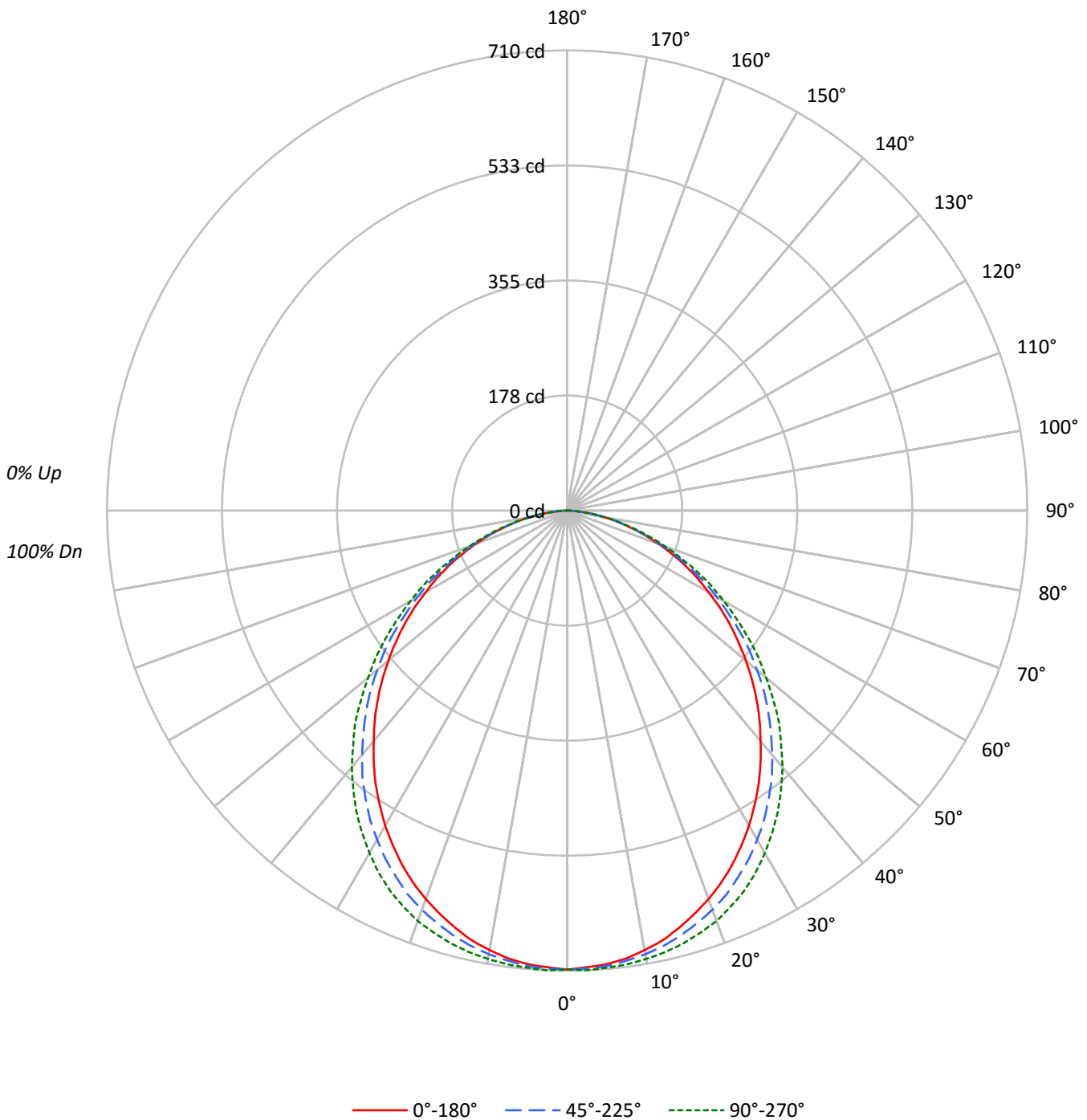
Input Watts (W): 15.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1905	1905	1905
5°	1898	1905	1912
10°	1882	1899	1920
15°	1857	1890	1926
20°	1827	1877	1930
25°	1790	1853	1921
30°	1744	1821	1896
35°	1692	1780	1862
40°	1631	1728	1816
45°	1574	1669	1760
50°	1507	1600	1677
55°	1438	1524	1598
60°	1356	1436	1500
65°	1281	1328	1393
70°	1176	1213	1257
75°	1046	1075	1104
80°	902	886	886
85°	685	627	571



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.0	3.6
10°-20°	191.4	10.3
20°-30°	287.4	15.5
30°-40°	338.3	18.2
40°-50°	337.4	18.2
50°-60°	289.6	15.6
60°-70°	207.4	11.2
70°-80°	109.8	5.9
80°-90°	25.7	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°	545.9	29.4
0°-40°	884.1	47.7
0°-60°	1511.1	81.5
0°-90°	1854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	702	702	705	707	708	67
15°	666	669	678	688	691	188
25°	603	608	624	640	647	277
35°	515	522	542	560	567	322
45°	414	420	438	454	462	319
55°	306	311	325	336	341	274
65°	201	202	209	217	219	199
75°	101	101	103	105	106	108
85°	22	21	20	18	18	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	708.0	708.0	708.0	708.0	708.0
2.5°	705.3	705.3	707.1	708.9	709.9
5°	702.5	702.5	705.3	707.1	708.0
7.5°	696.9	696.9	700.6	704.3	706.2
10°	688.6	690.5	695.1	700.6	702.5
12.5°	679.4	681.3	687.7	695.1	697.9
15°	666.5	669.3	678.5	687.7	691.4
17.5°	652.6	656.3	667.4	678.5	683.1
20°	637.9	641.6	655.4	668.3	673.9
22.5°	621.3	625.9	641.6	655.4	660.9
25°	602.8	608.3	624.0	639.7	647.1
27.5°	582.5	588.9	606.5	623.1	629.6
30°	561.3	568.6	586.2	603.7	610.2
32.5°	538.2	544.6	565.9	582.5	588.9
35°	515.1	521.6	541.9	560.3	566.8
37.5°	490.2	498.5	518.8	535.4	541.9
40°	464.3	472.6	492.0	511.4	516.9
42.5°	439.4	446.8	465.2	482.8	488.3
45°	413.6	420.0	438.5	454.2	462.5
47.5°	386.8	393.2	411.7	426.5	431.1
50°	360.0	366.5	382.2	395.1	400.6
52.5°	333.2	339.7	354.5	366.5	372.0
55°	306.5	311.1	324.9	336.0	340.6
57.5°	279.7	283.4	294.5	306.5	309.2
60°	252.0	256.6	266.8	275.1	278.8
62.5°	227.1	228.9	238.2	245.5	250.2
65°	201.2	202.2	208.6	216.9	218.8
67.5°	174.5	175.4	181.9	186.5	188.3
70°	149.5	149.5	154.2	157.9	159.7
72.5°	125.5	124.6	127.4	131.1	132.9
75°	100.6	100.6	103.4	105.2	106.2
77.5°	79.4	77.5	79.4	81.2	81.2
80°	58.2	57.2	57.2	58.2	57.2
82.5°	39.7	38.8	39.7	37.8	36.9
85°	22.2	21.2	20.3	18.5	18.5
87.5°	7.4	6.5	6.5	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)