

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: P297544

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7306.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

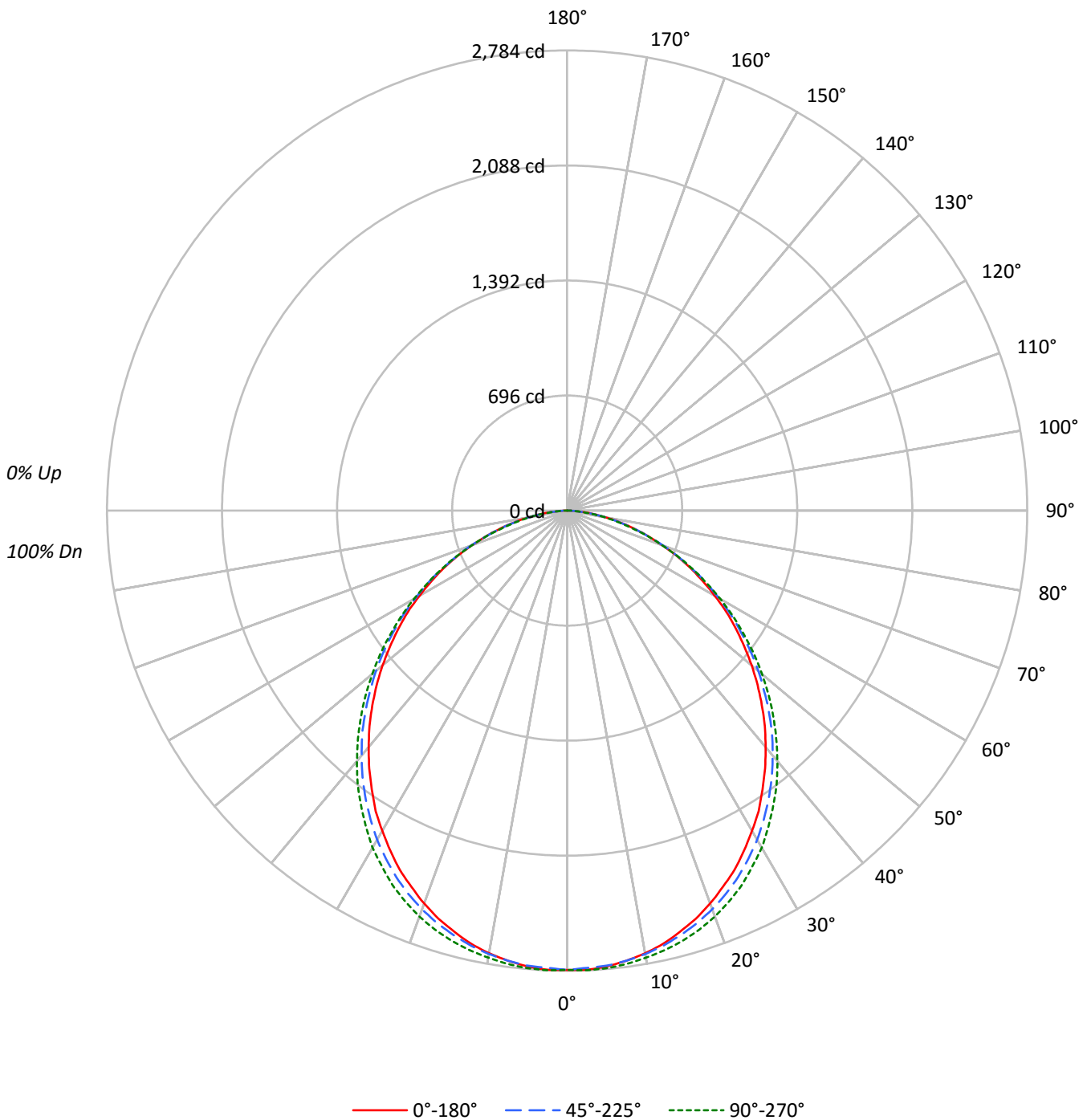
Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

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

	0°	45°	90°
0°	3739	3739	3739
5°	3740	3733	3753
10°	3716	3722	3753
15°	3675	3702	3754
20°	3623	3676	3742
25°	3559	3632	3712
30°	3476	3571	3659
35°	3384	3493	3574
40°	3281	3398	3475
45°	3170	3287	3358
50°	3050	3163	3220
55°	2921	3014	3060
60°	2775	2848	2881
65°	2617	2656	2672
70°	2401	2430	2401
75°	2162	2150	2086
80°	1831	1812	1754
85°	1368	1329	1178



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.1	3.6
10°-20°	751.5	10.3
20°-30°	1126.8	15.4
30°-40°	1327.0	18.2
40°-50°	1327.2	18.2
50°-60°	1145.1	15.7
60°-70°	824.0	11.3
70°-80°	437.1	6.0
80°-90°	104.2	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°	2141.4	29.3
0°-40°	3468.4	47.5
0°-60°	5940.7	81.3
0°-90°	7306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2779	2779	2779	2779	2779	
5°	2769	2766	2764	2774	2779	263
15°	2638	2646	2658	2685	2695	744
25°	2397	2412	2446	2488	2500	1103
35°	2060	2085	2126	2163	2176	1289
45°	1666	1688	1728	1757	1765	1285
55°	1245	1258	1285	1307	1304	1114
65°	822	824	834	839	839	813
75°	416	411	414	404	401	442
85°	89	89	86	79	76	107
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2778.6	2778.6	2778.6	2778.6	2778.6
2.5°	2781.1	2776.1	2768.8	2778.6	2783.5
5°	2768.8	2766.3	2763.8	2773.7	2778.6
7.5°	2746.6	2749.1	2746.6	2761.4	2766.3
10°	2719.5	2722.0	2724.5	2741.7	2746.6
12.5°	2685.1	2687.5	2694.9	2717.1	2724.5
15°	2638.3	2645.7	2658.0	2685.1	2694.9
17.5°	2589.1	2598.9	2616.2	2648.2	2658.0
20°	2530.0	2542.3	2567.0	2601.4	2613.7
22.5°	2463.6	2475.9	2510.3	2547.3	2559.6
25°	2397.1	2411.9	2446.4	2488.2	2500.5
27.5°	2318.4	2338.1	2375.0	2416.8	2426.7
30°	2237.2	2254.4	2298.7	2338.1	2355.3
32.5°	2155.9	2173.2	2215.0	2254.4	2266.7
35°	2060.0	2084.6	2126.4	2163.3	2175.6
37.5°	1966.4	1988.6	2032.9	2069.8	2082.1
40°	1868.0	1887.7	1934.4	1968.9	1978.7
42.5°	1769.5	1789.2	1836.0	1863.1	1872.9
45°	1666.2	1688.3	1727.7	1757.2	1764.6
47.5°	1562.8	1580.0	1617.0	1644.0	1653.9
50°	1457.0	1474.2	1511.1	1533.3	1538.2
52.5°	1351.2	1363.5	1397.9	1417.6	1425.0
55°	1245.3	1257.6	1284.7	1306.9	1304.4
57.5°	1144.4	1149.3	1176.4	1191.2	1191.2
60°	1031.2	1036.1	1058.3	1068.1	1070.6
62.5°	925.4	932.8	950.0	952.5	952.5
65°	822.0	824.5	834.3	839.2	839.2
67.5°	718.6	716.2	726.0	726.0	723.6
70°	610.4	615.3	617.7	612.8	610.4
72.5°	511.9	509.5	509.5	507.0	507.0
75°	415.9	411.0	413.5	403.6	401.2
77.5°	327.3	319.9	317.5	312.6	307.6
80°	236.3	236.3	233.8	228.9	226.4
82.5°	157.5	157.5	155.1	150.1	145.2
85°	88.6	88.6	86.1	78.8	76.3
87.5°	29.5	29.5	29.5	29.5	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)